

A Powder Technique for the Evaluation of Nonlinear Op

Journal of Applied Physics

39, 3798-3813

DOI: 10.1063/1.1656857

Citation Report

#	ARTICLE	IF	CITATIONS
32	New nonlinear optical materials. IEEE Journal of Quantum Electronics, 1968, 4, 578-584.	1.0	46
33	Relative measurement of the optical nonlinearities of KDP, ADP, LiNbO ₃ , and \pm -HIO ₃ . IEEE Journal of Quantum Electronics, 1968, 4, 970-972.	1.0	45
34	Optical Nonlinearities in LiIO ₃ . Journal of Applied Physics, 1969, 40, 5201-5206.	1.1	159
35	EPR Study of the Structure of CsPbCl ₃ . Journal of Applied Physics, 1969, 40, 5001-5005.	1.1	60
36	OPTICAL SECOND- AND THIRD-HARMONIC GENERATION IN CHOLESTERYL NONANOATE LIQUID CRYSTAL. Applied Physics Letters, 1969, 14, 306-308.	1.5	16
37	Crystal structure of Bi ₂ WO ₆ . Solid State Communications, 1969, 7, 1797-1801.	0.9	161
38	New Nonlinear Optical Materials: Metal Oxides with Nonbonded Electrons. Journal of Applied Physics, 1969, 40, 2860-2863.	1.1	113
39	OPTICAL SECOND-HARMONIC GENERATION IN CRYSTALS OF ORGANIC DYES. Applied Physics Letters, 1969, 15, 393-396.	1.5	41
40	Tunable optical parametric oscillators. Proceedings of the IEEE, 1969, 57, 2096-2113.	16.4	320
41	Higher order non linear effects in some organic compounds. Optics Communications, 1970, 2, 343-348.	1.0	3
42	Nonlinear optical materials. Materials Science and Engineering, 1970, 5, 235-250.	0.1	31
43	Statistical phenomena in nonlinear optics. Radiophysics and Quantum Electronics, 1970, 13, 619-648.	0.1	5
44	Optical harmonic generation and laser light frequency mixing processes in nonlinear media. Optical and Quantum Electronics, 1970, 2, 125-151.	1.5	19
45	Mercury-thiocyanate-complexes: Efficient phase-matchable optical shg in crystal class 10. Physics Letters, Section A: General, Atomic and Solid State Physics, 1970, 32, 539-540.	0.9	39
46	OPTICAL NONLINEAR SUSCEPTIBILITIES OF LITHIUM IODATE. Applied Physics Letters, 1970, 16, 298-299.	1.5	76
47	Piezoelectric and Photoelastic Properties of Lithium Iodate. Journal of the Acoustical Society of America, 1970, 47, 791-794.	0.5	48
48	OPTICAL MIXING IN CADMIUM TELLURIDE USING THE PULSED WATER VAPOR LASER. Applied Physics Letters, 1970, 16, 452-454.	1.5	7
49	Nonlinear optical properties of CdHg(SCN) ₄ and ZnHg(SCN) ₄ . Materials Research Bulletin, 1970, 5, 913-917.	2.7	54

#	ARTICLE	IF	CITATIONS
50	Maker Fringes: A Detailed Comparison of Theory and Experiment for Isotropic and Uniaxial Crystals. Journal of Applied Physics, 1970, 41, 1667-1681.	1.1	791
51	Optical properties of KNbO ₃ . Ferroelectrics, 1970, 1, 141-148.	0.3	79
52	Phase Transitions in CsPbCl ₃ . Journal of Applied Physics, 1971, 42, 5267-5272.	1.1	52
53	ANOMALOUSLY HIGH NONLINEAR OPTICAL EFFECTS IN α -NITROANILINE. Applied Physics Letters, 1971, 18, 456-458.	1.5	79
54	OPTICAL NONLINEAR SUSCEPTIBILITIES OF BERYLLIUM OXIDE. Applied Physics Letters, 1971, 18, 245-247.	1.5	35
55	Optical second-harmonic generation in isocyclic and heterocyclic organic compounds. IEEE Journal of Quantum Electronics, 1971, 7, 42-43.	1.0	81
56	Effect of molecular structure on optical second-harmonic generation from organic crystals. Journal of Physics B: Atomic and Molecular Physics, 1971, 4, 116-123.	1.6	42
57	Nonlinear Optical Properties of Hexagonal Silicon Carbide. Applied Physics Letters, 1971, 19, 53-56.	1.5	70
58	Structural and phase relationships among trivalent tungstates and molybdates. Journal of Solid State Chemistry, 1971, 3, 411-419.	1.4	124
59	Nonlinear Optical Properties of KNbO ₃ Single Crystals. Japanese Journal of Applied Physics, 1971, 10, 507-507.	0.8	22
60	Electrooptic and Piezoelectric Properties of La ₂ Ti ₂ O ₇ Single Crystal. Japanese Journal of Applied Physics, 1972, 11, 904-904.	0.8	60
61	Preparation of KNbO ₃ Single Crystal for Optical Applications. Japanese Journal of Applied Physics, 1972, 11, 163-169.	0.8	84
62	Refractive indices and electrooptic coefficients of the eulitities Bi ₄ Ge ₃ O ₁₂ and Bi ₄ Si ₃ O ₁₂ . Journal of Applied Physics, 1972, 43, 5110-5111.	1.1	72
63	Nonlinear Optical Properties of Ferroelectric Lead Titanate. Applied Physics Letters, 1972, 20, 135-137.	1.5	79
64	Optics at Bell Laboratories – Lasers in Science. Applied Optics, 1972, 11, 2435.	2.1	1
65	Crystal structure of Bi ₃ TiNbO ₉ . Ferroelectrics, 1972, 3, 1-7.	0.3	56
66	Nonlinear Optical Susceptibility of 5- α -Nitroouracil. Applied Physics Letters, 1972, 20, 21-23.	1.5	43
68	Ferroelastic effect in RbFeF ₄ and CsFeF ₄ . Materials Research Bulletin, 1972, 7, 715-720.	2.7	50

#	ARTICLE	IF	CITATIONS
69	Measurement of the refractive indices of lithium-sodium formate, $\text{HCOOLi}_0.9\text{Na}_0.1\text{H}_2\text{O}$ and sodium formate, HCOONa crystals. <i>Optical and Quantum Electronics</i> , 1973, 5, 551-555.	1.5	8
70	Phase synchronism in organic single crystals with nonlinear susceptibility. <i>Journal of Applied Spectroscopy</i> , 1973, 18, 120-121.	0.3	2
71	Definition of some parameters of ferroelectric crystals by the SHG method. <i>Physica Status Solidi A</i> , 1973, 20, K49-K52.	1.7	28
72	The crystal structure of triclinic $\hat{\Gamma}^2\text{-BiNbO}_4$. <i>Journal of Solid State Chemistry</i> , 1973, 8, 159-165.	1.4	80
73	Synchronism in molecular biaxial single crystals of methanitraaniline and anesthesin single crystals. <i>Radiophysics and Quantum Electronics</i> , 1973, 16, 270-274.	0.1	0
74	Domain structures in orthorhombic KNbO_3 and characterisation of single domain crystals. <i>European Physical Journal D</i> , 1973, 23, 91-99.	0.4	80
75	$\text{Bi}_5\text{PO}_{10}$ " A new bismuth phosphate. <i>Materials Research Bulletin</i> , 1973, 8, 1311-1315.	2.7	8
76	Crystal structure of $(\text{Sr}, \text{Ba})\text{Bi}_2\text{Ta}_2\text{O}_9$. <i>Materials Research Bulletin</i> , 1973, 8, 1183-1195.	2.7	168
77	New phase-matchable nonlinear optical crystals of the formate family. <i>IEEE Journal of Quantum Electronics</i> , 1973, 9, 701-702.	1.0	2
78	Tunable far-infrared generation by difference frequency mixing of dye lasers in reduced (black) lithium niobate. <i>IEEE Journal of Quantum Electronics</i> , 1973, 9, 701-701.	1.0	1
79	Nonlinear optical crystals and their applications. <i>Reports on Progress in Physics</i> , 1973, 36, 497-540.	8.1	32
80	Crystal structure, linear and nonlinear optical properties of $\text{Ca}(\text{IO}_3)_2 \cdot 6\text{H}_2\text{O}$. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1973, 29, 1067-1072.	0.4	26
81	N-Methyl dipropylacetamide. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1973, 29, 1149-1151.	0.4	7
82	Ferroelasticity in isopropyl ammonium chloroplatinate and chlorostannate. <i>Applied Physics Letters</i> , 1973, 23, 115-116.	1.5	3
83	Nonlinear Optical Property of Sodium Nitrite. I. Second Harmonic Generation at Room Temperature. <i>Journal of the Physical Society of Japan</i> , 1973, 34, 138-147.	0.7	23
84	New phase-matchable nonlinear optical crystals of the formate family. <i>IEEE Journal of Quantum Electronics</i> , 1974, 10, 247-252.	1.0	27
85	Nonlinear Optical Properties of KNbO_3 Single Crystal in the Orthorhombic Phase. <i>Japanese Journal of Applied Physics</i> , 1974, 13, 1362-1368.	0.8	140
86	The first electronic absorption system in polarized light of the highly nonlinear optical single crystal of P-nitrophenylhydrazine. <i>Chemical Physics Letters</i> , 1974, 28, 231-235.	1.2	2

#	ARTICLE	IF	CITATIONS
88	Optical and electronic properties of some nely rare earth-doped lead sodium apatites. Journal of Solid State Chemistry, 1974, 11, 345.	1.4	0
89	Nonstoichiometric phases in the Sn-Nb-O and Sn-Ta-O systems having pyrochlore-related structures. Journal of Solid State Chemistry, 1974, 11, 346.	1.4	0
90	Temperature effects on second harmonic generation in p-nitrophenylhydrazine. Optics Communications, 1974, 12, 14-16.	1.0	3
92	Pyroelectric Vidicon Target Materials. IEEE Transactions on Parts, Hybrids, and Packaging, 1974, 10, 208-221.	0.3	42
93	A survey of ABX ₃ halides for optical second harmonic generation. Materials Research Bulletin, 1975, 10, 753-759.	2.7	9
94	LiPbPO ₄ , a new lithium lead phosphate. Materials Research Bulletin, 1975, 10, 31-34.	2.7	10
96	Nonlinear optical phenomena in oxides and application to a tunable coherent spectrometer. Journal of Solid State Chemistry, 1975, 12, 156-171.	1.4	1
97	Theory of second-order optical susceptibilities of benzene substitutes. Optics Communications, 1975, 13, 164-168.	1.0	116
98	Ferroelectricity in Ti ₂ MoO ₄ and Ti ₂ WO ₄ . Journal of Chemical Physics, 1975, 62, 2826-2827.	1.2	11
99	Origin of the second-order optical susceptibilities of crystalline substituted benzene. Physical Review B, 1975, 12, 4534-4546.	1.1	183
100	Generalized study on angular dependence of induced second-order nonlinear optical polarizations and phase matching in biaxial crystals. Journal of Applied Physics, 1975, 46, 3992-3998.	1.1	104
101	Linear and nonlinear optical properties of lithium perchlorate trihydrate LiClO ₄ ·3H ₂ O. Applied Physics Letters, 1975, 26, 571-572.	1.5	9
102	Second and third order hyperpolarizabilities of organic molecules. Journal of Chemical Physics, 1975, 63, 2666-2682.	1.2	542
103	Second harmonic generation in organic crystals. Journal of Materials Science, 1976, 11, 2165-2169.	1.7	5
104	A second harmonic analyzer for the detection of non-centrosymmetry. Journal of Applied Crystallography, 1976, 9, 145-158.	1.9	270
105	Reliability of second-harmonic generation in crystalline powders at optical frequencies as a test of absence of centrosymmetry. Journal of Applied Crystallography, 1976, 9, 193-198.	1.9	15
106	A comprehensive study of disordered and ordered scheelite-related Bi ₃ (FeO ₄)(MoO ₄) ₂ . Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1976, 32, 1163-1170.	0.4	62
107	New compounds with icosahedral structures of the type Cd _{14-x} P ₄ S _{24-2x} I _{2x} . Materials Research Bulletin, 1976, 11, 1169-1177.	2.7	13

#	ARTICLE	IF	CITATIONS
108	Synthesis, characterization and optical properties of bismuth germanate doped with trivalent europium. <i>Materials Research Bulletin</i> , 1976, 11, 731-738.	2.7	18
109	Second harmonic generation in organic crystals. <i>Journal of Materials Science</i> , 1976, 11, 2165-2169.	1.7	13
110	Spectroscopic properties and stimulated emission in the $4F_{3/2} \rightarrow 4I_{11/2}$ and $4F_{3/2} \rightarrow 4I_{13/2}$ transitions of Nd^{3+} ions from cubic $Bi_4Ge_3O_{12}$ crystals. <i>Physica Status Solidi A</i> , 1976, 33, 737-753.	1.7	76
111	A simple technique to measure optical SHG in powder samples by means of electronic integration. <i>Physica Status Solidi A</i> , 1976, 37, 105-108.	1.7	1
113	Determination of the point group of \hat{I}^2 - Ga_2O_3 from morphology and physical properties. <i>Journal of Solid State Chemistry</i> , 1976, 16, 377-383.	1.4	24
114	The crystal structure of $M-LiTa_3O_8$ and its relationship to the mineral wodginite. <i>Journal of Solid State Chemistry</i> , 1976, 18, 1-7.	1.4	24
115	Solution growth and characterization of L(+) glutamic acid hydrochloride single crystals. <i>Journal of Crystal Growth</i> , 1976, 36, 267-272.	0.7	33
116	Phase transitions in $Cs(D_xH_{1-x})_2AsO_4$. <i>Ferroelectrics</i> , 1976, 14, 761-765.	0.3	18
117	I Theory of Optical Parametric Amplification and Oscillation. <i>Progress in Optics</i> , 1977, , 1-75.	0.4	8
118	Temperature dependence of second harmonic generation signal in $SrBi_2Ta_2O_9$ and $BaBi_4Ti_4O_{15}$. <i>Ferroelectrics</i> , 1977, 17, 405-407.	0.3	11
119	Hyperpolarizabilities of the nitroanilines and their relations to the excited state dipole moment. <i>Journal of Chemical Physics</i> , 1977, 66, 2664-2668.	1.2	2,099
120	An efficient organic crystal for nonlinear optics: methyl ϵ -(2,4-dinitrophenyl) α -aminopropanoate. <i>Journal of Applied Physics</i> , 1977, 48, 2699-2704.	1.1	220
121	Nonlinear optical susceptibilities of triphenylbenzene, resorcinol, and metanitroaniline. <i>Journal of Chemical Physics</i> , 1977, 66, 3803-3805.	1.2	44
122	Nonlinear optical properties of some m -disubstituted benzene derivatives. <i>Journal of Chemical Physics</i> , 1977, 66, 3806-3813.	1.2	119
123	Nonlinear light scattering on defects of crystalline structures. <i>Optics Communications</i> , 1977, 23, 128-130.	1.0	1
124	On the structure of \hat{I}^2 - Ga_2O_3 . <i>Journal of Solid State Chemistry</i> , 1977, 20, 209-210.	1.4	41
125	Phase-matched second harmonic generation in urea. <i>Physica Status Solidi A</i> , 1977, 42, K119-K121.	1.7	48
126	Preparation and electro-optic properties of 1-formyl 2(4-nitrophenyl) hydrazine. <i>Journal of Materials Science</i> , 1977, 12, 743-746.	1.7	1

#	ARTICLE	IF	CITATIONS
127	Optical second harmonic signals from clay minerals. <i>Physics and Chemistry of Minerals</i> , 1977, 1, 379-384.	0.3	5
128	New non-linear crystals in the A ₂ B ₂ O ₇ series. <i>Physica Status Solidi A</i> , 1978, 50, K13-K16.	1.7	18
129	Optical second harmonic generation in organic crystals: urea and ammonium-malate. <i>Journal of Molecular Structure</i> , 1978, 47, 393-396.	1.8	69
130	The growth and properties of crystalline rubidium and cesium niobates. <i>Journal of Crystal Growth</i> , 1978, 43, 115-119.	0.7	1
131	The description of the physical properties of condensed matter using irreducible tensors. <i>Advances in Physics</i> , 1978, 27, 609-650.	35.9	207
132	A comprehensive optical second harmonic generation study of the non-centrosymmetric character of biological structures. <i>Journal of Biological Physics</i> , 1978, 6, 105-117.	0.7	12
133	Second-harmonic generation (SHG) in metal-phosphorus sulphide halides having icosahedral structures. <i>Journal of Applied Crystallography</i> , 1978, 11, 152-153.	1.9	3
134	Evidence of non-cubic lattice distortions around vacant sites in CoGa ₂ phases. <i>Journal of Applied Crystallography</i> , 1978, 11, 153-155.	1.9	17
135	Magnetoferroelectricity in Cr ₂ BeO ₄ . <i>Journal of Applied Physics</i> , 1978, 49, 6088-6091.	1.1	81
136	Nonlinear Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 1978, 29, 421-440.	4.8	30
137	Methods for the Detection of Noncentrosymmetry in Solids. , 1978, , 269-342.		20
138	A Comprehensive Optical Second Harmonic Generation Study of the Non-Centrosymmetric Character of Biological Structures. <i>Molecular Crystals and Liquid Crystals</i> , 1979, 52, 271-284.	0.9	37
139	The electro-optic coefficients of urea. <i>Journal of Chemical Physics</i> , 1979, 71, 5063.	1.2	52
140	Near-infrared noncritically phase-matched second-harmonic generation in KNbO ₃ . <i>Applied Physics Letters</i> , 1979, 34, 650-652.	1.5	62
141	Nonlinear optical properties of urea. <i>Optics Communications</i> , 1979, 29, 243-246.	1.0	141
142	Mise en evidence d'une transition de phase au sein de la solution solide (0,33 x 0,50). <i>Solid State Communications</i> , 1979, 29, 815-819.	0.9	19
144	Ionic conductivity in sodium magnesium silicates. <i>Physics and Chemistry of Minerals</i> , 1979, 4, 139-148.	0.3	17
145	The structures of thallium cadmium triiodide and dirubidium iron tetraiodide. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1979, 35, 1425-1427.	0.4	43

#	ARTICLE	IF	CITATIONS
146	Etude cristallographique du di-o-thymotide C ₂₂ H ₂₄ O ₄ . Journal of Applied Crystallography, 1979, 12, 247-248.	1.9	3
147	An organic crystal with an exceptionally large optical second-harmonic coefficient: 2-methyl-4-nitroaniline. Journal of Applied Physics, 1979, 50, 2523-2527.	1.1	459
148	Origin of the nonlinear second-order optical susceptibilities of organic systems. Physical Review A, 1979, 20, 1179-1194.	1.0	395
149	Efficient phase-matched second-harmonic generation and sum-frequency mixing in urea. IEEE Journal of Quantum Electronics, 1979, 15, 1176-1180.	1.0	172
150	Second harmonic generation in collagen. Journal of Chemical Physics, 1979, 70, 1637-1643.	1.2	240

151

#	ARTICLE	IF	CITATIONS
164	Structural dependence of nonlinear-optical properties of methyl-(2,4-dinitrophenyl)-aminopropanoate crystals. <i>Physical Review A</i> , 1982, 26, 2016-2027.	1.0	263
165	Nonlinear optical properties of organic crystals with hydrogen-bonded molecular units: The case of urea. <i>Journal of Chemical Physics</i> , 1982, 77, 3635-3653.	1.2	159
166	New organic molecular materials for nonlinear optics. <i>Journal of Non-Crystalline Solids</i> , 1982, 47, 211-225.	1.5	96
167	Second harmonic generation and orientational order in connective tissue: a mosaic model for fibril orientational ordering in rat-tail tendon. <i>Journal of Applied Crystallography</i> , 1982, 15, 72-78.	1.9	28
168	Non-centrosymmetry tests for potassium feldspars: an application of the second-harmonic generator technique. <i>Journal of Applied Crystallography</i> , 1982, 15, 540-541.	1.9	2
169	Die Kristallstruktur des Bleisilicats $Pb_{11}Si_3O_{17}$. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1982, 38, 57-62.	0.4	19
170	Phase transitions in a $Cs_{2-x}K_1+xBiCl_6$ solid solution. <i>Journal of Solid State Chemistry</i> , 1982, 42, 130-135.	1.4	27
171	Nonlinear polariton effects in the phenanthrene crystal. <i>Chemical Physics</i> , 1982, 64, 83-93.	0.9	9
172	Influence of the molecular environment in solution measurements of the Second-order optical susceptibility for urea and derivatives. <i>Chemical Physics</i> , 1982, 73, 203-213.	0.9	281
173	Twyman's Green interferometry for semi-quantitative analysis of homogeneity and nonlinearity of a mixing crystal. <i>Journal of Applied Crystallography</i> , 1983, 16, 57-61.	1.9	1
174	Dielectric and thermal properties, expansion, and high-temperature plastic deformation of $Cd_4Na(VO_4)_3$. <i>Journal of Applied Crystallography</i> , 1983, 16, 133-135.	1.9	2
175	Reinvestigation of the structure of tetracadmium sodium orthovanadate, $Cd_4Na(VO_4)_3$. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1983, 39, 680-683.	0.4	7
176	New pulsed laser data-acquisition system. <i>Review of Scientific Instruments</i> , 1983, 54, 97-99.	0.6	2
177	Electrostrictive and electro-optic properties of urea. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1983, 163, 307-309.	0.4	4
178	Noncentric Layer Silicates: An Optical Second Harmonic Generation, Chemical, and X-ray Study. <i>Clays and Clay Minerals</i> , 1983, 31, 251-260.	0.6	16
180	Diameter controlled Czochralski growth of bismuth germanate single crystals. <i>Acta Physica Hungarica</i> , 1984, 55, 105-110.	0.1	7
181	Organic Polymeric and Non-Polymeric Materials with Large Optical Nonlinearities. <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 690-703.	4.4	940
182	Organische polymere und nichtpolymere Materialien mit guten nichtlinearen optischen Eigenschaften. <i>Angewandte Chemie</i> , 1984, 96, 637-651.	1.6	131

#	ARTICLE	IF	CITATIONS
183	Second harmonic generation in inclusion complexes. Journal of Inclusion Phenomena, 1984, 2, 885-890.	0.6	8
184	Evaluation of second-harmonic generation of various sugars in the powder form. IEEE Journal of Quantum Electronics, 1984, 20, 334-336.	1.0	24
185	Second harmonic generation in inclusion complexes. Journal of the Chemical Society Chemical Communications, 1984, , 1207.	2.0	39
186	A new ferroelectric phosphate family. Ferroelectrics, 1984, 56, 17-20.	0.3	45
187	Crystallographic aspects of the linear electro-optic effect. Zeitschrift Fur Kristallographie - Crystalline Materials, 1984, 166, .	0.4	21
188	Chirality and hydrogen bonding in molecular crystals for phase-matched second-harmonic generation: N-(4-nitrophenyl)-L-prolinol (NPP). Journal of Chemical Physics, 1984, 81, 4160-4167.	1.2	493
189	Polymeric materials for nonlinear optics.. Kobunshi, 1985, 34, 736-739.	0.0	0
190	Irreducible tensor analysis of sum- and difference-frequency generation in partially oriented samples. Chemical Physics, 1985, 96, 199-215.	0.9	92
191	Crystal growth of rhodanomercurates: AHg(SCN) ₄ with A = Cd ²⁺ , Zn ²⁺ , Cu ²⁺ , C ₂ O ₄ , and Fe ²⁺ from Gels. Crystal Research and Technology, 1985, 20, K100-K102.	0.6	1
192	X-ray induced luminescence, photoluminescence and thermoluminescence of Bi ₄ Ge ₃ O ₁₂ . Journal of Physics C: Solid State Physics, 1985, 18, 4777-4783.	1.5	49
193	Optical parametric interactions in 3-methyl-4-nitropyridine-1-oxide (POM) single crystals. IEEE Journal of Quantum Electronics, 1985, 21, 1286-1295.	1.0	44
194	Thermal characterization of KClO ₃ KBrO ₃ and KIO ₃ . Materials Letters, 1985, 4, 27-29.	1.3	8
195	Functionalization of elastomer. Functionalizations by use of liquid rubbers.. Nippon Gomu Kyokaiishi, 1986, 59, 320-330.	0.0	1
196	Growth of organic crystals in a microgravity environment. Journal of Crystal Growth, 1986, 76, 673-680.	0.7	18
197	Polymorphism and nonlinear optical activity in organic crystals. Journal of Crystal Growth, 1986, 79, 745-751.	0.7	73
198	Structure de la phase quadratique de PbTeO ₃ . Acta Crystallographica Section C: Crystal Structure Communications, 1986, 42, 1688-1690.	0.4	16
199	Te ₂ O ₅ : Crystal growth and optical properties. Materials Research Bulletin, 1986, 21, 421-428.	2.7	1
200	Organic - inorganic double halides for second harmonic generation. Materials Research Bulletin, 1986, 21, 1397-1399.	2.7	1

#	ARTICLE	IF	CITATIONS
201	Nonlinear Optical and Electro-optical Properties of Biopolymers. Springer Proceedings in Physics, 1987, , 110-130.	0.1	6
202	Measurement of the nonlinear susceptibility of various molecular crystals using the method of "frequency" interference fringes. Soviet Journal of Quantum Electronics, 1987, 17, 345-348.	0.1	7
203	Recrystallization solvent effects on second-order nonlinear optical organic materials. Applied Physics Letters, 1987, 50, 1855-1857.	1.5	28
204	Second Harmonic Generation by Polymer Composites. Materials Research Society Symposia Proceedings, 1987, 109, 357.	0.1	6
205	Organic SHG Powder Test Data. , 1987, , 221-254.		11
206	Design and Synthesis of Organic Molecular Compounds for Efficient Second-Harmonic Generation. , 1987, , 227-296.		70
207	Quadratic Nonlinear Optics and Optimization of the Second-Order Nonlinear Optical Response of Molecular Crystals. , 1987, , 23-191.		108
208	Growth and Characterization of Molecular Crystals. , 1987, , 297-356.		7
209	Properties and Applications of Urea. , 1987, , 385-404.		11
210	Nonlinear Optical Properties of Guest-Host Polymer Structures. , 1987, , 405-435.		49
211	Second-order nonlinear polarizability of various biphenyl derivatives. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 945.	0.9	57
212	Generation of high-peak-power tunable infrared femtosecond pulses in an organic crystal: application to time resolution of weak infrared signals. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 987.	0.9	116
213	Second-harmonic generation in aromatic organic compounds. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 1899.	0.9	96
214	Designing organic crystals. Progress in Solid State Chemistry, 1987, 17, 295-353.	3.9	18
215	Second-harmonic generation by composite materials. Journal of Materials Science Letters, 1987, 6, 167-170.	0.5	11
216	Equilibrium geometry and electrical polarizability of formic acid, formamide and their cyclic hydrogen-bonded paris. International Journal of Quantum Chemistry, 1987, 32, 85-103.	1.0	13
217	Growth and characterization of Bi ₄ Ge ₃ O ₁₂ single crystals. Progress in Crystal Growth and Characterization, 1987, 15, 145-186.	0.8	39
218	Optical second-harmonic generation as an orientational probe in poled polymers. Thin Solid Films, 1987, 152, 295-304.	0.8	36

#	ARTICLE	IF	CITATIONS
219	A New Intramolecular Charge Transfer Material for Nonlinear Optics: Piperonal Derivatives. Materials Research Society Symposia Proceedings, 1987, 109, 345.	0.1	7
220	Orthorhombic perovskite CaTiO ₃ and CdTiO ₃ : structure and space group. Acta Crystallographica Section C: Crystal Structure Communications, 1987, 43, 1668-1674.	0.4	184
221	Two-photon spectra of inductively perturbed naphthalenes. Chemical Physics Letters, 1988, 144, 158-164.	1.2	20
222	A new method of assessing the efficiency of second harmonic generation by small samples of organic crystals. Applied Physics B, Photophysics and Laser Chemistry, 1988, 47, 83-86.	1.5	11
223	Crystal chemistry of phosphates with the eulytine structure. Phase Transitions, 1988, 13, 211-218.	0.6	5
224	Highly Efficient Second Harmonic Generation in p-Nitroaniline/Poly(lactone) Systems. Japanese Journal of Applied Physics, 1988, 27, L1724-L1725.	0.8	22
225	Bi ₄ Ge ₃ O ₁₂ :Cr: a new photorefractive material. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 1737.	0.9	50
226	Tunable high-power urea optical parametric oscillator. IEEE Journal of Quantum Electronics, 1988, 24, 1201-1203.	1.0	18
227	A novel organic electro-optic crystal: 3-(1,1-dicyanoethenyl)-4-phenyl-4,5-dihydro-1H-pyrazole. Journal of Applied Physics, 1988, 64, 2583-2590.	1.1	59
228	A power-squared sensor for two-photon spectroscopy and dispersion of second-order coherence. Journal of Applied Physics, 1988, 64, 4301-4305.	1.1	16
229	Second Harmonic Generation in Crystals of Benzofurazan Derivatives. Japanese Journal of Applied Physics, 1988, 27, 2082-2084.	0.8	5
230	Influence of the Ring-Substitution on the Second Harmonic Generation of Chalcone Derivatives. Japanese Journal of Applied Physics, 1988, 27, L429-L430.	0.8	87
231	Luminescence of Mn-doped Bi ₄ Ge ₃ O ₁₂ . Journal of Physics C: Solid State Physics, 1988, 21, 1299-1305.	1.5	5
232	Molecular Engineering and the All-Optical Computer. Physica Scripta, 1988, T23, 275-280.	1.2	5
233	Organic, Organometallic and Polymeric Materials with Nonlinear Optical Properties. Materials Research Society Symposia Proceedings, 1989, 175, 101.	0.1	5
234	Linear and nonlinear optical properties of flux-grown KTiOAsO ₄ . Applied Physics Letters, 1989, 54, 783-785.	1.5	139
235	Temperature gradient transport growth of potassium tantalate niobate, KTa _{1-x} Nb _x O ₃ , single crystals. Ferroelectrics, 1989, 92, 89-97.	0.3	15
236	Design, Characterization, and Optical Properties of Phosphazene-Based Polymers. Materials Research Society Symposia Proceedings, 1989, 175, 95.	0.1	3

#	ARTICLE	IF	CITATIONS
237	A new nonlinear optical material-organometallic complex tri-allylthiourea cadmium chloride. Chinese Physics Letters, 1989, 6, 280-283.	1.3	28
238	Efficiency of Second Harmonic Generation from Amino Acids, Peptides, and Polypeptides Carrying Polarizable Aromatic Groups. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 170, 245-257.	0.3	4
239	Non-linear optical studies of ferroelectric composites. Ferroelectrics, 1989, 92, 11-14.	0.3	3
240	Optical second-harmonic generation from a series of [cyano(alkyloxycarbonyl)methylene]-2-ylidene-1,3-dithioles and their methyl and dimethyl derivatives. Chemical Physics Letters, 1989, 155, 338-340.	1.2	15
241	Second harmonic generation from organic nonlinear materials of N-alkyl-4-nitroaniline. Optics Communications, 1989, 69, 425-428.	1.0	13
242	Synthesis of Organic Salts with Large Second-Order Optical Nonlinearities. Science, 1989, 245, 626-628.	6.0	667
243	Pyroelectric and dielectric properties of hemimorphite, $Zn_2Si_2O_7(OH)_2 \cdot H_2O$. Materials Letters, 1989, 8, 179-181.	1.3	7
244	Optical absorption properties of potassium iodate single crystals. Ferroelectrics, 1989, 100, 213-221.	0.3	4
245	Nonlinear optical properties of 4-nitroaniline mercuric derivatives and 4-amino-4'-nitrodiphenyl sulfide (ANDS) analogues. Synthetic Metals, 1989, 28, D231-D236.	2.1	4
246	Direct Measurements Of Phase Matching Properties In Small Single Crystals Of New Nonlinear Materials. Optical Engineering, 1989, 28, .	0.5	23
247	Efficient Second Harmonic Generation in Hydrazone, Derivatives of Substituted Aromatic Aldehydes. Materials Research Society Symposia Proceedings, 1989, 173, 697.	0.1	0
248	Second harmonic generation and crystal growth of chalcone derivatives.. Kobunshi Ronbunshu, 1990, 47, 791-799.	0.2	3
249	Molecular nonlinear optical materials. Philosophical Transactions of the Royal Society A, 1990, 330, 127-140.	1.3	20
250	Structures of (methyl)phenylhydrazone derivatives and their nonlinear optical properties. Acta Crystallographica Section C: Crystal Structure Communications, 1990, 46, 414-417.	0.4	1
251	Crystal structure and nonlinear optical properties of $KSnOPO_4$ and their comparison with $KTiOPO_4$. Acta Crystallographica Section B: Structural Science, 1990, 46, 333-343.	1.8	104
253	New organic non-linear optical crystals of benzylidene-aniline derivative. Chemical Physics Letters, 1990, 166, 353-357.	1.2	51
254	Recent developments in the growth and nonlinear optical applications of $KNbO_3$ crystals. Progress in Crystal Growth and Characterization of Materials, 1990, 20, 161-174.	1.8	16
255	Organic second-order non-linear optical materials and devices. Optical and Quantum Electronics, 1990, 22, 297-318.	1.5	28

#	ARTICLE	IF	CITATIONS
256	Second-harmonic generation from non-dipolar non-centrosymmetric aromatic charge-transfer molecules. <i>Chemical Physics Letters</i> , 1990, 172, 440-444.	1.2	172
257	Nonlinear optical properties of triptycene derivatives. <i>Chemical Physics Letters</i> , 1990, 165, 41-44.	1.2	15
258	Two-photon excitation spectroscopy of thylakoid membranes from <i>Phaeodactylum tricornutum</i> : Evidence for an in vivo two-photon-allowed carotenoid state. <i>Chemical Physics Letters</i> , 1990, 170, 51-56.	1.2	57
259	Growth and characterization of nonlinear optical crystals suitable for frequency conversion. <i>Progress in Crystal Growth and Characterization of Materials</i> , 1990, 20, 9-57.	1.8	44
260	Progress in nonlinear optical materials for high power lasers. <i>Progress in Crystal Growth and Characterization of Materials</i> , 1990, 20, 59-113.	1.8	49
261	Second-order nonlinear optical properties and polymorphism of benzophenone derivatives. <i>Optics Communications</i> , 1990, 75, 451-453.	1.0	6
262	Large second harmonic generation from mixtures of para-nitroaniline and its N-alkyl derivatives. <i>Optics Communications</i> , 1990, 74, 421-424.	1.0	17
263	Third-order nonlinear optical properties of cyanine dyes and polymer films containing these dyes. <i>Optics Communications</i> , 1990, 76, 147-150.	1.0	28
264	Crystal growth of 4-Br-4'-methoxychalcone and its characterization. <i>Journal of Crystal Growth</i> , 1990, 100, 411-416.	0.7	50
265	Syntheses and reactivity of p-substituted benzonitrile complexes derived from dicyclopentadienyl-molybdenum and -tungsten. Oxidative electrochemistry. The crystal structure of [Mo(i-5-C5H5)2(SC6H5)(p-(CH3)2NC6H4CN)][PF6]. <i>Journal of Organometallic Chemistry</i> , 1990, 395, 279-292.	0.8	12
266	Second harmonic generation and crystal structure of alkylthio group substituted chalcones.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1990, 1990, 968-975.	0.1	1
267	An electron paramagnetic resonance study of Mn-doped Bi4Ge3O12. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 10123-10130.	0.7	11
268	Polymorphism and crystal-crystal transformations of the highly optically nonlinear organic compound $\{4\text{-}(\text{4-methoxyphenyl})\text{methylene}\}\text{-4-nitrobenzeneacetonitrile}$. <i>Applied Physics Letters</i> , 1990, 56, 307-309.	0.0	23
269	Second-harmonic generation of a new chalcone-type crystal. <i>Applied Physics Letters</i> , 1990, 57, 221-223.	1.5	19
270	The polarization-reversal and nonlinear properties of optoelectronic ceramics. <i>Ferroelectrics</i> , 1990, 109, 143-148.	0.3	5
271	Optical absorption properties of potassium iodate single crystals. <i>Ferroelectrics</i> , 1990, 101, 303-311.	0.3	4
272	Thermal hysteresis of optical second harmonic in paraelectric BaTiO3. <i>Materials Letters</i> , 1990, 9, 284-288.	1.3	18
273	Three coordinate phosphorus and boron as π -donor and π -acceptor moieties respectively, in conjugated organic molecules for nonlinear optics: crystal and molecular structures of E-Ph-CH=CH-B(mes)2, E-4-MeO-C6H4-CH=CH-B(mes)2, and E-Ph2P=CH=CH-B(mes)2 [mes = 2,4,6-Me3C6H2]. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, 1489-1492.	2.0	183

#	ARTICLE	IF	CITATIONS
274	What Is Materials Chemistry?. ACS Symposium Series, 1991, , 410-433.	0.5	3
275	Second-harmonic generation properties of some co-ordination compounds based on pentanedionato ligands. Journal of Materials Chemistry, 1991, 1, 583.	6.7	7
276	Second-harmonic generation from mixed crystals of p-nitroaniline with substituted benzenes studied by the powder method. Journal of Materials Chemistry, 1991, 1, 591.	6.7	6
277	SHG-Active Polymorphism of p-Nitroaniline Mixed with Its N-Alkyl Derivatives. Japanese Journal of Applied Physics, 1991, 30, 296-300.	0.8	9
278	Preparation and second-harmonic generation properties of tris(pyrocatecholato)stannate(IV) compounds. Journal of Materials Chemistry, 1991, 1, 775.	6.7	14
279	Relationship between second-harmonic generation and electric-field-induced second-harmonic generation. Physical Review A, 1991, 43, 507-514.	1.0	22
280	Nonlinear Optical Materials. Science, 1991, 253, 281-287.	6.0	754
281	Sol-Gel Derived Barium Sodium Niobate and Bismuth Titanate Films. Materials Research Society Symposia Proceedings, 1991, 243, 303.	0.1	5
282	Synthesis, Characterization, and Optical Properties of Inorganic Polymer Films. Materials Research Society Symposia Proceedings, 1991, 244, 269.	0.1	2
283	Growth of bulk single crystals of organic materials for nonlinear optical devices: An overview. Progress in Crystal Growth and Characterization of Materials, 1991, 22, 19-51.	1.8	85
284	Nonlinear optical properties of asymmetric polyphenyls: Efficiency versus transparency trade-off. Chemical Physics, 1991, 150, 117-123.	0.9	67
285	Synthesis and nonlinear optical properties of some substituted ruthenium(II) η^5 -cyclopentadienyl η^6 - or η^6 -arene salts. Journal of Organometallic Chemistry, 1991, 403, 365-372.	0.8	24
286	Second harmonic generation and crystal growth of substituted thienyl chalcone. Journal of Crystal Growth, 1991, 108, 688-698.	0.7	190
287	Growth perfection and properties of organic non-linear materials. Acta Crystallographica Section A: Foundations and Advances, 1991, 47, 145-155.	0.3	47
288	Enzymatic preparation of organometallic compounds with second-order Optical nonlinearities. Biotechnology and Bioengineering, 1991, 38, 1218-1222.	1.7	14
289	Organometallic materials for nonlinear optics. Applied Organometallic Chemistry, 1991, 5, 349-377.	1.7	333
290	Approaches to understanding structure-property relationships in nonlinear optical materials. Journal of Crystal Growth, 1991, 109, 353-360.	0.7	11
291	Second-harmonic generation in derivatives and analogs of benzophenone and chalcone. Applied Physics B, Photophysics and Laser Chemistry, 1991, 53, 275-278.	1.5	27

#	ARTICLE	IF	CITATIONS
292	Large Second-Order Optical Nonlinearity of New Organic Materials of Bis(benzylidene)cycloalkanone Derivatives. Japanese Journal of Applied Physics, 1991, 30, L1496-L1497.	0.8	1
293	A Potential Diode Laser Second Harmonic Generation Organic Crystal—MHBA. Chinese Physics Letters, 1991, 8, 271-273.	1.3	4
294	Perovskite-type ferroelectrics: part II. , 1991, , 163-215.		4
295	Static and dynamic properties of optical second harmonic generation in ferroelectric liquid crystal. Ferroelectrics, 1991, 121, 259-274.	0.3	32
296	Linear and Nonlinear Optical Properties of 2-Cyano-3-(2-Methoxyphenyl)-2-Propenoic Acid Methyl Ester. Japanese Journal of Applied Physics, 1992, 31, 1802-1806.	0.8	7
297	The low-energy, charge-transfer excited states of 4-amino-4'-nitrodiphenyl sulfide. Journal of Chemical Physics, 1992, 97, 4018-4028.	1.2	5
298	New Organic Material of Bis(benzylidene)cycloalkanone Derivatives for Efficient Optical Second-Harmonic Generation. Japanese Journal of Applied Physics, 1992, 31, 254-258.	0.8	23
299	Properties of the Optically Nonlinear Organic Material Densely Doped in Matrices. Molecular Crystals and Liquid Crystals, 1992, 217, 31-36.	0.3	2
300	Special Articles on Organic and Inorganic Optical Materials. Electro-optic Effects of Poled Polymer Films Doped with Mixed Organic Materials p-Nitroaniline and p-Dicyanobenzene.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 1242-1246.	0.1	0
301	New molecular design approach for noncentrosymmetric crystal structures: Lambda (λ)-shaped molecules for frequency doubling. Applied Physics Letters, 1992, 60, 935-937.	1.5	57
302	New materials and their characterization for photonic device applications. Optical Engineering, 1992, 31, 1676.	0.5	91
303	Micro- and macro-scopic second-order non-linear optical properties of fulvene compounds. Journal of Materials Chemistry, 1992, 2, 1097.	6.7	18
304	Novel organic molecular second harmonic generation crystal: 3-methoxy-4-hydroxybenzaldehyde. Applied Physics Letters, 1992, 60, 1415-1417.	1.5	49
305	Second-harmonic generation from 2-arylideneindan-1,3-diones studied by the powder method. Journal of Materials Chemistry, 1992, 2, 507.	6.7	5
306	Nonlinear Optical Properties of Carbohydrazono-Pyrazole Derivatives with Excellent Transparency. Japanese Journal of Applied Physics, 1992, 31, L1068-L1070.	0.8	5
307	Second harmonic generation from PbTiO ₃ -based ferroelectric thin films. Journal of Non-Crystalline Solids, 1992, 147-148, 799-802.	1.5	6
308	New method of measuring second harmonic generation efficiency using powder crystals. Applied Physics Letters, 1992, 60, 1933-1935.	1.5	34
309	4-N-Methylstilbazolium toluene-p-sulfonate salts with large second-order optical non-linearities. Journal of Materials Chemistry, 1992, 2, 985.	6.7	36

#	ARTICLE	IF	CITATIONS
310	Organic salts of L-tartaric acid: materials for second harmonic generation with a crystal structure governed by an anionic hydrogen-bonded network. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 553-555.	2.0	88
311	Isomorphous substitution in non-linear optical KTiOPO ₄ : neutron powder diffraction study of KTiO(P _{0.5} As _{0.5})O ₄ . <i>Journal of Materials Chemistry</i> , 1992, 2, 383.	6.7	7
312	Guest-Host Molecular Ensembles for Nonlinear Optics. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 211, 125-133.	0.3	2
313	Accurate calculation of the optimum phase-matching parameters in three-wave interactions with biaxial nonlinear-optical crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 891.	0.9	50
314	Second-harmonic generation in the crystalline complex antimony triiodide-sulfur. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 1819.	0.9	29
315	5-BENZYLIDENEOXAZOLIDINE-2, 4-DIONES AS NEW ORGANIC NLO COMPOUNDS. , 1992, , 243-248.		0
316	Second Harmonic Generation in Chalcone Derivatives. , 1992, , 225-230.		13
317	Second-order non-linear optical properties of diironalkenylidyne complexes; crystal structure of $\{(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}_2(\text{CO})_2(\eta^1\text{-CO})(\eta^1\text{-E})\text{-C}_6\text{H}_4\text{-CH}_2\text{-C}_6\text{H}_4\text{-}(p\text{-NMe}_2)\}^+\text{BF}_4^-$. <i>Polyhedron</i> , 1992, 11, 1429-1435.	1.0	41
318	The synthesis of ferrocenyl compounds with second-order optical non-linearities. <i>Polyhedron</i> , 1992, 11, 1489-1499.	1.0	60
319	Formation of alkoxy-derived Bi ₄ Ge ₃ O ₁₂ . <i>Journal of Materials Science Letters</i> , 1992, 11, 802-804.	0.5	1
320	Ferroelectric liquid crystals from achiral molecules. <i>Nature</i> , 1992, 359, 621-623.	13.7	165
321	Enhancement of the second-order hyperpolarizability of a stilbene dye by molecular interactions. <i>Thin Solid Films</i> , 1992, 217, 161-166.	0.8	8
322	Molecular rearrangement in heat-treated Langmuir-Blodgett films of mixtures of N-acyl-p-nitroaniline and fatty acid monitored by second-harmonic generation. <i>Thin Solid Films</i> , 1992, 208, 62-66.	0.8	4
323	Second harmonic generation in some donor-acceptor ethylenes. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 1647-1656.	0.1	5
324	The noncentrosymmetric orthoborate BaZn ₂ (BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 1992, 100, 325-330.	1.4	44
325	Growth and characterization of methyl p-hydroxybenzoate (p-MHB). <i>Journal of Crystal Growth</i> , 1992, 121, 516-518.	0.7	9
326	Measurement of quadratic hyperpolarizabilities of unsymmetrical donor-acceptor bi- and polyaryls: effect of size and torsion angle of aryl units. <i>Chemical Physics</i> , 1992, 160, 467-475.	0.9	20
327	Molecular hyperpolarizabilities of new bimetallic ferrocenyl derivatives. <i>Chemical Physics</i> , 1992, 167, 369-375.	0.9	32

#	ARTICLE	IF	CITATIONS
328	Structure of 4'-methoxychalcone. Acta Crystallographica Section C: Crystal Structure Communications, 1992, 48, 751-752.	0.4	0
329	Structure-Property Investigation of TAMP, TAMS, and TAMM Crystals. Crystal Research and Technology, 1992, 27, 79-81.	0.6	1
330	Quasi-perfect polar alignment of nonlinear chromophores in a crystalline H-bonded guest-host structure: 2-Amino-5-nitropyridinium-L-monohydrogentartrate. Advanced Materials, 1993, 5, 120-124.	11.1	73
331	Novel colorless composite materials for nonlinear optics. Advanced Materials, 1993, 5, 364-367.	11.1	4
332	Materials science of organic compounds. Thermochimica Acta, 1993, 226, 311-316.	1.2	7
333	New organic nonlinear optical crystals of indole-3-aldehyde. Journal of Crystal Growth, 1993, 130, 444-446.	0.7	9
334	Synthesis and second-order nonlinear optical properties of three coordinate organoboranes with diphenylphosphino and ferrocenyl groups as electron donors: crystal and molecular structures of		

#	ARTICLE	IF	CITATIONS
346	Crystal growth, and characterization of a new organic nonlinear-optical material: l-N-(5-nitro-2-pyridyl)leucinol. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 1372.	0.9	22
347	Inorganic Crystals for Nonlinear Optical Frequency Conversion. <i>Annual Review of Materials Research</i> , 1993, 23, 321-379.	5.5	117
348	Binary salts of substituted pyridines and L-tartaric acid as nonlinear optical organic materials: crystal structure of L-tartaric acid-4-dimethylaminopyridine (1:1) dihydrate salt. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 2419-2422.	0.9	34
349	Synthesis, characterization and crystal structure of 2-dicyanomethylene-1,3-bis(ferrocenylmethyl)-1,3-diazolidine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 1999-2003.	1.1	21
350	Second-harmonic generation from mixed crystals of p-nitroaniline. <i>Journal of Materials Chemistry</i> , 1993, 3, 1045.	6.7	7
351	Studies on π -acceptor molecules containing the dicyanomethylene group. X-Ray crystal structure of the charge-transfer complex of tetramethyltetrafulvalene and 2,3-dicyano-1,4-naphthoquinone: (TMTTF) $_3$ (DCNQ) $_2$. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 313-319.	0.9	14
352	Synthesis and non-linear optical properties of substituted styrylpyridinium $^{+}$ MPS $_3$ intercalation compounds (M = Mn, Cd). <i>Journal of Materials Chemistry</i> , 1993, 3, 499-503.	6.7	32
353	Crystal engineering: hydrogen-bonded salts of hydroxybenzoic acids for second harmonic generation. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 152-156.	2.0	33
354	Structural evidence in 2-amino-5-nitropyridinium halides (Cl $^{-}$, Br $^{-}$) of herringbone motifs favourable to efficient quadratic non-linear optical properties. <i>Journal of Materials Chemistry</i> , 1993, 3, 999-1003.	6.7	41
355	Anchorage of 4-nitropyridine N-oxide, an optically non-linear entity, onto CdCl $_2$ and CdI $_2$ host matrices. <i>Journal of Materials Chemistry</i> , 1993, 3, 333-338.	6.7	17
356	The linear and nonlinear optical properties of the organic nonlinear material 4-nitro-4-methylbenzylidene aniline. <i>Journal of Applied Physics</i> , 1993, 73, 1591-1597.	1.1	38
357	A New Measurement of Second-Harmonic Generation Efficiency. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 227, 133-142.	0.3	5
358	Synthesis, crystal structure and non-linear optical properties of 2-amino-5-nitropyridine-L-(+)-tartrate, a new second-harmonic generation crystal. <i>Journal of Materials Chemistry</i> , 1993, 3, 1053.	6.7	33
359	The Linear Optical Properties of the Organic Molecular Crystal (+)2-(1-Methylbenzylamino)-5-Nitropyridine (MBA-NP). <i>Molecular Crystals and Liquid Crystals</i> , 1993, 231, 223-229.	0.3	16
360	Linear and Nonlinear Optical Properties of New Organic Materials. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 224, 45-52.	0.3	8
361	Noncrystalline Condensation of Densely Dissolved Optically Nonlinear Organic Compound in Polymer Matrices. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 1722-1729.	0.8	4
362	Assessment of optically nonlinear organic crystals. <i>Journal Physics D: Applied Physics</i> , 1993, 26, B208-B216.	1.3	21
363	Synthesis of polyphilic compounds Evidence for ferroelectricity in a non-chiral mesophase. <i>Liquid Crystals</i> , 1993, 14, 405-414.	0.9	48

#	ARTICLE	IF	CITATIONS
364	Measurement of second-harmonic generation from colored powders. Applied Physics Letters, 1993, 63, 2165-2167.	1.5	9
365	Second harmonic generation in ferroelectric liquid crystals and their mixtures. Liquid Crystals, 1993, 14, 1021-1032.	0.9	16
366	An electron paramagnetic resonance study of Er ³⁺ in Bi ₄ Ge ₃ O ₁₂ single crystals. Journal of Chemical Physics, 1993, 99, 4952-4959.	1.2	39
367	Principles and Applications of Nonlinear Optical Materials. , 1993, , .		128
368	<title>KNB (KNb ₂ O ₆) and its isomorphs: a new family of nonlinear optical materials</title>. , 1993, 1863, 54.		3
369	Preparation and Optical Properties of Transparent TeO ₂ -Based Glasses Containing BaTiO ₃ Crystals. Journal of the Ceramic Society of Japan, 1993, 101, 48-52.	1.3	30
370	Second-Order Optical Nonlinearities of Substituted Stilbenes and the Related Compounds Containing a Trifluoromethyl as the Electron-Withdrawing Group. Bulletin of the Chemical Society of Japan, 1993, 66, 687-691.	2.0	6
371	New Second-Order Nonlinear Optical Materials with a Cutoff Wavelength of 350 nm. 3-Benzylidene-D-camphor Derivatives. Chemistry Letters, 1993, 22, 921-924.	0.7	6
372	Chirality and Nonlinear Optical Properties of the Derivatives of .ALPHA.-Cyano Cinnamates.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 967-972.	0.1	0
373	Nonlinear Optical Properties Of Substituted Stilbazolium-MPS ₃ Intercalation Compounds. Materials Research Society Symposia Proceedings, 1993, 328, 613.	0.1	1
374	Novel Molecular Design for Enhanced Second-Order Nonlinear Optical Response with Wide Transparency: Cyanovinyl Aromatics. Molecular Crystals and Liquid Crystals, 1994, 255, 113-120.	0.3	13
375	The Nonlinear Optical Characteristic of $\hat{\pm}$ -cyano-(3-methoxy-4-hydroxy-5-bromo)methylcinnamate (CMHB). Japanese Journal of Applied Physics, 1994, 33, L1189-L1191.	0.8	0
376	Structural Properties of Some Cyanoethenes with Optical Nonlinearity. Japanese Journal of Applied Physics, 1994, 33, 5755-5758.	0.8	10
377	Linear and Nonlinear Optical Properties of Molecule and Crystal of N-(2,4-Dinitrophenyl)-1-Chloro-3-Phenyl-2-Propanamine. Japanese Journal of Applied Physics, 1994, 33, 6185-6189.	0.8	5
378	Optical Second-Harmonic Generation of Tetrazole Derivatives. Japanese Journal of Applied Physics, 1994, 33, 169-170.	0.8	2
379	Simultaneous generation of sum, difference, and harmonics of two laser frequencies by spread spectrum phase matching. Applied Physics Letters, 1994, 65, 679-681.	1.5	8
380	Experimental study of second harmonic generation by dipolar configurations in pure and Li-doped KTaO ₃ and its variation under electric field. Journal of Physics and Chemistry of Solids, 1994, 55, 853-869.	1.9	41
381	X-ray diffraction and second harmonic generation studies on KTiOPO ₄ . Solid State Communications, 1994, 91, 757-759.	0.9	1

#	ARTICLE	IF	CITATIONS
382	Size driven phase transition in nanocrystalline BaTiO ₃ . Solid State Communications, 1994, 91, 883-887.	0.9	160
383	Single crystal growth and characterization of a new organic nonlinear optical material: 8-(4'-acetylphenyl)-1,4-dioxo-8-azaspiro[4.5]decane (APDA). Journal of Crystal Growth, 1994, 139, 309-318.	0.7	23
384	Growth and characterization of a new organic nonlinear optical crystal: 1-(3-thienyl)-3-(4-chlorophenyl)-propene-1-one. Journal of Crystal Growth, 1994, 141, 389-392.	0.7	2
385	Growth behavior of L-pyrrolidone-2-carboxylic acid (L-PCA) single crystals. Journal of Crystal Growth, 1994, 141, 425-436.	0.7	5
386	Synthesis and characterization of $\hat{1}$ -5-monocyclopentadienyl (p-nitrobenzonitrile)ruthenium(II) salts: Second harmonic generation powder efficiencies. Journal of Organometallic Chemistry, 1994, 475, 241-245.	0.8	38
387	Organometallic materials for non-linear optics. Second harmonic generation by (aryldiazovinylidene) ruthenium complexes; X-ray structure of [Ru(Ci \rightarrow CPhN \rightarrow NC ₆ H ₄ OMe-4)(PPh ₃) ₂ ($\hat{1}$ -C ₅ H ₅)] [BF ₄] \hat{A} -CH ₂ Cl ₂ . Journal of Organometallic Chemistry, 1994, 471, 193-199.	0.8	27
388	Structure of 4-chlorochalcone. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 126-127.	0.4	3
389	RbTi ₂ (PO ₄) ₃ . Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 1525-1527.	0.4	18
390	Rb ₃ Ti ₂ (TiO)(PO ₄) ₃ P ₂ O ₇ : A new non-centrosymmetric titanyl phosphate. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 1523-1525.	0.4	7
391	Technique for evaluating second-order nonlinear optical materials in powder form. Journal of Applied Physics, 1994, 75, 4332-4339.	1.1	37
392	Stilbazolium-MPS ₃ Nanocomposites with Large Second-Order Optical Nonlinearity and Permanent Magnetization. Science, 1994, 263, 658-660.	6.0	296
393	Second harmonic generation in transparent barium borate glass-ceramics. Journal of Non-Crystalline Solids, 1994, 167, 247-254.	1.5	84
394	Inorganic materials for anomalous-dispersion phase-matched second-harmonic generation: rubidium titanyl arsenate isomorphs, Rb[Ti $\hat{1}$ ^{2x} Ln _x Nb _x]OAsO ₄ . Journal of Non-Crystalline Solids, 1994, 178, 120-128.	1.5	6
395	Polar configurations in pure and Li-doped KTaO ₃ studied by second harmonic generation and its variation under electric field. Ferroelectrics, 1994, 157, 239-244.	0.3	10
396	Optimization of Materials for Second-Order Nonlinear Optical Applications. Advances in Chemistry Series, 1994, , 179-222.	0.6	1
397	Synthesis and second-harmonic generation properties of 2-(4-nitroanilino)-1,3,5-triazine derivatives. Journal of Materials Chemistry, 1994, 4, 1571.	6.7	6
398	Crystal structures, magnetic and non-linear optical properties of methoxyphenyl nitronyl \hat{e} nitroxide radicals. Journal of Materials Chemistry, 1994, 4, 1047-1053.	6.7	21
399	Second harmonic in reflection in material science of ferroelectrics. , 0, , .		11

#	ARTICLE	IF	CITATIONS
400	Non-linear optical materials containing molybdenum or tungsten mononitrosyl redox centres: diaromatic azo derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3427.	1.1	36
401	2-Amino-5-nitropyridinium acetophosphonate: a deliberately engineered non-linear optical crystal. <i>Journal of Materials Chemistry</i> , 1994, 4, 1851-1854.	6.7	26
402	Phase transition and shg effect of ferroelectric nano-powders. <i>Ferroelectrics</i> , 1994, 156, 153-158.	0.3	0
403	Second-Harmonic Generation from Single and Mixed Crystals of p-Nitroaniline and Its Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 1479-1482.	2.0	1
404	2-(1-Pyrrolyl, Diazolyl, and Triazolyl)-Substituted 5-Nitropyridines for Nonlinear Optical Materials. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 1936-1940.	2.0	5
405	Optical properties of PMACB and PMABB crystals. <i>Ferroelectrics</i> , 1994, 152, 367-372.	0.3	4
406	Theoretical Evaluation of Hyperpolarizability of L-2-Pyrrolidone-5-carboxylic Acid (L-PCA). <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 2215-2224.	2.0	0
407	Substituent Effects on Absorption Maxima of N-(4-Substituted Phenyl)pyrrole, -diazole, -triazole Derivatives and Their Second-order Nonlinear Optical Properties.. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , 1995, 1995, 394-401.	0.1	0
408	1,3-Di(2-thienyl)propen-1-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1995, 51, 681-683.	0.4	3
409	3-(4-Methylphenyl)-1-(3-thienyl)-2-propen-1-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1995, 51, 989-991.	0.4	1
410	3-(4-Bromophenyl)-1-(3-thienyl)-2-propen-1-one (BTC). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1995, 51, 1167-1168.	0.4	2
411	The Influence of Hydrogen Bonding on the Structure of 1-Methylimidazolium D-Tartrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1995, 51, 1680-1683.	0.4	5
412	Metallorganische Verbindungen für die nichtlineare Optik – ein Hoffungsstreif am Horizont. <i>Angewandte Chemie</i> , 1995, 107, 37-56.	1.6	156
413	Organometallic Compounds for Nonlinear Optics – The Search for Enlightenment!. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 21-38.	4.4	1,228
414	Substituted imidazolium phenylphosphonate salts for nonlinear optical applications. <i>Journal of Chemical Crystallography</i> , 1995, 25, 129-136.	0.5	10
415	Subsolidus Phase Equilibria of the CaO-B ₂ O ₃ -BaO System. <i>Journal of the American Ceramic Society</i> , 1995, 78, 765-768.	1.9	2
416	Pentamethylcyclopentadienyl ruthenium complexes as potential optically non-linear materials. <i>Polyhedron</i> , 1995, 14, 1765-1770.	1.0	8
417	Novel nonlinear optical crystal of methyl-p-hydroxy benzoate. <i>Journal of Crystal Growth</i> , 1995, 153, 60-62.	0.7	15

#	ARTICLE	IF	CITATIONS
418	New organic nonlinear optical crystals of 1-(3-thienyl)-3-(4-bromophenyl)-propene-1-one. Journal of Crystal Growth, 1995, 154, 415-417.	0.7	0
419	A high resolution powder neutron diffraction study of the novel layered oxide BiMo ₂ O ₇ O D Å· 2D ₂ O. Journal of Physics and Chemistry of Solids, 1995, 56, 1339-1343.	1.9	1
420	Synthesis of donor-acceptor substituted quinonemethide imines for nonlinear optical materials. Dyes and Pigments, 1995, 27, 9-15.	2.0	1
421	CsLiB ₆ O ₁₀ : A noncentrosymmetric polyborate. Materials Research Bulletin, 1995, 30, 209-215.	2.7	170
422	Second Harmonic Generation in Bis Typed Organic Compounds. Optical Review, 1995, 2, 334-338.	1.2	0
423	Crystal structure of 1-ethyl-2,6-dimethyl-4(1 H)-pyridinone, trihydrate: a potential nonlinear optical crystalline organic material transparent till the near ultraviolet range. Zeitschrift Fur Kristallographie - Crystalline Materials, 1995, 210, 856-860.	0.4	43
424	Size driven phase transition and thermodynamic properties of nanocrystalline batio ₃ . Ferroelectrics, 1995, 173, 351-369.	0.3	35
425	Structural study on chalcone derivatives. Synthetic Metals, 1995, 71, 1705-1706.	2.1	15
426	Quadratic non-linear optical properties of some donor-acceptor substituted thiophenes. Journal of the Chemical Society Perkin Transactions II, 1995, , 171-176.	0.9	30
427	Charge transport through polymer thin films for second order nonlinear optics. , 0, , .		0
428	Novel amino acid crystals for phase-matched second-harmonic generation: L-pyrrolidone-2-carboxylic acid. Journal of Applied Physics, 1995, 78, 709-717.	1.1	13
429	Polymorphic characterization and structural comparisons of the non-linear optically active and inactive forms of two polymorphs of 1,3-bis(m-nitrophenyl)urea. Journal of Materials Chemistry, 1995, 5, 379.	6.7	41
430	Salt-based approach for frequency conversion materials. Journal of Optics, 1996, 5, 667-680.	0.5	40
431	From Intercalation to Aggregation: A Nonlinear Optical Properties of Stilbazolium Chromophores in MPS ₃ Layered Hybrid Materials. Chemistry of Materials, 1996, 8, 2153-2158.	3.2	90
432	Systematic Crystallographic Investigation of Hydrogen-Bonded Networks Involving Monohydrogen Tartrate-Amine Complexes: A Potential Materials for Nonlinear Optics -. Chemistry of Materials, 1996, 8, 2313-2323.	3.2	18
433	Crystal Engineering of Noncentrosymmetric Structures Based on 2-Amino-5-nitropyridine and n-Chloroacetic Acid Assemblies. Chemistry of Materials, 1996, 8, 68-75.	3.2	63
434	The Ionic Auxiliary Concept in Solid State Organic Photochemistry. Accounts of Chemical Research, 1996, 29, 203-209.	7.6	177
435	Hydridotris(3,5-dimethylpyrazolyl)borate Tungsten Alkyne Complexes for Nonlinear Optics. Chemistry of Materials, 1996, 8, 93-99.	3.2	9

#	ARTICLE	IF	CITATIONS
436	A Novel Optical Complex between an Organic Substrate and a Polyoxometalate. Crystal and Molecular Structure of $\text{H}_4\text{SiW}_{12}\text{O}_{40}\cdot 4\text{HMPAA}\cdot 2\text{H}_2\text{O}$ (HMPA = Hexamethylphosphoramide). <i>Inorganic Chemistry</i> , 1996, 35, 4211-4217.	1.9	135
437	Optical and structural characterization of triallyl thiourea cadmium chloride (ATCC). <i>Applied Optics</i> , 1996, 35, 903.	2.1	10
438	Exceptionally long crystal formation from 4-(3-bromopropoxy)salicylaldehyde. X-Ray crystallographic investigation. <i>Chemical Communications</i> , 1996, , 2725.	2.2	6
439	Linear and nonlinear optical properties of a new organic crystal, N-(4-aminobenzenesulfonyl)acetamide. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 837.	0.9	11
440	Grain-size effect on structure and phase transformations for barium titanate. <i>Physical Review B</i> , 1996, 54, 3158-3168.	1.1	819
441	Recent progress of organic nonlinear optics in Japan. <i>Synthetic Metals</i> , 1996, 81, 99-115.	2.1	17
442	New Crystal Form of an Organic Nonlinear Optical Material, 8-(4- Acetylphenyl)-1,4-dioxo-8-azaspiro[4.5]decane (APDA). <i>Chemistry of Materials</i> , 1996, 8, 2622-2627.	3.2	10
443	Composition Space of the $(\text{CuO}, 1/2\text{Nb}_2\text{O}_5)/(\text{HF})_x\text{-pyridine}/\text{H}_2\text{O}$ System. Structure and Synthesis of $[\text{pyH}^+]_2[\text{CuNb}_2(\text{py})_4\text{O}_2\text{F}_{10}]_2$ -and $\text{CuNb}(\text{py})_4\text{O}_5$. <i>Inorganic Chemistry</i> , 1996, 35, 1367-1371.	1.9	85
444	Synthesis, polymorphic characterization and structural comparisons of the non-linear optically active and inactive forms of polymorphs of 3-(nitroanilino)cycloalk-2-en-1-ones. <i>Journal of Materials Chemistry</i> , 1996, 6, 123.	6.7	9
445	Synthesis and characterisation of some donor-acceptor substituted butadienes for second harmonic generation. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 731-736.	0.9	11
446	Strong optical second-harmonic generation in a chiral diaminodicyanoquinodimethane system. <i>Journal of Materials Chemistry</i> , 1996, 6, 1119.	6.7	15
447	Non-linear optical response of rutile-related oxides, LiM V M VI O_6 , and their derivatives obtained by ion-exchange and intercalation. <i>Chemical Communications</i> , 1996, , 289.	2.2	13
448	A new synthesis of 1-phenylthio- and 1-alkylamino-4-nitrobuta-1,3-dienes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 1905.	0.9	10
449	Solvate-switchable powder second harmonic generation in a push-pull quinonoid system. <i>Journal of Materials Chemistry</i> , 1996, 6, 1853-1855.	6.7	15
450	Investigation of Second Harmonic Generation in Glutamic Acid-Metal Complexes. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 655.	0.1	1
451	Molecular Design and Crystal Engineering of a New Series of Inorganic Polymers Separated by Organic Spacers: Structures of $[(18\text{C}6)\text{K}][\text{Cd}(\text{SCN})_3]$ and $[(18\text{C}6)_2\text{Na}_2(\text{H}_2\text{O})_2]^{1/2}[\text{Cd}(\text{SCN})_3]$. <i>Journal of the American Chemical Society</i> , 1996, 118, 11813-11821.	6.6	92
452	Synthesis of ferrocenylarylethylenes and their cyclodextrin complexes, which are potential materials for nonlinear optics. <i>Russian Chemical Bulletin</i> , 1996, 45, 2243-2244.	0.4	1
453	Synthesis and characterization of various Schiff bases for non-linear optical applications. <i>Materials Chemistry and Physics</i> , 1996, 44, 261-266.	2.0	46

#	ARTICLE	IF	CITATIONS
454	Nonlinearity of the complex crystals with O-H bond. Journal of Physics and Chemistry of Solids, 1996, 57, 1321-1328.	1.9	37
455	Structure and optical non-linearity of PbO.2B2O3. Acta Crystallographica Section B: Structural Science, 1996, 52, 260-265.	1.8	63
456	Second harmonic generation in push-pull ethylenes: Influence of chirality and hydrogen bonding. Computational and Theoretical Chemistry, 1996, 378, 177-188.	1.5	6
457	Growth and Properties of the Organometallic Nonlinear Optical Crystal: Semicarbazide Cadmium Chloride (SCCC). Crystal Research and Technology, 1996, 31, 421-428.	0.6	8
458	Relationship between Crystal Structure and Properties in Substituted Thienyl Chalcones. Crystal Research and Technology, 1996, 31, 935-938.	0.6	1
459	Preparation and Characterization of 3-Acetamide-4-N-Cyclooctylamino-Nitrobenzene Crystals: A New Organic Material for Nonlinear Optics. Crystal Research and Technology, 1996, 31, 1033-1038.	0.6	0
460	Five-membered heteroaromatic hydrazone derivatives for second-order nonlinear optics. Advanced Materials, 1996, 8, 416-420.	11.1	49
461	Kristallisation supramolekularer Materialien: Perhydrotriphenylen(PHTP)â€EinschlusÃŸverbindungen mit nichtlinearen optischen Eigenschaften. Angewandte Chemie, 1996, 108, 1774-1776.	1.6	12
462	Large second-harmonic generation coefficients of bis(benzylidene) cycloalkanones estimated by the second-harmonic wave generated with the evanescent wave technique. Chemical Physics Letters, 1996, 249, 29-34.	1.2	45
463	Crystallization of Supramolecular Materials: Perhydrotriphenylene(PHTP) Inclusion Compounds with Nonlinear Optical Properties. Angewandte Chemie International Edition in English, 1996, 35, 1664-1666.	4.4	92
464	Temperature-dependent second harmonic generation in 6LiRbSO4 and 7LiRbSO4. Solid State Communications, 1996, 98, 241-244.	0.9	7
465	Synthesis of sulfone-substituted thiophene chromophores for second-order nonlinear optics. Tetrahedron Letters, 1996, 37, 7279-7282.	0.7	36
466	Second harmonic generation in push-pull ethylenes: Influence of chirality and hydrogen bonding. Journal of Molecular Structure, 1996, 378, 177-188.	1.8	25
467	Organometallic complexes for nonlinear optics VI: syntheses of rigid-rod ruthenium Î¶f-acetylide complexes bearing strong acceptor ligands; X-ray crystal structures of trans-[Ru(C Î¼-1/4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2 Chemistry, 1996, 523, 33-40.	0.8	62
468	Nonlinear Optical Study of ER Fluids. Journal of Intelligent Material Systems and Structures, 1996, 7, 565-568.	1.4	1
469	Intense second harmonic generation and longâ€Erange structural ordering in thin films of an organic salt grown by organic vapor phase deposition. Applied Physics Letters, 1996, 68, 1326-1328.	1.5	23
470	Electron paramagnetic resonance of tetrahedralFe3+inBi4Ge3O12single crystals. Physical Review B, 1996, 54, 12915-12920.	1.1	13
471	90Â° phaseâ€Ematched ultraviolet generation at 0.2660 Î¼m in LiClO4â€E3H2O. Journal of Applied Physics, 1996, 80, 6097-6098.	1.1	0

#	ARTICLE	IF	CITATIONS
472	Prominent Second-Order Nonlinear Optical Properties of Novel Ketone Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 278, 117-124.	0.3	10
473	SHG thermal imaging in ferroelectric media. , 0, , .		0
474	Engineering of polar molecular crystals with optimized chromophoric orientation for nonlinear optics. <i>Ferroelectrics</i> , 1997, 202, 51-64.	0.3	7
475	Frequency doubling in gallium-lanthanum-sulphide optical glass with microcrystals. <i>Applied Physics Letters</i> , 1997, 70, 155-157.	1.5	11
476	Combination of Maker fringe and total reflection technique: Nonlinear optical properties of 4-nitro-2-ethoxyamide-4- ϵ^2 -benzoyloxymethane. <i>Journal of Applied Physics</i> , 1997, 81, 550-553.	1.1	3
477	Generation of the second harmonic of laser radiation and the linear electro-optical effect in 4-aminostilbene single crystals. <i>Quantum Electronics</i> , 1997, 27, 1001-1003.	0.3	0
478	<title>Physical vapor transport experiments onboard the Space Shuttle Endeavour</title>. , 1997, 3123, 110.		2
479	Thermal imaging in artificial nonlinear media. , 1997, 2967, 225.		0
480	PTCR Effect in W-Doped KNbO ₃ Ceramics Sintered in Reducing Atmosphere. <i>Journal of the Ceramic Society of Japan</i> , 1997, 105, 1050-1052.	1.3	1
481	Synthesis and non-linear properties of disubstituted diphenylacetylene and related compounds. <i>Journal of Materials Chemistry</i> , 1997, 7, 429-433.	6.7	24
482	Structural Characterization of 4-Cyanoimidazolium-5-olate, 4,4-Diphenyl-5-imidazolinone, and 4,5-Dicyanoimidazole. A Novel Mesoionic Compound and Decoding of Intermolecular Hydrogen Bonds. <i>Journal of Organic Chemistry</i> , 1997, 62, 7037-7043.	1.7	15
483	Synthesis, Crystal Structure, and Second-Order Optical Nonlinearity of Bis(2-chlorobenzaldehyde) Tj ETQq1 1 0.784314 rgBT /Overload	1.9	186
484	Push~Pull Quinonoid Compounds:~ Enhanced Powder SHG Utilizing the Effect of Chiral Centers on the Dipole Alignment. <i>Chemistry of Materials</i> , 1997, 9, 830-837.	3.2	42
485	Theoretical Study of Hyperpolarizabilities in Crystalline m-Nitroaniline. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3762-3768.	1.1	16
486	Layered MPS3 (M = Mn, Cd) Thin Films as Host Matrixes for Nonlinear Optical Material Processing. <i>Chemistry of Materials</i> , 1997, 9, 2004-2012.	3.2	84
487	Second-Order Nonlinearity of Mixtures Includingp-Nitroaniline Derivatives. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8856-8859.	1.2	16
488	Second-Harmonic Generation from Single Crystals of N-Substituted 4-Nitroanilines. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 6754-6760.	0.8	69
489	A highly efficient organic second-order nonlinear optical crystal based on a donor-acceptor substituted 4-nitrophenylhydrazone. <i>Applied Physics Letters</i> , 1997, 71, 2064-2066.	1.5	16

#	ARTICLE	IF	CITATIONS
490	Perfect layered arrangement of ion-paired chromophores in a crystalline non-linear optical organic salt: 2-amino-3-nitropyridinium chloride. <i>Journal of Materials Chemistry</i> , 1997, 7, 35-39.	6.7	22
491	A novel class of phenol-pyridine co-crystals for second harmonic generation. <i>Journal of Materials Chemistry</i> , 1997, 7, 713.	6.7	138
492	New nonlinear-optical organic crystal: 4-dimethyl-aminobenzaldehyde-4-nitrophenyl-hydrazone. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 593.	0.9	27
493	Organic crystal isopropyl-4-acetylphenylurea and waveguide second-harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 1099.	0.9	4
494	Theoretical and experimental study of the second-order polarizabilities of Schiff's bases for nonlinear optical applications. <i>Computational Materials Science</i> , 1997, 8, 309-316.	1.4	5
495	Vapor deposited organic thin film in microgravity. <i>Journal of Crystal Growth</i> , 1997, 174, 130-138.	0.7	6
496	Syntheses, X-ray structures and second harmonic generation efficiencies of fused ring heterocycles. <i>Materials Research Bulletin</i> , 1997, 32, 1127-1136.	2.7	6
497	Estimation of SHG properties on polycrystalline $Ba(B_{1-x}M_x)_{2}O_4$ (M: Al or Ga). <i>Journal of Materials Science Letters</i> , 1997, 16, 1375-1377.	0.5	8
498	Odd-even oscillations of SHG efficiencies in twin NLO chromophores. <i>Polymer Bulletin</i> , 1997, 39, 481-487.	1.7	7
499	Chemical studies on the nonlinear optics of coordination compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 106, 85-90.	2.0	9
500	Cadmium Glutamate Dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1815-1816.	0.4	6
501	Dual Behaviour of Acetylacetonate Anions in the Hydrogen-Bonded Supramolecular Structure (Acetylacetonato-O,O') [trans-(1R,2R)-diaminocyclohexane-N,N']platinum(II) Acetylacetonate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 1816-1819.	0.4	3
502	A Re-investigation of the Crystal Structure of the Perovskite $PbZrO_3$ by X-ray and Neutron Diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 1997, 53, 135-142.	1.8	116
504	Organometallic complexes for non-linear optics XII syntheses and second-order susceptibilities of (neomenthyl)diphenylphosphine gold <i>l</i> -arylacetylides: X-ray crystal structures of $Au(C_6H_5)_2CPh$ (nmdpp) and $Au((E)-4,4\text{-}C_6H_4CH=CHC_6H_4NO_2)(nmdpp)$. <i>Journal of Organometallic Chemistry</i> , 1997, 544, 189-196.	0.8	32
505	Effect of DC and AC Bias Fields on the Dielectric and Ferroelectric Properties of a KTN Ceramic. <i>Physica Status Solidi A</i> , 1997, 161, 557-564.	1.7	28
506	Self-assembly of an acentric co-crystal of a highly hyperpolarizable merocyanine dye with optimized alignment for nonlinear optics. <i>Advanced Materials</i> , 1997, 9, 554-557.	11.1	44
507	Multiproperty molecular materials combining conductivity and second-order optical nonlinearities. <i>Advanced Materials</i> , 1997, 9, 1105-1108.	11.1	33
508	Crystal Growth of a Promising Nonlinear Optical Material: 2-Amino-5-Nitropyridinium Chloride. <i>Journal of Solid State Chemistry</i> , 1997, 129, 22-29.	1.4	33

#	ARTICLE	IF	CITATIONS
509	High-pressure studies of second harmonic generation in organic materials. <i>Chemical Physics Letters</i> , 1997, 280, 375-380.	1.2	16
510	Crystal growth of hybrid nonlinear optical materials: 2-amino-5-nitropyridinium dihydrogenphosphate and dihydrogenarsenate. <i>Journal of Crystal Growth</i> , 1997, 180, 229-237.	0.7	29
511	Title is missing!. <i>Transition Metal Chemistry</i> , 1998, 23, 125-128.	0.7	10
512	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1998, 30, 321-330.	1.6	8
513	A new synthesis of π -electron conjugated phosphonates and phosphonic bis(diethylamides) and their SHG activities. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 2953-2958.	0.9	65
514	Highly polarizable chromophores for nonlinear optics: syntheses, structures and properties of donor-acceptor substituted thiophenes and oligothiophenes. <i>Tetrahedron</i> , 1998, 54, 8469-8480.	1.0	51
515	Organic nonlinear optical crystals of benzoyl glycine. <i>Journal of Crystal Growth</i> , 1998, 193, 674-678.	0.7	50
516	Structure-Property Relationships in Li^+HxIO_3 Type Complex Crystals. <i>Journal of Solid State Chemistry</i> , 1998, 135, 121-126.	1.4	12
517	Structure and nonlinear optical properties of phenylazo compounds. Structural characterization of 3-amino-3-morpholinyl-2-(o-nitrophenylazo)-propenenitrile and o-nitrophenylhydrazonomalononitrile. <i>Journal of Molecular Structure</i> , 1998, 444, 135-146.	1.8	7
518	Push-pull azulene-based chromophores with nonlinear optical properties. <i>Tetrahedron Letters</i> , 1998, 39, 6853-6856.	0.7	42
519	Organic Materials for Non-Linear Optics: The 2D Approach. <i>Journal für Praktische Chemie, Chemiker-Zeitung</i> , 1998, 340, 99-111.	0.5	50
520	Thermal and crystallographic properties of a new NLO material, urea-(d) tartaric acid single crystal. <i>Materials Letters</i> , 1998, 33, 265-268.	1.3	63
521	Hydrothermal synthesis of nonlinear optical potassium niobate ceramic powder. <i>Materials Letters</i> , 1998, 34, 172-176.	1.3	104
522	Synthesis, crystal structure and INDO calculation of the molecular hyperpolarizability of a highly polarizable merocyanine dye. <i>New Journal of Chemistry</i> , 1998, 22, 1085-1091.	1.4	11
523	2-Amino-3-nitropyridinium hydrogensulfate hydrate: a nonlinear optical crystal engineered with a two-dimensional hyperpolarisable chromophore. <i>New Journal of Chemistry</i> , 1998, 22, 159-163.	1.4	18
524	Synthesis and theoretical and experimental nonlinear optical studies of push-pull benzopyranic derivatives containing an oxo, thioxo or dicyanoethylene group as acceptor site. <i>New Journal of Chemistry</i> , 1998, 22, 633-641.	1.4	13
525	Effect of High Pressure on the Second Harmonic Generation Efficiencies of Three Monoclinic Organic Compounds. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5963-5968.	1.2	11
526	Non Linear Optics in Zirconium Phosphate Layered Phases. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 311, 275-280.	0.3	7

#	ARTICLE	IF	CITATIONS
527	The MnPS ₃ layered phase as a substrate for aggregate formation: the example of triarylpyrylium cations. <i>Journal of Materials Chemistry</i> , 1998, 8, 1471-1475.	6.7	7
528	Synthesis, photophysics, photochemistry, electrochemistry and structural studies of luminescent rhenium(I) surfactant complexes; non-linear optical properties in Langmuir-Blodgett films. <i>Journal of Materials Chemistry</i> , 1998, 8, 89-97.	6.7	20
529	Methodology for optical studies of nonlinear crystals: application to the isomorph family , , and. <i>Journal of Optics</i> , 1998, 7, 239-256.	0.5	37
530	Crystal Engineering in [(12C ₄) ₂ Na][Cd(SCN) ₃]: First Example of an Anionic Cadmium Thiocyanate Coordination Solid with a Sandwich [(12C ₄) ₂ Na] ⁺ Cation as Spacer/Controller, Resulting in a Hexagonal Arrangement of Antiparallel Zigzag [Cd(SCN) ₃] ⁻ Chains. <i>Inorganic Chemistry</i> , 1998, 37, 3490-3496.	1.9	49
531	Non-linear Optical Properties of Squarate Esters and Amides. <i>Journal of Chemical Research Synopses</i> , 1998, , 244-245.	0.3	7
532	Refractive Indices of the Optically Nonlinear Organic Crystal (S)-3-Methyl-5-nitro-N-(1-phenylethyl)-2-pyridinamine. <i>Journal of Physical Chemistry A</i> , 1998, 102, 8520-8525.	1.1	5
533	Supramolecular Engineering of Chiral and Acentric 2D Networks. Synthesis, Structures, and Second-Order Nonlinear Optical Properties of Bis(nicotinato)zinc and Bis{3-[2-(4-pyridyl)ethenyl]benzoato}cadmium. <i>Journal of the American Chemical Society</i> , 1998, 120, 13272-13273.	6.6	525
534	Dual Influence of H-Bonding on the Solid-State Second- Harmonic Generation of a Chiral Quinonoid Compound. <i>Chemistry of Materials</i> , 1998, 10, 2371-2377.	3.2	47
535	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of a New Phase-Matchable Cyanine Dye. <i>Chemistry of Materials</i> , 1998, 10, 1135-1140.	3.2	9
536	Novel electro-optic molecular cocrystals with ideal chromophoric orientation and large second-order optical nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 426.	0.9	51
537	Lewis Acidic Borane Adducts of Pyridines and Stilbazoles for Nonlinear Optics. <i>Chemistry of Materials</i> , 1998, 10, 1355-1365.	3.2	134
538	Organometallic Complexes in Nonlinear Optics I: Second-Order Nonlinearities. <i>Advances in Organometallic Chemistry</i> , 1998, 42, 291-362.	0.5	373
539	Nonlinearity Enhancement by Solid-State Proton Transfer: A New Strategy for the Design of Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 1998, 10, 847-854.	3.2	121
540	Composition Space of the (CdO, 0.5Nb ₂ O ₅)/(HF)xPyridine/H ₂ O System. Structure and Synthesis of CdNb(py) ₄ O ₅ . <i>Inorganic Chemistry</i> , 1998, 37, 369-371.	1.9	38
541	Second-Order Nonlinear Performance of Poly(methyl methacrylate) Films with Dispersed Donor-Acceptor Organobimetallic Compounds. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10698-10706.	1.2	14
542	Syntheses, Crystal Structures, and NLO Properties of New Chiral Inorganic Chromophores for Second-Harmonic Generation. <i>Inorganic Chemistry</i> , 1998, 37, 2158-2165.	1.9	62
543	Incorporation of a Stilbazole Derivative in the Hydrogen-Bonded Chain of Tartrate: Toward a One-Step Optimization of Molecular and Bulk Second-Order Nonlinearities. <i>Chemistry of Materials</i> , 1998, 10, 1109-1114.	3.2	17
544	Novel Organic SHG Materials. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 315, 135-140.	0.3	102

#	ARTICLE	IF	CITATIONS
545	The crystal structure of new lead monoborate hydrate, Pb ₅ B ₃ O ₈ (OH)·3H ₂ O. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1998, 213, 240-245.	0.4	17
546	Electron paramagnetic resonance investigation of ions in single crystals. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3261-3268.	0.7	9
547	Octupolar versus dipolar crystalline structures for nonlinear optics: A dual crystal and propagative engineering approach. <i>Journal of Chemical Physics</i> , 1998, 109, 658-669.	1.2	76
548	EPR and crystal-field analysis of Yb ³⁺ ions in Bi ₄ Ge ₃ O ₁₂ single crystals. <i>Physical Review B</i> , 1998, 58, 39-42.	1.1	12
549	Investigation of Transition Metal-Xanthate Complexes for Nonlinear Optical Applications. <i>Materials Research Society Symposia Proceedings</i> , 1998, 519, 395.	0.1	16
550	Intermolecular Hydrogen Bonds of 5-Benzylidene-2,4-thiazolidinedione Derivatives and Related Compounds in Crystalline State. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 1713-1718.	2.0	11
551	Molecular and Crystal Structures of Novel Second-Order Nonlinear Optical Crystals: \pm, \pm -Dibenzylidenecycloalkanones. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 2777-2786.	2.0	33
552	Studies on third-harmonic generation in chemically grown ZnS quantum dots. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 1363-1368.	0.7	11
553	Second-harmonic spectroscopy of interband excitations at the interfaces of strained Si(100) \hat{a} Si _{0.85} Ge _{0.15} \hat{a} SiO ₂ heterostructures. <i>Physical Review B</i> , 1999, 59, 2915-2926.	1.1	37
554	A new nonlinear optical crystal K ₂ /sub 2/Al ₂ /sub 2/B ₂ /sub 2/O ₇ . , 0, , .		0
555	Synthesis and second-order nonlinearities of sulfonyl-substituted pyrrole imino dyes. <i>Tetrahedron Letters</i> , 1999, 40, 2157-2160.	0.7	31
556	The EPR technique as a tool for the understanding of laser systems.. <i>Optical Materials</i> , 1999, 13, 141-145.	1.7	38
557	Ni(dmit) ₂ salts with chiral stilbazolium- and ferrocenyl-based chromophores as counterions. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 1999, 2, 329-340.	0.1	0
558	Growth and characterisation of phosphate mixed ZTS single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999, 65, 153-158.	1.7	60
559	A tetrahedral coordination compound for second-order nonlinear optics: synthesis, crystal structure and SHG of Zn(2-NH ₂ py) ₂ Cl ₂ . <i>Polyhedron</i> , 1999, 18, 3461-3464.	1.0	44
560	Sodium 3-methyl-4-nitrophenolate dihydrate: a crystal engineering route towards new herringbone structures for quadratic non-linear optics. <i>Chemical Physics</i> , 1999, 245, 365-375.	0.9	22
561	Cadmium isopropylxanthate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 717-719.	0.4	19
562	N,N'-Diphenylguanidinium hydrogen (+)-L-tartrate monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1287-1290.	0.4	9

#	ARTICLE	IF	CITATIONS
563	Pentaamminenitrocobalt(III) hexafluorosilicate(IV) at 293 and 150K. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 1205-1208.	0.4	3
564	Zinc mercury thiocyanate (ZMTC). Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 1203-1205.	0.4	18
565	Molecular co-crystals of 2-aminothiazole derivatives. Acta Crystallographica Section B: Structural Science, 1999, 55, 758-766.	1.8	28
566	Nonlinear optical organic co-crystals of merocyanine dyes and phenolic derivatives with short hydrogen bonds. Chemical Physics, 1999, 245, 377-394.	0.9	31
567	Effect of hydrogen bonds on optical nonlinearities of inorganic crystals. Chemical Physics Letters, 1999, 301, 449-452.	1.2	107
568	Molecular and crystal engineering of a new class of inorganic cadmium-thiocyanate polymers with host-guest complexes as organic spacers, controllers, and templates. Coordination Chemistry Reviews, 1999, 183, 157-195.	9.5	285
569	[Cd ₂ (4,4'-bipy) ₂ (H ₂ O) ₃ (SO ₄) ₂ ·3H ₂ O: a novel three-dimensional coordination polymer with nonlinear optical properties. Inorganica Chimica Acta, 1999, 294, 95-98.	1.2	57
570	The applicability of second harmonic generation for in situ measurement of induction time of selected crystallization systems. Journal of Crystal Growth, 1999, 203, 564-569.	0.7	13
571	Nonlinear optical activity of anhydrous and hydrated sodium p-nitrophenolate. Journal of Crystal Growth, 1999, 205, 548-553.	0.7	37
572	Encapsulation of nitrophenol into AlPO ₄ -5: Effect of isomers on optical second harmonic generations. Journal of Materials Science, 1999, 34, 5509-5512.	1.7	5
573	Electro-optical properties of the first rhenium-hydrazone complex, fac-Re(CO) ₃ (dpknph)*Cl. Transition Metal Chemistry, 1999, 24, 384-388.	0.7	36
574	Synthesis, structure and properties of a new nonlinear optical material: zinc cadmium tetrathiocyanate. Materials Research Bulletin, 1999, 34, 2003-2011.	2.7	141
575	In Search of Inorganic Nonlinear Optical Materials for Second Harmonic Generation. Journal of Solid State Chemistry, 1999, 148, 75-80.	1.4	50
576	Crystal Growth, Structure, and Properties of New Nonlinear Optical Materials: K ₂ Ln(NO ₃) ₅ ·2H ₂ O (Ln=La, Ce, Pr, Nd, Sm). Journal of Solid State Chemistry, 1999, 148, 302-307.	1.4	19
577	Chiral polyesters with azobenzene moieties in the main chain, synthesis and evaluation of nonlinear optical properties. Journal of Materials Chemistry, 1999, 9, 1425-1429.	6.7	28
578	Engineering of non-linear optical crystals displaying a quasi perfect polar alignment of chromophores. Journal of Materials Chemistry, 1999, 9, 2233-2239.	6.7	12
579	Crystal structures of amino substituted dicyanoquinodimethanes with potential nonlinear optical applications. New Journal of Chemistry, 1999, 23, 841-844.	1.4	10
580	Oxoanion influences on the self-assembly of cationic co-ordination complex polymers of the nickel(II)-di-4-pyridylamine family. Journal of the Chemical Society Dalton Transactions, 1999, , 3467-3472.	1.1	25

#	ARTICLE	IF	CITATIONS
581	An unprecedented 3D coordination network composed of two intersecting helices. <i>Chemical Communications</i> , 1999, , 1903-1904.	2.2	37
582	Synthesis and crystal structure of a chiral two-dimensional metal-organic coordination polymer: (S-(-)-lactate) (isonicotinato)zinc(II). <i>New Journal of Chemistry</i> , 1999, 23, 1051-1052.	1.4	60
583	Sodium 4-nitrophenolate 4-nitrophenol dihydrate crystal: a new herringbone structure for quadratic nonlinear optics. <i>Journal of Materials Chemistry</i> , 1999, 9, 1471-1479.	6.7	29
584	Chiral Stilbazolium Chromophores: An Approach toward Multiproperty Materials Combining Conductivity and Second-Order Optical Nonlinearities. <i>Chemistry of Materials</i> , 1999, 11, 840-848.	3.2	36
585	Nonlinear optical properties of chiral thiolates. <i>Synthetic Metals</i> , 1999, 102, 1548-1549.	2.1	9
586	Design, Synthesis, and Crystal Structure of acis-Configuration N2S2-Coordinated Palladium(II) Complex: A Role of the Intra- and Intermolecular Aromatic-Ring Stacking Interaction. <i>Inorganic Chemistry</i> , 1999, 38, 1719-1724.	1.9	87
587	N-Alkyl-p-nitroanilines: impact of alkyl chain length on crystal structures and optical SHG. <i>Journal of Materials Chemistry</i> , 1999, 9, 1699-1705.	6.7	36
588	Synthesis, Crystal Structures, and Second-Order Nonlinear Optical Properties of New Chiral Ferrocenyl Materials. <i>Organometallics</i> , 1999, 18, 21-29.	1.1	101
589	Crystal growth of a stable nonlinear optical organic material: 2-amino-5-nitropyridinium monohydrogen L-tartrate. <i>Journal of Materials Chemistry</i> , 1999, 9, 1091-1095.	6.7	23
590	A Novel Octupolar Metal-Organic NLO Material Based on a Chiral 2D Coordination Network. <i>Journal of the American Chemical Society</i> , 1999, 121, 11249-11250.	6.6	447
591	Organometallic-Organic Hybrid Crystals from Ferrocenyl Dipyridine and Binaphthol: A Different Crystal Structures and Nonlinear Optical Properties Depending upon the Reaction Medium and Optical Purity of Binaphthol. <i>Organometallics</i> , 1999, 18, 5080-5085.	1.1	28
592	Hyper-Rayleigh scattering of azulenic donor-acceptor molecules at 1064 and 1907 nm. <i>Journal of Chemical Physics</i> , 1999, 111, 4621-4628.	1.2	44
593	Quinolinium-Derived Acentric Crystals for Second-Order NLO Applications with Transparency in the Blue. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8702-8705.	1.2	13
594	Organic Materials for Second-Order Non-Linear Optics. <i>Advances in Physical Organic Chemistry</i> , 1999, 32, 121-217.	0.5	141
595	SYNTHESIS, CRYSTAL STRUCTURE AND NONLINEAR OPTICAL PROPERTIES OF THIOSEMICARBAZONE ZINC COMPLEX. <i>Journal of Coordination Chemistry</i> , 1999, 47, 433-439.	0.8	10
596	Optical Second Harmonic Generation in Achiral Bis(n-alkylamino)dicyanoquinodimethanes: A Alkyl Chain Length as the Design Element. <i>Chemistry of Materials</i> , 1999, 11, 466-472.	3.2	37
597	Effective nonlinear coefficients of organic powders measured by second-harmonic generation in total reflection: numerical and experimental analysis. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 83.	0.9	12
598	Linear and second-order nonlinear optical characterizations of the solid solution 2-amino-5-nitropyridinium dihydrogenphosphate-arsenate 2A5NPDP_(1-x)As_x (0 ≤ x ≤ 1). <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1385.	0.9	3

#	ARTICLE	IF	CITATIONS
599	THERMAL AND OPTICAL PROPERTIES OF MOLECULAR SIEVE $\text{AlPO}_4\text{-5}$ LOADED WITH NITROANILINE ISOMERS. <i>Phosphorus Research Bulletin</i> , 1999, 9, 49-54.	0.1	1
602	New Tetrathiafulvalene- π -Spacer-Acceptor Derivatives: Synthesis, Crystal Structure, Optical and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 737-741.	1.2	61
603	A New Bismuth-Selenium Oxychloride, BiSeO_3Cl : Crystal Structure and Dielectric and Nonlinear Optical Properties. <i>Journal of Solid State Chemistry</i> , 2000, 149, 236-241.	1.4	49
604	Crystal Structure of $\text{Na}_2\text{M}_2(\text{BO}_3)_2\text{O}$ (M=Al, Ga); Comparison with Other Layered Oxyborates and SiP_2O_7 . <i>Journal of Solid State Chemistry</i> , 2000, 154, 344-349.	1.4	20
605	Thermally Robust Metal Coordination Polymers: The Cobalt, Nickel, and Zinc Pyrimidin-2-olate Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2507-2515.	1.0	30
606	Growth and characterization of a promising nonlinear optical organic crystal. <i>Journal of Crystal Growth</i> , 2000, 210, 824-827.	0.7	25
607	Studies on organic indole-3-aldehyde single crystals. <i>Journal of Crystal Growth</i> , 2000, 212, 227-232.	0.7	96
608	Manganese mercury thiocyanate (MMTC) glycol monomethyl ether. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 647-648.	0.4	11
609	Polymeric diaquatetra- $\frac{1}{4}$ -thiocyanato-manganese(II)mercury(II) bis(N,N-dimethylacetamide) solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1305-1307.	0.4	11
610	Poly[[bis(dimethyl sulfoxide- $\hat{\rho}$ O)tris(thiocyanato- $\hat{\rho}$ N)manganese(II)]- $\frac{1}{4}$ -thiocyanato- $\hat{\rho}$ 2N:S-mercury(II)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 418-420.	0.4	14
611	Second harmonic generation from the single crystals of N-substituted 4-cyanoanilines. <i>Journal of Luminescence</i> , 2000, 87-89, 886-888.	1.5	7
612	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 610, 71-79.	0.8	35
613	Quinolinium derived acentric single crystals. <i>Tetrahedron Letters</i> , 2000, 41, 5397-5402.	0.7	16
614	The crystal packing of a strongly dipolar piperazinedione. <i>Tetrahedron Letters</i> , 2000, 41, 9483-9487.	0.7	10
615	Study of linear and nonlinear optical properties of distorted TiO_6 perovskite structure in $\text{Ba}_x\text{Sr}_{1-x}\text{TiO}_3$. <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 969-977.	1.9	19
616	The influence of crystal packing on second-order non-linear optical properties of new chiral ferrocenyl materials. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2000, 3, 139-146.	0.1	1
617	Molecular cocrystals of 2-amino-5-chlorobenzooxazole. <i>Crystal Engineering</i> , 2000, 3, 71-79.	0.7	13
618	One-pot polymorphism of nonlinear optical materials. First example of organic polytypes. <i>Crystal Engineering</i> , 2000, 3, 263-288.	0.7	26

#	ARTICLE	IF	CITATIONS
619	Organic inclusion complex strategy for designing nonlinear optical crystals for ultraviolet applications. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2000, 40, 123-132.	1.8	10
620	Structure and properties of niobium-doped potassium titanyl phosphate crystals. <i>Crystallography Reports</i> , 2000, 45, 739-743.	0.1	16
621	Growth, structure, and properties of ferroelectricâ€”ferroelasticâ€”superionic K ₃ Nb ₃ B ₂ O ₁₂ and K ₃ âˆ”x Na _x Nb ₃ B ₂ O ₁₂ crystals. <i>Crystallography Reports</i> , 2000, 45, 816-820.	0.1	6
622	Experimental determination of induction period and interfacial energies of pure and nitro doped 4-hydroxyacetophenone single crystals. <i>Materials Chemistry and Physics</i> , 2000, 64, 179-183.	2.0	41
623	Alternative synthetic approach to large molecule intercalation in V ₂ O ₅ xerogels. <i>Materials Research Bulletin</i> , 2000, 35, 1907-1913.	2.7	0
624	Crystal properties of Li ₂ (B ₁ âˆ”xAl _x) ₄ O ₇ grown by Czochralski method. <i>Journal of Materials Science Letters</i> , 2000, 19, 745-747.	0.5	0
625	CW blue-green light emission from GaN and SiC by sum-frequency generation and second harmonic generation. <i>Journal of Electronic Materials</i> , 2000, 29, 1059-1062.	1.0	4
626	OHâ€”F disorder in non-centrosymmetric Zn ₂ (BO ₃)(OH) _{0.75} F _{0.25} : ab initio structure determination and NMR study; comparison with tridymite and fluoride borates. <i>Journal of Alloys and Compounds</i> , 2000, 305, 49-57.	2.8	13
627	Optosensing properties of fac-Re(CO) ₃ (dpknp)Cl (dpknp=di-2-pyridyl ketone p-nitrophenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	2.9	27
628	The important role of the bromo group in improving the properties of organic nonlinear optical materials. <i>Journal of Materials Chemistry</i> , 2000, 10, 1513-1517.	6.7	173
629	Enhanced second harmonic generation at surface in transparent nanocrystalline TeO ₂ -based glass ceramics. <i>Applied Physics Letters</i> , 2000, 77, 2118-2120.	1.5	83
630	6.2.2.1 Second-order effects. , 0, , 23-25.		0
631	Modeling Polymorphismâ”Solvated Supramolecular Clusters Reveal the Solvent Selection of SHG Active and Inactive Dimorphs. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10191-10195.	1.2	12
632	A comparative study on the nonlinear optical properties of diphenyl ether and diphenyl sulfide compounds. <i>Journal of Materials Chemistry</i> , 2000, 10, 1581-1584.	6.7	19
633	A new octupolar material for quadratic nonlinear optics: tris(2,2â€”bipyridyl)Zn(ii) tetrakis(2-chloro-4-nitrophenolate)Zn(ii). <i>Journal of Materials Chemistry</i> , 2000, 10, 1419-1423.	6.7	28
634	In Situ Observation of a Phase Transition in a Thin Molecular Film by Optical Second Harmonic Generation. <i>Langmuir</i> , 2000, 16, 2832-2838.	1.6	7
635	Tetra(4-methoxyphenyl)phosphonium Iodide:â” A Twinned Crystal Built Up with Three-Dimensional Octupolar Nonlinear Optical Chromophores. <i>Chemistry of Materials</i> , 2000, 12, 1025-1033.	3.2	41
636	Influence of Alkyl Chain Length on the Crystal Structures and Optical SHG of N-n-Alkyl-2,4-dinitroanilines: Role of Dipolar and Dispersion Energies. <i>Chemistry of Materials</i> , 2000, 12, 3362-3368.	3.2	32

#	ARTICLE	IF	CITATIONS
637	Quadratic Hyperpolarizability Enhancement of para-Substituted Pyridines upon Coordination to Organometallic Moieties: The Ambivalent Donor or Acceptor Role of the Metal. <i>Organometallics</i> , 2000, 19, 1775-1788.	1.1	103
638	Formation of dinuclear macrocyclic and mononuclear acyclic complexes of a new trinucleating hexaaza triphenolic Schiff base macrocycle: structure and NLO properties. <i>Dalton Transactions RSC</i> , 2000, , 2845-2852.	2.3	90
639	The Nonlinear Optical Properties of the Crystal (S)-3-Methyl-5-nitro-N-(1-phenylethyl)-2-pyridinamine. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6710-6716.	1.2	8
640	Wide Spectral Range Nonlinear Optical Crystals of One-Dimensional Coordination Solids [Et4N][Cd(SCN)3] and [Et4N][Cd(SeCN)3] and the General Design Criteria for [R4N][Cd(XCN)3] (Where R) <i>Tj ETQp 1 0.7843 14 rgBT</i>	1.1	14
641	Synthesis, crystal structure and solid state NLO properties of a new chiral bis(salicylaldiminato)nickel(ii) Schiff-base complex in a nearly optimized solid state environment. <i>Journal of Materials Chemistry</i> , 2000, 10, 1013-1018.	6.7	43
642	Opto-electronic multifunctional chiral diamondoid-network coordination polymer: bis{4-[2-(4-pyridyl)ethenyl]benzoato}zinc with high thermal stability. <i>Chemical Communications</i> , 2000, , 2061-2062.	2.2	150
643	Second-Harmonic Generation in Ferroelectric Waveguides. <i>Springer Series in Optical Sciences</i> , 2000, , 437-526.	0.5	1
644	Second-Order Nonlinear Optical Organic Materials: Recent Developments. <i>Springer Series in Optical Sciences</i> , 2000, , 163-299.	0.5	37
645	Structural dependence of π - π interactions in dithiocarbazato and thiosemicarbazato nickel complexes. <i>New Journal of Chemistry</i> , 2000, 24, 1057-1062.	1.4	51
646	NLO-active zinc(ii) and cadmium(ii) coordination networks with 8-fold diamondoid structures. <i>Chemical Communications</i> , 2000, , 2263-2264.	2.2	133
647	Enhancement of the Erbium Concentration in RbTiOPO4 by Codoping with Niobium. <i>Chemistry of Materials</i> , 2000, 12, 3171-3180.	3.2	45
648	Structure and NLO Properties of Layered Bimetallic Oxalato-Bridged Ferromagnetic Networks Containing Stilbazolium-Shaped Chromophores. <i>Journal of the American Chemical Society</i> , 2000, 122, 9444-9454.	6.6	195
649	Organic-inorganic hybrid materials assembled through weak intermolecular interactions. Synthesis, structures and non-linear optical properties of [4,4'-bipyH2][M(NCS)4] (M = Mn ²⁺ , Co ²⁺ or Zn ²⁺ ;) <i>Tj ETQp 0 0 0 rgBT /Overlo</i>	1.1	8
650	Size Dependence of Second Harmonic Generation in CdSe Nanocrystal Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1-5.	1.2	141
651	Crystal engineering of neutral N-arylpyrimidinones and their HCl and HNO ₃ adducts with a π - π supramolecular synthon. Implications for non-linear optics. <i>New Journal of Chemistry</i> , 2001, 25, 1520-1527.	1.4	10
652	Synthesis and Characterization of Non-centrosymmetric TeSeO ₄ . <i>Inorganic Chemistry</i> , 2001, 40, 1172-1175.	1.9	59
653	Synthesis and Characterization of Te ₂ SeO ₇ : A Powder Second-Harmonic-Generating Study of TeO ₂ , Te ₂ SeO ₇ , Te ₂ O ₅ , and TeSeO ₄ . <i>Chemistry of Materials</i> , 2001, 13, 1910-1915.	3.2	200
654	Bi ₂ TeO ₅ : Synthesis, Structure, and Powder Second Harmonic Generation Properties. <i>Inorganic Chemistry</i> , 2001, 40, 1978-1980.	1.9	112

#	ARTICLE	IF	CITATIONS
655	Triboluminescent materials for structural damage monitoring. Journal of Materials Chemistry, 2001, 11, 231-245.	6.7	216
656	Rational Design of Nonlinear Optical Materials Based on 2D Coordination Networks. Chemistry of Materials, 2001, 13, 3009-3017.	3.2	222
657	Absence of Ligand-Mediated Symmetry Reduction in a Solid Solution: $\text{Cu}(\text{NC}_5\text{H}_5)_4[(\text{NbOF}_5)_{1-x}(\text{WO}_2\text{F}_4)_x]$ ($0 \leq x \leq 1$). Crystal Growth and Design, 2001, 1, 203-206.	1.4	1
658	A Photochromic Molecule-Based Magnet. Chemistry of Materials, 2001, 13, 159-162.	3.2	157
659	Organic Crystals for Nonlinear Optics. , 2001, , 6526-6534.		0
660	Molecular Complexation as a Design Tool in the Crystal Engineering of Noncentrosymmetric Structures. Ideal Orientation of Chromophores Linked by $\text{O} \cdots \text{H} \cdots \text{O}$ and $\text{C} \cdots \text{H} \cdots \text{O}$ Hydrogen Bonds for Nonlinear Optics. Chemistry of Materials, 2001, 13, 1473-1479.	3.2	74
661	Hybrid Molecular-Based Magnets Containing Organic NLO Chromophores: A Search toward an Interplay between Magnetic and NLO Behavior. Chemistry of Materials, 2001, 13, 441-449.	3.2	91
662	Thermal and dielectric studies on binary organic system: benzil- <i>m</i> -nitroaniline. Materials Letters, 2001, 48, 356-361.	1.3	14
663	OH/F disorder in non-centrosymmetric $\text{Zn}_2(\text{BO}_3)(\text{OH})_{0.75}\text{F}_{0.25}$: ab initio structure determination and NMR study; comparison with tridymite and fluoride borates. Journal of Alloys and Compounds, 2001, 315, 287-295.	2.8	5
664	Growth and characterisation of $\text{RbTiOPO}_4:\text{Nb}$ crystals as a host for rare earth ions. Journal of Alloys and Compounds, 2001, 323-324, 231-235.	2.8	17
665	Dielectric, linear and non-linear optical properties of lithium borate-bismuth tungstate glasses and glass-ceramics. Journal of Non-Crystalline Solids, 2001, 279, 1-13.	1.5	67
666	Various lacunary polyoxometalates: cluster molecule crystals as new designable inorganic, nonlinear materials for the second harmonic generation. , 2001, , .		0
667	Design and characterization of organic and organometallic molecules for second order nonlinear optics. , 2001, , 127-191.		42
668	Nanocluster crystals of lacunary polyoxometalates as structure-design-flexible, inorganic nonlinear materials. Applied Physics Letters, 2001, 79, 3564-3566.	1.5	33
669	Perfectly polar assembly of molecular dipoles in crystals of $\text{Zn}(\text{ii})(\text{DMAP})(\text{acac})_2$: a case of self-poling. Chemical Communications, 2001, , 931-932.	2.2	31
670	Dielectric properties and structure of $\text{Bi}_4\text{NbO}_8\text{Cl}$ and $\text{Bi}_4\text{TaO}_8\text{Cl}$. Journal of Materials Chemistry, 2001, 11, 1141-1145.	6.7	51
671	Polar Compounds Constructed with the $[\text{Cr}_2\text{O}_7]^{2-}$ Anion. Inorganic Chemistry, 2001, 40, 2015-2019.	1.9	31
672	Organic Nonlinear Optical Chromophores in an Inorganic Environment. Toward an Interplay between Magnetism, Conductivity, and Nonlinear Optics. Chemistry of Materials, 2001, 13, 3495-3506.	3.2	73

#	ARTICLE	IF	CITATIONS
673	Evidence for Second-Order Optical Nonlinearity in $\hat{\nu}^3$ -Ray Induced Partially Cross-Linked Polyacrylonitrile. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5110-5113.	1.2	26
674	Intercalation of Nitroanilines into Kaolinite and Second Harmonic Generation. <i>Chemistry of Materials</i> , 2001, 13, 3741-3746.	3.2	82
675	A New Lanthanum and Calcium Borate La ₂ CaB ₁₀ O ₁₉ . <i>Chemistry of Materials</i> , 2001, 13, 753-755.	3.2	136
676	Tetrathioure mercury(II) tetrathiocyanatomanganate(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 145-146.	0.4	7
677	Synthesis, structure, thermal and non-linear optical properties of L-argininium hydrogen selenite. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 828-832.	1.8	8
678	New chiral ferrocenyl-pyridinium salts for non-linear optics. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 531-537.	0.8	17
679	Second harmonic generation of $\hat{\nu}^5$ -monocyclopentadienyl ruthenium p-benzonitrile derivatives by Kurtz powder technique. Crystal and molecular structure determinations of [Ru($\hat{\nu}^5$ -C ₅ H ₅)(+)-DIOP)(p-NCC ₆ H ₄ NO ₂)] [X], X=PF ₆ ⁻ , CF ₃ SO ₃ ⁻ and [Ru($\hat{\nu}^5$ -C ₅ H ₅)(+)-DIOP)(NCCH ₃)] [PF ₆]. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 133-144.	0.8	28
680	Structural distortion and disorder in pseudo-trigonal noncentrosymmetric K ₄ Ce(CO ₃) ₃ O ₂ ·2H ₂ O. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 1507-1512.	1.9	2
681	Synthesis and characterization of Ba ₂ Be ₂ B ₂ O ₇ . <i>Inorganic Chemistry Communication</i> , 2001, 4, 565-567.	1.8	16
682	The nonlinear optical properties of the XYB ₂ O ₆ family of compounds. <i>Optical Materials</i> , 2001, 16, 453-462.	1.7	14
683	Optically active poly(ester-amide)s: synthesis and characterization. <i>Polymer International</i> , 2001, 50, 1318-1323.	1.6	22
684	SbSb _x M _{1-x} O ₄ (M=NbV or TaV): Solid Solution Behavior and Second-Harmonic Generating Properties. <i>Journal of Solid State Chemistry</i> , 2001, 161, 57-62.	1.4	45
685	Second-Order Optical Nonlinearities in Coordination Chemistry: The Case of Bis(salicylaldiminato)metal Schiff Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 339-348.	1.0	326
686	Syntheses, Structures and Nonlinear Optical Properties of Ferrocenyl Complexes with Arylethenyl Substituents. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2113-2122.	1.0	40
687	A Novel and Perfectly Aligned Crystal of a Ferrocenyl Chromophore Displaying High Quadratic Nonlinear Optical Bulk Efficiency. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2221-2226.	1.0	35
689	Helical Superstructures of a C ₂ -Symmetric Molecule Exhibiting Strong Second Harmonic Generation in the Solid-State. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2451-2455.	7.2	71
690	Investigation of Bimetallic Thiocyanates belonging to ABTC Structure Type: ZnCd(SCN) ₄ and AHg(SCN) ₄ (A = Zn, Cd, Mn) as Nonlinear Optical Crystal Materials. <i>Crystal Research and Technology</i> , 2001, 36, 73-84.	0.6	65
691	Growth and characterization of non-linear optical L-histidine tetrafluoroborate (L-HFB) single crystals. <i>Journal of Crystal Growth</i> , 2001, 224, 122-127.	0.7	47

#	ARTICLE	IF	CITATIONS
692	Crystal growth and hydration effects in morpholinium 4-hydroxybenzoate (M4HB). Journal of Crystal Growth, 2001, 225, 474-478.	0.7	28
693	Crystal growth and characterization of a novel organometallic nonlinear-optical crystal. Journal of Crystal Growth, 2001, 224, 284-293.	0.7	37
694	Growth and characterisation of a new promising NLO mixed borate crystal. Journal of Crystal Growth, 2001, 233, 208-210.	0.7	3
695	An unprecedented six-fold anion-type chiral diamondoid-like eight-coordinate Cd(II) coordination polymer with a second-order nonlinear optical effect. Dalton Transactions RSC, 2001, , 2453-2455.	2.3	108
696	Crystal Engineering of Nonlinear Optical Materials Based on Interpenetrated Diamondoid Coordination Networks. Chemistry of Materials, 2001, 13, 2705-2712.	3.2	348
697	Engineering Crystal Symmetry and Polar Order in Molecular Host Frameworks. Science, 2001, 294, 1907-1911.	6.0	314
698	Growth and properties of UV nonlinear optical crystal ZnCd(SCN) ₄ . Materials Research Bulletin, 2001, 36, 1287-1299.	2.7	29
699	Chimie douce synthesis of a new nonlinear optical material: Ba _{1.5} VOSi ₂ O ₇ . Solid State Sciences, 2001, 3, 113-119.	1.5	8
700	Re-crystallization of MNA under a strong dc electric field. Solid State Sciences, 2001, 3, 733-740.	1.5	5
701	Various lacunary polyoxometalates: cluster molecule crystals as new designable, inorganic, second-order nonlinear optical materials. , 0, , .		0
702	Crystal Structure of a Chalcone Derivative. Molecular Crystals and Liquid Crystals, 2001, 369, 145-152.	0.3	1
703	Nonlinear Optical Crystals Designed with 4-Nitrophenolate Chromophores: An Engineering Route using a Multidipolar Chromophore, 3-Hydroxy-2,4,6-Trinitrophenolate. Molecular Crystals and Liquid Crystals, 2001, 356, 1-13.	0.3	4
704	Triboluminescence of 3,6-Dibromocarbazole. Japanese Journal of Applied Physics, 2001, 40, 1294-1296.	0.8	18
705	The $\hat{\rho}$ phase transition in the energetic nitramine-octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine: Kinetics. Journal of Chemical Physics, 2002, 117, 3789-3798.	1.2	99
706	Optical second order nonlinearity of transparent Ba ₂ TiGe ₂ O ₈ crystallized glasses. Applied Physics Letters, 2002, 81, 223-225.	1.5	86
707	Growth of KTiOPO ₄ Films on KTi _{1-x} GexOPO ₄ Substrates by Liquid-phase Epitaxy. Journal of Materials Research, 2002, 17, 563-569.	1.2	11
708	New Semiorganic Material for Optical Second Harmonic Generation : Glycine Sodium Nitrate. Journal of Optics (India), 2002, 31, 159-167.	0.8	0
709	Crystal Structure and Properties of a New Organic Nonlinear Optical Material. Journal of Materials Research, 2002, 17, 1587-1591.	1.2	18

#	ARTICLE	IF	CITATIONS
710	Modification of the nonlinear optical, dielectric, and structural properties of p-nitroaniline and 2-methyl-4-nitroaniline crystals through recrystallization under a strong dc electric field. , 2002, , .		0
711	A Chiral Lead Borate Containing Infinite and Finite Chains Built up from BO ₄ and BO ₃ Units. Chemistry of Materials, 2002, 14, 1314-1318.	3.2	95
712	Near-Field Imaging of Nonlinear Optical Mixing in Single Zinc Oxide Nanowires. Nano Letters, 2002, 2, 279-283.	4.5	305
713	X-ray Structures and Emissive and Second-Order Nonlinear Optical Properties of Two Inorganic-Organic Polymeric Adducts of CuI with 4-Acetylpyridine. The Role of Both σ -Intrastrand π -Charge Transfers and Structural Motifs on the Nonlinear Optical Response of Cu(I) Polymeric Adducts with Pseudoaromatic 1,1-Nitrogen Donor Ligands. Chemistry of Materials, 2002, 14, 5116-5123.	3.2	50
714	New Schiff base zinc(ii) complexes exhibiting second harmonic generation. Dalton Transactions RSC, 2002, , 83-86.	2.3	67
715	New Selenites: Syntheses, Structures, and Characterization of Centrosymmetric Al ₂ (Se ₂ O ₅) ₃ and Ga ₂ (Se ₂ O ₅) ₃ and Non-centrosymmetric In ₂ (Se ₂ O ₅) ₃ . Chemistry of Materials, 2002, 14, 2360-2364.	3.2	64
716	Synthesis, Structure, and Characterization of a New Second-Harmonic-Generating Tellurite: Na ₂ TeW ₂ O ₉ . Chemistry of Materials, 2002, 14, 3174-3180.	3.2	215
717	Further Evidence for the Tetraoxoiodate(V) Anion, IO ₄ ³⁻ : Hydrothermal Syntheses and Structures of Ba[(MoO ₂) ₆ (IO ₄) ₂ O ₄]·H ₂ O and Ba ₃ [(MoO ₂) ₂ (IO ₆) ₂]·2H ₂ O. Inorganic Chemistry, 2002, 41, 2697-2703.	1.9	48
718	Structural Modulation of Molybdenyl Iodate Architectures by Alkali Metal Cations in AMoO ₃ (IO ₃) (A = Tl, Et, Q, Rb, Cs). Journal of Materials Chemistry, 2002, 12, 1951-1957.	6.6	320
719	New One-Dimensional Vanadyl Iodates: Hydrothermal Preparation, Structures, and NLO Properties of A[VO ₂ (IO ₃) ₂] (A = K, Rb) and A[(VO) ₂ (IO ₃) ₃ O ₂] (A = NH ₄ , Rb, Cs). Chemistry of Materials, 2002, 14, 2741-2749.	3.2	154
720	Crystal Engineering of NLO Materials Based on Metal-Organic Coordination Networks. Accounts of Chemical Research, 2002, 35, 511-522.	7.6	2,432
721	Synthesis, Structures, and Magnetic Properties of a Series of Lanthanum(III) and Gadolinium(III) Complexes with Chelating Benzimidazole-Substituted Nitronyl Nitroxide Free Radicals. Evidence for Antiferromagnetic Gd(III) Radical Interactions. Inorganic Chemistry, 2002, 41, 3375-3384.	1.9	87
722	A new class of three dimensional π -conjugated trigonal cryptand derivatives for second-order nonlinear optics. Journal of Materials Chemistry, 2002, 12, 2237-2244.	6.7	8
723	Nonlinear Optically Active Polymeric Coordination Networks Based on Metal m-Pyridylphosphonates. Inorganic Chemistry, 2002, 41, 4978-4980.	1.9	96
724	From Linear Inorganic Chains to Helices: Chirality in the M(py ₂)(H ₂ O) ₂ MoO ₂ F ₄ (M = Zn, Cd) Compounds. Inorganic Chemistry, 2002, 41, 4852-4858.	1.9	62
725	Synthesis and X-ray crystal structures of two new alkaline-earth metal borates: SrBO ₂ (OH) and Ba ₃ B ₆ O ₉ (OH) ₆ . Dalton Transactions RSC, 2002, , 2031-2035.	2.3	31
726	Polynitrile-bridged two-dimensional crystal: Eu(III) complex with strong fluorescence emission and NLO property. Chemical Communications, 2002, , 756-757.	2.2	71
727	Steering molecular dipoles from centrosymmetric to a noncentrosymmetric and SHG active assembly using remote functionality and complexation. Electronic supplementary information (ESI) available: powder SHG variation with particle size for DMEDQ-TPA. See http://www.rsc.org/suppdata/lim/b2/b202804m/ . Journal of Materials Chemistry, 2002, 12, 2792-2797.	6.7	33

#	ARTICLE	IF	CITATIONS
728	The acentric nature of trans-stilbazole crystals and the origin of its NLO response. <i>New Journal of Chemistry</i> , 2002, 26, 13-15.	1.4	17
729	Synthesis, crystal structures, and quadratic nonlinear optical properties in a series of push-pull boronate derivatives. <i>Journal of Materials Chemistry</i> , 2002, 12, 2898-2903.	6.7	48
730	Two Chiral Coordination Polymers: Preparation and X-ray Structures of Mono(4-sulfo-L-phenylalanine)(diaqua) Zinc(II) and Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3323-3326.	1.9	51
731	Structure determination of $\text{La}_3\text{CuGeS}_7$ and $\text{La}_3\text{CuGeSe}_7$. <i>Journal of Alloys and Compounds</i> , 2002, 335, L5-L9.	2.8	43
732	Structural studies of a cubic, high-temperature ($\sqrt{2}$) polymorph of Pb_2GeS_4 and the isostructural $\text{Pb}_{2-x}\text{Sn}_x\text{GeS}_4$ solid solution. <i>Journal of Alloys and Compounds</i> , 2002, 335, 105-110.	2.8	22
733	Glycothermal preparation of potassium niobate ceramic particles under supercritical conditions. <i>Materials Letters</i> , 2002, 55, 121-125.	1.3	38
734	Microhardness and slip systems of solution grown MHB crystals. <i>Materials Letters</i> , 2002, 56, 578-586.	1.3	16
735	Novel nonlinear optical crystals of noncentrosymmetric structure based on hydrogen bonds interactions between organic and inorganic molecules. <i>Synthetic Metals</i> , 2002, 127, 99-104.	2.1	81
736	Hydrothermal Syntheses, Structures, and Properties of the New Uranyl Selenites $\text{Ag}_2(\text{UO}_2)(\text{SeO}_3)_2$, $\text{M}[(\text{UO}_2)(\text{HSeO}_3)(\text{SeO}_3)]$ ($\text{M} = \text{K}, \text{Rb}, \text{Cs}, \text{Tl}$), and $\text{Pb}(\text{UO}_2)(\text{SeO}_3)_2$. <i>Inorganic Chemistry</i> , 2002, 41, 1177-1183.	1.9	82
737	$\text{BaZr}(\text{BO}_3)_2$: a non-centrosymmetric dolomite-type superstructure. <i>Materials Research Bulletin</i> , 2002, 37, 2165-2178.	2.7	18
738	Crystal engineering strategy of thiocyanates for quadratic nonlinear optics. $\text{Hg}_3\text{CdCl}_2(\text{SCN})_6$ and $\text{Hg}_4\text{CdBr}_4(\text{SCN})_6$. <i>Solid State Sciences</i> , 2002, 4, 827-834.	1.5	22
739	$\text{Na}_3\text{La}_9\text{O}_3(\text{BO}_3)_8$, a new oxyborate in the ternary system $\text{Na}_2\text{O}-\text{La}_2\text{O}_3-\text{B}_2\text{O}_3$: preparation and crystal structure. <i>Solid State Sciences</i> , 2002, 4, 993-998.	1.5	64
740	Crystal Growth and Characterization of a New Organometallic Nonlinear-Optical Crystal Material: $\text{MnHg}(\text{SCN})_4(\text{C}_3\text{H}_8\text{O}_2)$. <i>Physica Status Solidi A</i> , 2002, 191, 106-116.	1.7	21
741	Quadratic Nonlinear Optical Properties of N-Aryl Stilbazolium Dyes. <i>Advanced Functional Materials</i> , 2002, 12, 110-116.	7.8	218
742	$\text{Tl}_{1-x}\text{Na}_x\text{Nb}_2\text{PO}_8$ and Related Compounds, Isostructural with $\text{Ca}_{0.5+x}\text{Cs}_2\text{Nb}_6\text{P}_3\text{O}_{24}$. <i>Journal of Solid State Chemistry</i> , 2002, 164, 272-279.	1.4	3
743	Ab Initio Structure Determination of a New Compound, $\sqrt{2}$ - SrGaBO_4 , from Powder X-Ray Diffraction Data. <i>Journal of Solid State Chemistry</i> , 2002, 165, 119-124.	1.4	12
744	Nonlinear optical properties of some derivatives of stilbene and vinyl cyanide. <i>Optical Materials</i> , 2002, 20, 295-299.	1.7	29
745	Temperature-dependent gyration tensor of LiIO_3 single crystal using the high-accuracy universal polarimeter. <i>Journal of Applied Crystallography</i> , 2002, 35, 228-232.	1.9	10

#	ARTICLE	IF	CITATIONS
746	Investigation of the structure and phase transitions in the novel A-site substituted distorted perovskite compound Na _{0.5} Bi _{0.5} TiO ₃ . <i>Acta Crystallographica Section B: Structural Science</i> , 2002, 58, 168-178.	1.8	845
747	Structural characterization and second-order nonlinear optical properties of zinc halide thiosemicarbazone complexes. <i>Polyhedron</i> , 2002, 21, 1217-1222.	1.0	50
748	Synthesis, properties and photochromism of novel charge transfer compounds with Keggin anions and protonated 2,2'-biquinoline. <i>Polyhedron</i> , 2002, 21, 2537-2545.	1.0	64
749	Second-harmonic response of a series of chiral polyesters: A joint experimental and theoretical study. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2868-2877.	2.5	11
750	Solvatochromism, hyperpolarizability, molecular and crystal structure of betaine dye 4-(2,4,6-triphenylpyridinium-1-yl)-phenolate. <i>Journal of Molecular Structure</i> , 2002, 604, 9-18.	1.8	19
751	Chiral organometallic chromophores for nonlinear optics derived from [Fe ₂ (η -5-C ₅ H ₅) ₂ (CO) ₂ (η -1/4-CO)(η -1/4-Ci-CH ₃)] ⁺ [BF ₄] ⁻ . <i>Journal of Organometallic Chemistry</i> , 2002, 655, 70-88.	0.8	19
752	Synthesis and crystal structure of new carbonate NaPb ₂ (CO ₃) ₂ (OH). <i>Crystallography Reports</i> , 2002, 47, 217-222.	0.1	10
753	Growth and characterisation of L-arginine diphosphate crystal. <i>Journal of Crystal Growth</i> , 2002, 243, 356-360.	0.7	45
754	Synthesis and crystal growth of binary organic NLO material UNBA. <i>Journal of Crystal Growth</i> , 2002, 235, 499-504.	0.7	33
755	New nonlinear optical material: glycine sodium nitrate. <i>Journal of Crystal Growth</i> , 2002, 235, 511-516.	0.7	115
756	Growth and characterization of nonlinear optical material, LAHClBr a new member of L-arginine halide family. <i>Journal of Crystal Growth</i> , 2002, 235, 523-528.	0.7	66
757	Crystal growth and physical properties of Cs ₂ Nb ₄ O ₁₁ and Rb ₂ Nb ₄ O ₁₁ single crystals. <i>Journal of Crystal Growth</i> , 2002, 237-239, 703-706.	0.7	12
758	Growth of nonlinear optical β -glycine crystals. <i>Journal of Crystal Growth</i> , 2002, 236, 376-380.	0.7	208
759	Growth, characterization and nonlinear optical property of chalcone derivative. <i>Journal of Crystal Growth</i> , 2002, 242, 209-214.	0.7	153
760	Effect of solvents on the growth morphology and physical characteristics of nonlinear optical β -glycine crystals. <i>Journal of Crystal Growth</i> , 2002, 242, 245-252.	0.7	113
761	Optical properties of WO ₃ doped congruent LiNbO ₃ crystals. <i>Chemical Physics Letters</i> , 2002, 364, 323-327.	1.2	0
762	Nonlinear Optical Properties of Ba ₃ R(BO ₃) ₃ (R = Y, Ho-Lu) Polar Crystals. <i>Inorganic Materials</i> , 2002, 38, 66-68.	0.2	6
763	Piezoelectric and Nonlinear Optical Properties of PbGe ₄ O ₉ Crystals. <i>Inorganic Materials</i> , 2002, 38, 168-171.	0.2	7

#	ARTICLE	IF	CITATIONS
764	Title is missing!. Inorganic Materials, 2002, 38, 819-824.	0.2	7
765	Crystal engineering strategy for quadratic nonlinear optics. Part II: Hg(IO ₃) ₂ . Solid State Sciences, 2003, 5, 359-365.	1.5	35
766	Crystal structure, vibrational spectra and nonlinear optical properties of new melaminium salt: 2,4,6-triamino-1,3,5-triazin-1,3-ium tartrate monohydrate. Solid State Sciences, 2003, 5, 509-518.	1.5	62
767	Crystal structure, vibrational spectra and nonlinear optical properties of tetrakis(2,4,6-triamino-1,3,5-triazin-1-ium) bis(selenate) trihydrate crystal. Solid State Sciences, 2003, 5, 643-652.	1.5	69
768	Growth and properties of UV nonlinear optical crystal ZnCd(SCN) ₄ . Materials Research Bulletin, 2003, 38, 1269-1280.	2.7	19
769	Time-Resolved Second Harmonic Generation Near-Field Scanning Optical Microscopy. ChemPhysChem, 2003, 4, 1243-1247.	1.0	11
770	The Yellow Polymorphs of Mercuric Iodide (HgI ₂). Helvetica Chimica Acta, 2003, 86, 1410-1422.	1.0	35
771	Optical and microhardness studies of semiorganic nonlinear optical material: L- histidine tetrafluoroborate. Crystal Research and Technology, 2003, 38, 986-991.	0.6	47
772	Crystal Engineering with Structurally Flexible 1,1'-Substituted Ferrocenes for Nonlinear Optical Materials. European Journal of Inorganic Chemistry, 2003, 2003, 2311-2317.	1.0	28
773	Quadratic Optical Nonlinearities of N-Methyl and N-Aryl Pyridinium Salts. Advanced Functional Materials, 2003, 13, 347-357.	7.8	161
774	Molecular co-crystals of 2,6-di-t-butyl-4-nitrophenol. Crystal Engineering, 2003, 6, 99-107.	0.7	2
775	Synthesis, crystal structure and second harmonic generation of (DMAPM ⁺)[Cd(DMAP) ₃] ²⁺ . Inorganic Chemistry Communication, 2003, 6, 1375-1377.	1.8	4
776	Syntheses, structures and second-order nonlinear optical properties of octupolar compounds: 2,4,6-tri-substituted s-triazine. Chemical Physics Letters, 2003, 377, 507-511.	1.2	38
777	Synthesis and characterization of a novel polyazomethine ether for NLO application. European Polymer Journal, 2003, 39, 1007-1011.	2.6	44
778	Growth and characterization of a new nonlinear optical l-histidine diphosphate single crystal. Journal of Crystal Growth, 2003, 249, 553-556.	0.7	31
779	Growth and characterization of a new promising NLO L-histidine bromide crystal. Journal of Crystal Growth, 2003, 249, 557-560.	0.7	63
780	Growth aspects of semi-organic nonlinear optical l-arginine tetrafluoroborate single crystals. Journal of Crystal Growth, 2003, 250, 157-161.	0.7	21
781	Growth and characterization of a new nonlinear optical crystal of ammonium borodilactate. Journal of Crystal Growth, 2003, 253, 424-428.	0.7	30

#	ARTICLE	IF	CITATIONS
782	Crystal structure, vibrational spectra and nonlinear optical properties of the orthoarsenic acid-tris-(hydroxymethyl)-aminomethane crystal. <i>Journal of Molecular Structure</i> , 2003, 661-662, 595-601.	1.8	12
783	Growth and optical characterization of organic nonlinear optical crystal: indole-3-aldehyde. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 147-153.	1.9	9
784	YAG laser-induced β -BaB ₂ O ₄ crystalline dot formation in Sm ₂ O ₃ -BaO-B ₂ O ₃ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1179-1184.	1.9	29
785	Characterization of the new Bi ^{1/6} Cu ^{1/6} 2O ₈ (PO ₄) ₅ oxyphosphate; a disordered compound containing 2- and 3-O(Bi, Cu) ₄ tetrahedra wide polycationic ribbons. <i>Journal of Solid State Chemistry</i> , 2003, 172, 327-338.	1.4	31
786	Selective distribution of dopants among MO 6 octahedra in RbTi _{0.927} Nb _{0.056} Er _{0.017} OPO ₄ : a neutron diffraction study. <i>Journal of Solid State Chemistry</i> , 2003, 171, 257-261.	1.4	6
787	Syntheses, structures, and second-harmonic generating properties in new quaternary tellurites: A ₂ TeW ₃ O ₁₂ (A=K, Rb, or Cs). <i>Journal of Solid State Chemistry</i> , 2003, 175, 3-12.	1.4	120
788	Alignment of acentric MoO ₃ F ₃ anions in a polar material: (Ag ₃ MoO ₃ F ₃)(Ag ₃ MoO ₄)Cl. <i>Journal of Solid State Chemistry</i> , 2003, 175, 27-33.	1.4	391
789	New alkali-metal-molybdenum(VI)-selenium(IV) oxides: syntheses, structures, and characterization of A ₂ SeMoO ₆ (A=Na ⁺ , K ⁺ , or Rb ⁺). <i>Journal of Solid State Chemistry</i> , 2003, 174, 441-449.	1.4	65
790	Comparative study of the singularity in the optical properties of congruent doped LiNbO ₃ crystals. <i>Journal of Luminescence</i> , 2003, 102-103, 248-252.	1.5	7
791	X-ray crystal structures, molecular mechanics and quantum chemical calculations, and calculations of the nonlinear optical polarizabilities in the series of monohalogen substituted derivatives of dicyanovinylbenzene. <i>Journal of Molecular Structure</i> , 2003, 650, 1-20.	1.8	13
792	The use of (R)-(+)-1-methylbenzylamine and (S)-(-)-1-methylbenzylamine as chiral moieties to obtain monomers for second harmonic generation crystals. <i>Journal of Molecular Structure</i> , 2003, 648, 115-124.	1.8	2
793	Crystal structure, vibrational spectra and nonlinear optical properties of L-histidinium-L-tartrate hemihydrate. <i>Journal of Molecular Structure</i> , 2003, 656, 265-273.	1.8	87
794	Polarised infrared and Raman studies of K ₄ LiH ₃ (SO ₄) ₄ single crystal. <i>Vibrational Spectroscopy</i> , 2003, 33, 93-104.	1.2	3
795	Spectroscopic and optical studies on pure and doped single crystals of sulphate-mixed l-arginine phosphate monohydrate a nonlinear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 927-935.	2.0	28
796	Second-harmonic generation of a novel transparent material: N,N-diphenyl-8-[2-(4-pyridinyl)ethenyl]-dibenzofuran-2-ylamine. <i>Optical Materials</i> , 2003, 21, 71-74.	1.7	0
797	Crystalline phases and second harmonic intensities in potassium niobium silicate crystallized glasses. <i>Optical Materials</i> , 2003, 22, 71-79.	1.7	54
798	A new self-doubling material: RbTiOPO ₄ :(Nb,Ln). <i>Optical Materials</i> , 2003, 24, 425-430.	1.7	18
799	Two Mercury Chloro Thiocyanate Complexes: NH ₄ [HgCl ₂ (SCN)] and NH ₄ [HgCl(SCN) ₂]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 2516-2520.	0.6	6

#	ARTICLE	IF	CITATIONS
800	Effect of pH on the growth and characterization of L-HFB single crystal. Journal of Crystal Growth, 2003, 254, 461-468.	0.7	29
801	Growth and characterization of nonlinear optical crystal: L-histidinium bromide. Journal of Crystal Growth, 2003, 255, 361-368.	0.7	30
802	Combining Second-Order Jahn-Teller Distorted Cations to Create Highly Efficient SHG Materials: Synthesis, Characterization, and NLO Properties of BaTeM ₂ O ₉ (M = Mo ⁶⁺ or W ⁶⁺). Journal of the American Chemical Society, 2003, 125, 7764-7765.	6.6	443
803	Electric field induced second harmonic generation: Second and third-order hyperpolarizabilities of 4-amino-4'-nitrodiphenyl sulfoxide. Journal of Chemical Physics, 2003, 119, 484-487.	1.2	13
804	Growth and Structural Characterization of Rb ₂ Ti _{1.01} Er _{0.99} (PO ₄) ₃ . Chemistry of Materials, 2003, 15, 204-211.	3.2	22
805	Charge Self-compensation in the Nonlinear Optical Crystals Rb _{0.855} Ti _{0.955} Nb _{0.045} OPO ₄ and RbTi _{0.927} Nb _{0.056} Er _{0.017} OPO ₄ . Chemistry of Materials, 2003, 15, 2338-2345.	3.2	35
806	Hydrothermal Preparation, Structures, and NLO Properties of the Rare Earth Molybdenyl Iodates, RE(MoO ₂)(IO ₃) ₄ (OH) [RE= Nd, Sm, Eu]. Inorganic Chemistry, 2003, 42, 457-462.	1.9	110
807	Second Harmonic Generation in para-Nitroaniline through Recrystallization in a Strong Continuous Electric Field. Crystal Growth and Design, 2003, 3, 445-447.	1.4	1
808	Vibrational Spectra and Second Harmonic Generation in Molecular Complexes of L-Lysine with L-Tartaric, d,l-Malic, Acetic, Arsenous, and Fumaric Acids. Crystal Growth and Design, 2003, 3, 587-592.	1.4	50
809	Ferroelectric Copper Quinine Complexes. Chemistry of Materials, 2003, 15, 4166-4168.	3.2	69
810	The Charge-Transfer Motif in Crystal Engineering. Self-Assembly of Acentric (Diamondoid) Networks from Halide Salts and Carbon Tetrabromide as Electron-Donor/Acceptor Synthons. Journal of the American Chemical Society, 2003, 125, 11597-11606.	6.6	102
811	Crystallization Region, Crystal Growth, and Phase Transitions of KNd(PO ₃) ₄ . Chemistry of Materials, 2003, 15, 5059-5064.	3.2	64
812	Nonlinear Optical Properties of Metal Complexes. , 2003, , 621-687.		45
813	Formation mechanism of ferroelastic Ba ₂ TiGe ₂ O ₈ and second order optical non-linearity in transparent crystallized glasses. Journal of Non-Crystalline Solids, 2003, 316, 320-330.	1.5	49
814	INFRARED SPECTRUM AND NONLINEAR OPTICAL PROPERTIES OF p-NITROANILINE-L-TARTARIC ACID (2:1) MOLECULAR COMPLEX. Journal of Nonlinear Optical Physics and Materials, 2003, 12, 113-121.	1.1	21
815	Growth, Structure, and Properties of Single Crystals of SrBPO ₅ . Chemistry of Materials, 2003, 15, 2218-2221.	3.2	154
816	A novel nonlinear optically active tubular coordination network based on two distinct homo-chiral helices. Chemical Communications, 2003, , 2580.	2.2	180
817	Spectroscopic properties of Er ³⁺ and Eu ³⁺ doped acentric LaBO ₃ and GdBO ₃ . Journal of Applied Physics, 2003, 93, 8987-8994.	1.1	57

#	ARTICLE	IF	CITATIONS
818	Quadratic nonlinear optical properties of novel pyridinium salts. , 2003, , .		1
820	New noncentrosymmetric sulfides promising for high optical nonlinearity. , 0, , .		0
821	Femtosecond pulses in nanophotonics. Physics-Usppekhi, 2004, 47, 687-704.	0.8	51
822	Synthesis, characterization and evaluation of nonlinear optical properties of chiral hydrobenzoin monomers. Designed Monomers and Polymers, 2004, 7, 435-444.	0.7	3
823	Percolation model for structural phase transitions in $\text{Li}_1-x\text{HxIO}_3$ mixed crystals. Physical Review B, 2004, 69, .	1.1	0
824	Large second-order optical nonlinearities of fresnoite-type crystals in transparent surface-crystallized glasses. Journal of Applied Physics, 2004, 95, 3503-3508.	1.1	125
825	$\text{Au}_2(\text{SeO}_3)_2(\text{SeO}_4)$: $\hat{\text{A}}$ Synthesis and Characterization of a New Noncentrosymmetric Selenite $\hat{\text{A}}$ Selenate. Inorganic Chemistry, 2004, 43, 5860-5864.	1.9	48
826	Phase diagram, optical, nonlinear optical, and physicochemical studies of the organic monotectic system: Pentachloropyridine $\hat{\text{A}}$ succinonitrile. Journal of Materials Research, 2004, 19, 1348-1355.	1.2	22
827	Hydrothermal Synthesis of the Deep-UV NLO Material $\text{Sr}_2\text{Be}_2\text{B}_2\text{O}_7$. Materials Research Society Symposia Proceedings, 2004, 848, 76.	0.1	3
828	New Second-Order Nonlinear Octupolar Materials. Molecular Crystals and Liquid Crystals, 2004, 415, 179-195.	0.4	11
829	Random quasi-phase-matching in bulk polycrystalline isotropic nonlinear materials. Nature, 2004, 432, 374-376.	13.7	354
830	Metal wires for terahertz wave guiding. Nature, 2004, 432, 376-379.	13.7	990
831	Synthesis of Oriented $\text{Ba}_2\text{NaNb}_5\text{O}_{15}$ (BNN) Thin Films from an Alkoxy $\hat{\text{A}}$ derived Precursor. Journal of the American Ceramic Society, 1999, 82, 2672-2676.	1.9	7
832	Ferroelectric phase transition in the whitlockite-type $\text{Ca}_9\text{Fe}(\text{PO}_4)_7$; crystal structure of the paraelectric phase at 923 $\hat{\text{A}}$ K. Solid State Sciences, 2004, 6, 185-195.	1.5	49
833	Formation of nonlinear optical $\text{KSm}(\text{PO}_3)_4$ crystals in phosphate glasses by YAG laser irradiation. Solid State Sciences, 2004, 6, 1013-1018.	1.5	27
834	Crystal growth and characterization of 4-nitro-4 $\hat{\text{A}}$ 2-methoxy benzylidene aniline (NMOBA). Materials Chemistry and Physics, 2004, 88, 90-96.	2.0	28
835	First Organophosphorus Nonlinear-Optical Media. Doklady Chemistry, 2004, 394, 34-35.	0.2	0
836	Donating Strength of Azulene in Various Azulen-1-yl-Substituted Cationic Dyes: $\hat{\text{A}}$ Application in Nonlinear Optics. Chemistry of Materials, 2004, 16, 3543-3551.	3.2	88

#	ARTICLE	IF	CITATIONS
837	Second Harmonic Generation Measurements for Biomacromolecules: Celluloses. <i>Optical Review</i> , 2004, 11, 385-387.	1.2	15
838	Diode array pumped, non-linear mirror Q-switched and mode-locked Nd : YVO ₄ laser – a good tool for powder SHG measurement. <i>Pramana - Journal of Physics</i> , 2004, 63, 1003-1010.	0.9	6
839	Ultrasonic measurement of the elastic properties of benzoyl glycine single crystals. <i>Pramana - Journal of Physics</i> , 2004, 62, 87-94.	0.9	5
840	Growth and characterization of a new nonlinear optical semiorganic lithium parnitrophenolate trihydrate (NO ₂ –C ₆ H ₄ –OLi·3H ₂ O) single crystal. <i>Journal of Crystal Growth</i> , 2004, 262, 531-535.	0.7	38
841	Spectral, thermal and SHG studies on phase matchable organic NLO material EDMP for blue-green laser generation. <i>Solid State Communications</i> , 2004, 132, 123-127.	0.9	19
842	Very short O–H hydrogen bond in l-histidinium difluoride. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 695-699.	0.9	5
843	Alkynyl compounds and nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3968-3981.	0.8	128
844	Non-centrosymmetric Ba ₃ Ti ₃ O ₆ (BO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2004, 177, 159-164.	1.4	20
845	Monohydroxy-hydrazone-functionalized thermally crosslinked polymers for nonlinear optics. <i>Journal of Applied Polymer Science</i> , 2004, 92, 770-781.	1.3	2
846	The Lone-Pair Cation I ⁵⁺ in a Hexagonal Tungsten Oxide-Like Framework: Synthesis, Structure, and Second-Harmonic Generating Properties of Cs ₂ I ₄ O ₁₁ . <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5489-5491.	7.2	166
848	Structural, thermal and optical characterizations of a NLO material: L-alaninium oxalate. <i>Crystal Research and Technology</i> , 2004, 39, 259-265.	0.6	65
849	The crystal structure of SrGaBO ₄ . <i>Crystal Research and Technology</i> , 2004, 39, 634-642.	0.6	7
850	MOCVD of KNbO ₃ Ferroelectric Films and their Characterization. <i>Chemical Vapor Deposition</i> , 2004, 10, 318-324.	1.4	21
851	Synthesis of Novel Chiral and Acentric Coordination Polymers by the Reaction of Zinc or Cadmium Salts with Racemic 3-Pyridyl-3-aminopropionic Acid. <i>Chemistry - A European Journal</i> , 2004, 10, 53-60.	1.7	101
852	Spontaneous Resolution through Helical Assembly of a Conformationally Chiral Molecule with an Unusual Zwitterionic Structure. <i>Chemistry - A European Journal</i> , 2004, 10, 2661-2667.	1.7	43
853	Noncentrosymmetric Organic Solids with Very Strong Harmonic Generation Response. <i>Chemistry - A European Journal</i> , 2004, 10, 2386-2390.	1.7	55
854	Unique crystallization and formation of nonlinear optical (Na,K)NbO ₃ phases in (Na,K)NbGeO ₅ glasses. <i>Optical Materials</i> , 2004, 25, 393-400.	1.7	26
855	Synthesis, crystal structure, and second-order nonlinear optical properties of [N,N'-bis(1H-pyrrol-2-ylmethylene)-1,2-benzenediaminato]nickel(II) Schiff base complexes. <i>Inorganica Chimica Acta</i> , 2004, 357, 1161-1167.	1.2	30

#	ARTICLE	IF	CITATIONS
856	Syntheses, structures and properties of three cluster-based coordination polymers: influence of the metal ions on the ligand coordination mode and crystal chirality. <i>Inorganica Chimica Acta</i> , 2004, 357, 1389-1396.	1.2	19
857	Non-linear optically active zinc and cadmium p-pyridinecarboxylate coordination networks. <i>Inorganica Chimica Acta</i> , 2004, 357, 3999-4004.	1.2	19
858	Structure and SHG of the high pressure phase IV of HgBr ₂ . <i>Solid State Communications</i> , 2004, 129, 359-363.	0.9	10
859	Nonlinear optical susceptibilities $\chi^{(2)}$ of nitridosilicate powders. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1285-1290.	1.9	22
860	Organic-MPS3 nanocomposites with large second-order nonlinear optical response. <i>Journal of Luminescence</i> , 2004, 110, 389-395.	1.5	14
861	Stable polymeric materials for nonlinear optics: a review based on azobenzene systems. <i>Progress in Polymer Science</i> , 2004, 29, 45-74.	11.8	538
862	A new nonlinear optical semi-organic material: cadmium thiourea acetate. <i>Journal of Crystal Growth</i> , 2004, 262, 561-566.	0.7	83
863	The structural, thermal and optical characterizations of a new nonlinear optical material. <i>Journal of Crystal Growth</i> , 2004, 263, 466-472.	0.7	16
864	Growth, structural, thermal and optical properties of organic NLO crystal: N-methylglutidone trihydrate. <i>Journal of Crystal Growth</i> , 2004, 265, 284-289.	0.7	7
865	Single crystal growth and characterization of phase-matchable L-arginine maleate: a potential nonlinear optical material. <i>Journal of Crystal Growth</i> , 2004, 269, 333-341.	0.7	25
866	Growth and characterization of Bisthiourea-zinc Acetate, a new nonlinear optical material. <i>Journal of Crystal Growth</i> , 2004, 269, 565-569.	0.7	64
867	Structural and microhardness studies of a NLO material—bisthiourea cadmium chloride. <i>Journal of Crystal Growth</i> , 2004, 269, 558-564.	0.7	49
868	Nucleation, growth and characterization of L-tartaric acid—nicotinamide NLO crystals. <i>Journal of Crystal Growth</i> , 2004, 270, 475-480.	0.7	36
869	Growth and characterization of L-arginine fluoro phosphate—a new additive for fluent growth microbes. <i>Journal of Crystal Growth</i> , 2004, 271, 252-256.	0.7	2
870	Second-order optical nonlinearities of metastable BiBO ₃ phases in crystallized glasses. <i>Optical Materials</i> , 2004, 27, 403-408.	1.7	50
871	A chiral mixed carboxylate, [Nd ₄ (H ₂ O) ₂ (OOC(CH ₂) ₃ COO) ₄ (C ₂ O ₄) ₂], exhibiting NLO properties. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1444-1448.	1.4	33
872	Synthesis, structure and properties of CsHSi ₃ O ₇ , a layered silicate with a chiral structure. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2499-2505.	1.4	10
873	Synthesis, structure and second harmonic generation of novel inorganic—organic hybrid, (p-cyano-1-hydrogenpyridinium) ₂ CdI ₄ . <i>Inorganic Chemistry Communication</i> , 2004, 7, 134-136.	1.8	19

#	ARTICLE	IF	CITATIONS
874	Hydrothermal synthesis, crystal structures of two new transition metal coordination chain polymers with mixed ligands. <i>Inorganic Chemistry Communication</i> , 2004, 7, 851-853.	1.8	22
875	1D chain structure, NLO and luminescence properties of. <i>Inorganic Chemistry Communication</i> , 2004, 7, 1139-1141.	1.8	66
876	Shortest chemical bond length as a criterion for searching new noncentrosymmetric phosphate crystals. <i>Ceramics International</i> , 2004, 30, 2005-2009.	2.3	24
877	Second harmonic generation of p-nitroaniline incorporated on zeolites: relative efficiencies depending on zeolite structure and film orientation. <i>Chemical Physics Letters</i> , 2004, 395, 186-189.	1.2	14
878	<i>Chemical Communications</i> , 2004, , 1046.	2.2	58
879	Design of metal-organic NLO materials: complexes derived from pyridine-3,4-dicarboxylate. <i>New Journal of Chemistry</i> , 2004, 28, 1590.	1.4	52
880	Through space charge transfer and quadratic nonlinear optical (NLO) properties in alternated stacks of 2-amino-1,3-benzothiazole-ethylcoumarin-3-carboxylate charge transfer complexes: from the molecular to the bulk NLO response. <i>New Journal of Chemistry</i> , 2004, 28, 542-547.	1.4	20
881	Helical and network coordination polymers based on a novel C ₂ -symmetric ligand : SHG enhancement through specific metal coordination Electronic supplementary information (ESI) available: experimental, crystallographic and computational details. See http://www.rsc.org/suppdata/cc/b3/b316931f/ . <i>Chemical Communications</i> , 2004, , 1058.	2.2	70
882	Red luminescent polymeric cuprous organosulfide generated by solvothermal redox reaction. <i>Chemical Communications</i> , 2004, , 2578.	2.2	82
883	Crystal Structure, Second Harmonic Generation, and Vibrational Spectroscopy of K ₂ Mg ₂ (SCN) ₆ ·3H ₂ O. <i>Chemistry of Materials</i> , 2004, 16, 4016-4021.	3.2	7
884	K ₂ [Ge(B ₄ O ₉)]·2H ₂ O: A Unique 3D Alternating Linkage Mode of a B ₄ O ₉ Cluster and GeO ₄ Unit in Borogermanate with Two Pairs of Interweaving Double Helical Channels. <i>Inorganic Chemistry</i> , 2004, 43, 6148-6150.	1.9	92
885	Coordination Polymers of Cu(I) with a Chiral Push-Pull Ligand: Hierarchical Network Structures and Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2004, 4, 1223-1227.	1.4	39
886	Measurement of the second-order nonlinear optical coefficient of polymers based on surface plasmon resonance. <i>Journal of Optics</i> , 2004, 6, 1072-1075.	1.5	3
887	Frequency up-conversion of s-triazine derivatives via two photon absorption and second-harmonic generation. <i>Journal of Materials Chemistry</i> , 2004, 14, 2443.	6.7	23
888	A Novel TGS-like Inorganic-Organic Hybrid and a Preliminary Investigation of Its Possible Ferroelectric Behavior. <i>Inorganic Chemistry</i> , 2004, 43, 3768-3770.	1.9	41
889	Phenomenological modeling and design of new acentric crystals for optoelectronics. <i>Computational Materials Science</i> , 2004, 30, 411-418.	1.4	60
890	Synthesis, Structures, and Physical Properties of Copper(II)-Gadolinium(III) Complexes Combining Ferromagnetic Coupling and Quadratic Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2004, 43, 4743-4750.	1.9	96
891	Syntheses, Structures, Second-Harmonic Generating, and Ferroelectric Properties of Tungsten Bronzes: A ₆ M ₂ M ⁸ O ₃₀ (A = Sr ²⁺ , Ba ²⁺ , or Pb ²⁺ ; M = Ti ⁴⁺ , Zr ⁴⁺ , or Hf ⁴⁺ ; M ⁸ = Nb ⁵⁺ or Ta ⁵⁺). <i>Chemistry of Materials</i> , 2004, 16, 3616-3622.	3.2	87

#	ARTICLE	IF	CITATIONS
892	Synthesis and Second-Order Nonlinearities of Chiral Prolinol-Substituted Chromophores. Journal of the Chinese Chemical Society, 2004, 51, 487-492.	0.8	2
893	Photoprocesses in Clay-Organic Complexes. , 2004, , .		4
894	Formation of Langasite-Type Crystals in Corresponding Glasses and Their Second-Order Optical Nonlinearities. Journal of the Ceramic Society of Japan, 2004, 112, 61-64.	1.3	8
896	Noncentrosymmetric coordination networks based on nitrate and acetylenedicarboxylate anions. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, 250-258.	0.4	13
897	Temperature Dependence of Second-Harmonic Intensity and Raman Shift in Langasite-Type Phases. Journal of the Ceramic Society of Japan, 2005, 113, 692-695.	1.3	3
898	Formation and Nonlinear Optical Properties of a Novel Polymeric Cadmium(II) Complex Bridged by Sulfur Ions. Chemistry Letters, 2005, 34, 1186-1187.	0.7	5
899	Soft functional polynuclear coordination compounds containing pyrimidine bridges. Journal of Solid State Chemistry, 2005, 178, 2436-2451.	1.4	69
900	l-lysine-l-tartaric acid: New molecular complex with nonlinear optical properties. Structure, vibrational spectra and phase transitions. Journal of Solid State Chemistry, 2005, 178, 2880-2896.	1.4	58
901	Synthesis of Sm ³⁺ -doped strontium barium niobate crystals in glass by samarium atom heat processing. Journal of Solid State Chemistry, 2005, 178, 3507-3513.	1.4	38
902	X-ray diffraction, spectroscopic and thermal studies on a potential semiorganic NLO material: lithium bis-l-malato borate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 1777-1782.	2.0	23
903	Synthesis and quadratic molecular hyperpolarizabilities of two new chiral boronates: Computational and experimental study. Journal of Organometallic Chemistry, 2005, 690, 3737-3745.	0.8	13
904	Chiral salts for nonlinear optics: Prospects and achievements. Microelectronics Journal, 2005, 36, 933-938.	1.1	3
905	Homochiral helical wavelike (4,4) networks constructed by divalent metal ions and S-carboxymethyl-l-cysteine. Journal of Molecular Structure, 2005, 740, 61-67.	1.8	34
906	A new polar supramolecular 3D framework [Zn(pyzo)(H ₂ O) ₄]pht. Journal of Molecular Structure, 2005, 750, 39-43.	1.8	17
907	Heterovalent cation-substituted Aurivillius phases, Bi ₂ SrNaNb ₂ TaO ₁₂ and Bi ₂ Sr ₂ Nb ₃ xMxO ₁₂ (M=Zr, Tj ETQqO O O rgBT /Overlock 10	1.7	11
908	Ethyl p-amino benzoate (EPAB): A novel organic non-linear optical material for optical devices. Optics Communications, 2005, 251, 172-178.	1.0	19
909	Synthesis, structure, and intense second harmonic generation of β -shaped s-triazine derivative. Optical Materials, 2005, 27, 1571-1575.	1.7	18
910	Optical, thermal and structural characterization of an NLO crystal, l-arginine perchlorate. Journal of Crystal Growth, 2005, 274, 251-255.	0.7	30

#	ARTICLE	IF	CITATIONS
911	Growth and characterization studies of organic NLO crystals of benzimidazole by melt technique. Journal of Crystal Growth, 2005, 275, e1895-e1900.	0.7	15
912	Flux growth and characterization of a new oxyborate crystal Na ₃ La ₉ O ₃ (BO ₃) ₈ . Journal of Crystal Growth, 2005, 275, e1997-e2001.	0.7	41
913	Preparation and characterization of β -BaB ₂ O ₄ nanoparticles via coprecipitation. Journal of Crystal Growth, 2005, 276, 478-484.	0.7	17
914	Growth of nonlinear optical calcium pyroniobate crystal. Journal of Crystal Growth, 2005, 275, 492-495.	0.7	7
915	Studies on the growth and characterization of a NLO active sodium substituted lithium p-nitrophenolate single crystal. Journal of Crystal Growth, 2005, 279, 383-389.	0.7	29
916	Growth and characterization of a new nonlinear optical material: Potassium p-nitrophenolate dihydrate (NO ₂ -C ₆ H ₄ -OK·2H ₂ O) with new bonding properties. Journal of Crystal Growth, 2005, 280, 448-454.	0.7	31
917	Hydrogen bonded nonlinear optical β -glycine: Crystal growth and characterization. Journal of Crystal Growth, 2005, 280, 581-586.	0.7	86
918	Unidirectional seeded single crystal growth from solution of benzophenone. Journal of Crystal Growth, 2005, 280, 467-473.	0.7	167
919	Optical frequency doubling in microtube Czochralski (β -T-CZ) grown benzophenone single crystals. Journal of Crystal Growth, 2005, 281, 596-603.	0.7	16
920	Growth and characterization of new nonlinear optical l-threonium acetate single crystals. Journal of Crystal Growth, 2005, 283, 193-197.	0.7	45
921	Semiorganic NLO material for short-wavelength generation 2-amino-5-nitropyridinium bromide. Journal of Crystal Growth, 2005, 282, 72-78.	0.7	28
922	Synthesis, growth and characterization of a new nonlinear optical crystal sodium acid phthalate. Journal of Crystal Growth, 2005, 282, 429-433.	0.7	42
923	Growth and characterization of single crystal of pentachloropyridine. Journal of Crystal Growth, 2005, 285, 111-116.	0.7	25
924	Growth and characterization of nonlinear optical l-arginine dihydrate single crystals. Journal of Crystal Growth, 2005, 285, 178-182.	0.7	41
925	Studies on acenaphthene (C ₁₂ H ₁₀) single crystals grown by vertical Bridgman technique. Journal of Crystal Growth, 2005, 285, 649-660.	0.7	15
926	Synthesis, characterization and crystal structure of the bimetallic cyano-bridged [(η -5-C ₅ H ₅)(PPh ₃) ₂ Ru(η -4-CN)Ru(PPh ₃) ₂ (η -5-C ₅ H ₅)] [PF ₆]. Inorganica Chimica Acta, 2005, 358, 2482-2488.	1.2	18
927	The chiral structure induced by lone-pair electrons: syntheses and characterization of two novel chiral rare-earth selenites containing homochiral helical chains. Journal of Molecular Structure, 2005, 733, 69-75.	1.8	9
928	Microtube-Czochralski (β -T-CZ) growth of bulk benzophenone single crystal for nonlinear optical applications. Optical Materials, 2005, 27, 1864-1868.	1.7	11

#	ARTICLE	IF	CITATIONS
929	Surface crystallization and second-order optical non-linearity in Gd ₂ O ₃ -Bi ₂ O ₃ -B ₂ O ₃ glasses. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 138-142.	2.8	8
930	Hydrothermal synthesis of KNbO ₃ powders in supercritical water and its nonlinear optical properties. <i>Journal of Supercritical Fluids</i> , 2005, 35, 254-259.	1.6	48
931	Large second-order optical nonlinearities of s-triazine derivatives: View from micro molecules to macro crystals. <i>Science in China Series B: Chemistry</i> , 2005, 48, 203.	0.8	2
932	Crystal and molecular structures of trans-2-(4-dimethylaminobenzylideneacetyl)-5,5-dimethylcyclohexane-1,3-dione. <i>Crystallography Reports</i> , 2005, 50, 400-405.	0.1	0
933	Crystalline Phases and YAG Laser-Induced Crystallization in Sm ₂ O ₃ -Bi ₂ O ₃ -B ₂ O ₃ Glasses. <i>Journal of the American Ceramic Society</i> , 2005, 88, 989-992.	1.9	23
934	Structural, optical and dielectric studies on solution-grown semi-organic l-histidine tetrafluoroborate single crystal. <i>Materials Chemistry and Physics</i> , 2005, 90, 144-147.	2.0	21
935	Optical, mechanical and thermal studies of nonlinear optical crystal l-arginine acetate. <i>Materials Chemistry and Physics</i> , 2005, 91, 343-347.	2.0	50
936	The structural, microhardness and thermal properties of a semiorganic NLO crystal: Lithium parnitrophenolate trihydrate (NO ₂ -C ₆ H ₄ -OLi·3H ₂ O). <i>Materials Chemistry and Physics</i> , 2005, 93, 187-193.	2.0	18
937	Transformation of Dion-Jacobson phase to Aurivillius phase: synthesis of (PbBiO ₂)Mn ₂ O ₇ (M=La, Bi). <i>Materials Research Bulletin</i> , 2005, 40, 39-45.	2.7	9
938	Bi ₄ LnNb ₃ O ₁₅ (Ln=La, Pr, Nd) and Bi ₄ LaTa ₃ O ₁₅ : New intergrowth Aurivillius related phases. <i>Materials Research Bulletin</i> , 2005, 40, 920-927.	2.7	3
939		1.5	54
940	Nonlinear Optical Activity and High Thermal Stability of a New 3D Open-Framework with Interconnected 24-, 16-, and 8-Atom Channels: (NH ₄)Zn[O ₃ PCH(OH)CO ₂]. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3211-3213.	1.0	38
941	Synthesis, Structure, and Spectral Properties of Bis(pyrrol-2-yl)pyridines. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4338-4345.	1.2	27
942	Synthesis, growth and characterization of a new nonlinear optical crystal: l-arginine maleate dihydrate. <i>Crystal Research and Technology</i> , 2005, 40, 778-781.	0.6	36
943	Synthesis, structural and thermal studies of tetrathioureacopper(I) chloride crystals. <i>Crystal Research and Technology</i> , 2005, 40, 805-809.	0.6	6
944	Synthesis and Crystal Growth of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Advanced Functional Materials</i> , 2005, 15, 1072-1076.	7.8	124
945	Vibrational spectral studies of methyl 3-(4-methoxyphenyl)prop-2-enoate, a new organic non-linear optic crystal. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 221-236.	1.2	76
946	Intramolecular charge delocalization and nonlinear optical properties of Methyl 3-(4-methoxy phenyl) prop-2-enoate from vibrational spectra. <i>Laser Physics Letters</i> , 2005, 2, 343-350.	0.6	26

#	ARTICLE	IF	CITATIONS
947	The First Metal (Nd ³⁺ , Mn ²⁺ , and Pb ²⁺) Coordination Compounds of 3,5-Dinitrotyrosine and their Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2005, 11, 988-994.	1.7	51
948	Dielectric response of K(Ta,Nb)O ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 289-293.	1.1	4
949	Two noncentrosymmetric complexes: [W(CO) ₄ (bipy)] and [W(CO) ₄ (phen)] (bipy=2,2'-bipyridine,) <i>Journal of Organometallic Chemistry</i> , 2005, 690, 286-290.	0.8	23
950	Synthesis and nonlinear optical properties of BaTi(BO ₃) ₂ and Ba ₃ Ti ₃ O ₆ (BO ₃) ₂ crystals in glasses with high TiO ₂ contents. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2067-2076.	1.4	20
951	Synthesis and Structural Investigation of a Series of Noncentrosymmetric Cyclohexaphosphates: M(C ₆ H ₅ NH ₃) ₄ P ₆ O ₁₈ ·8H ₂ O (M: Cd, Cu, Co). <i>Structural Chemistry</i> , 2005, 16, 551-558.	1.0	5
952	Nonlinear Optical Properties of β -Arylpyrroles. <i>Doklady Chemistry</i> , 2005, 402, 86-87.	0.2	0
953	Second harmonic generation in boracites. <i>Inorganic Materials</i> , 2005, 41, 393-396.	0.2	5
954	Poly[bis(N-methylformamide)tetrathiocyanato-manganese(II)mercury(II)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, m278-m280.	0.4	3
955	4,5-Bis(furoylsulfanyl)-1,3-dithiole-2-thione. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o583-o585.	0.4	3
956	Do C-H...O and C-H...N interactions help to stabilize a non-centrosymmetric structure for racemic 2,3-dibromo-1,3-diphenylpropan-1-one?. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o728-o730.	0.4	9
957	Polymeric bis(N-methylformamide)tetrathiocyanatocadmium(II)mercury(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1147-m1149.	0.2	4
958	Cadmium mercury selenocyanate, CdHg(SeCN) ₄ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, i111-i112.	0.2	3
959	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium 4-methylbenzenesulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o3237-o3239.	0.2	7
960	Polymorphism of Anhydrous Cadmium Iodate Structure of β -Cd(IO ₃) ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 894-901.	0.6	24
961	Structure and nonlinear optical properties of the HMT-CDA 1:1 adduct: Experimental and DFT approach. <i>International Journal of Quantum Chemistry</i> , 2005, 105, 446-452.	1.0	2
962	Chiral Vicinal Bis(amide) Molecules: Polar/Helical Assemblies in Crystals and Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2005, 5, 1663-1666.	1.4	25
963	Growth and Structural Characterization of Rb ₃ Yb ₂ (PO ₄) ₃ : A New Material for Laser and Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2005, 17, 6746-6754.	3.2	33
964	Studies on Nonlinear Optical Properties of Ferroelectric MgO-LiNbO ₃ Single Crystals. <i>Ferroelectrics</i> , 2005, 323, 165-169.	0.3	8

#	ARTICLE	IF	CITATIONS
965	Gel-melting method for preparation of organically modified siloxane low-melting glasses. <i>Journal of Materials Research</i> , 2005, 20, 1234-1241.	1.2	55
966	Growth and Thermal and Spectral Properties of a New Nonlinear Optical Crystal $\text{TmAl}_3(\text{BO}_3)_4$. <i>Crystal Growth and Design</i> , 2005, 5, 949-952.	1.4	9
967	New infrared nonlinear optical crystal CsGeBr_3 : synthesis, structure and powder second-harmonic generation properties. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7275-7286.	0.7	57
968	Strong enhancement of second-harmonic generation (SHG) response through multi-chiral centers and metal-coordination. <i>Dalton Transactions</i> , 2005, , 1570.	1.6	47
969	Thin films of perfectly polar crystallites with uniaxial orientational ordering. <i>Journal of Materials Chemistry</i> , 2005, 15, 739.	6.7	8
970	First hyperpolarizability of some nonconjugated donor-acceptor 3D molecules: noncentrosymmetric crystal through conformational flexibility. <i>Journal of Materials Chemistry</i> , 2005, 15, 965-973.	6.7	33
971	Raman and X-Ray Scattering Studies of High-Pressure Phases of Urea. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8206-8215.	1.2	35
972	New Structural Motifs, Unusual Quenching of the Emission, and Second Harmonic Generation of Copper(I) Iodide Polymeric or Oligomeric Adducts with Para-Substituted Pyridines or trans-Stilbazoles. <i>Inorganic Chemistry</i> , 2005, 44, 4077-4085.	1.9	119
973	Quest for Second-Harmonic-Generation-Active Coordination Polymers: Synthesis and Properties of Silver(I) Pyrimidinolates. <i>Chemistry of Materials</i> , 2005, 17, 4815-4824.	3.2	22
974	Directed Synthesis of Noncentrosymmetric Molybdates. <i>Crystal Growth and Design</i> , 2005, 5, 1913-1917.	1.4	85
975	Synthesis of the Thioborate Crystal $\text{Zn}_x\text{Ba}_2\text{B}_2\text{S}_5+x(x \approx 0.2)$ for Second Order Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2005, 17, 2046-2051.	3.2	36
976	Two Homochiral Copper(I) Complexes with Strong Luminescence Based on Chiral Phase Transfer Catalysts (PTCs) as Building Blocks. <i>Crystal Growth and Design</i> , 2005, 5, 1603-1608.	1.4	9
977	Crystal Growth, Structural Characterization, and Linear Thermal Evolution of $\text{KGd}(\text{PO}_3)_4$. <i>Chemistry of Materials</i> , 2005, 17, 822-828.	3.2	48
978	Hydrothermal synthesis and structural characterization of a novel NLO compound, $\text{La}(\text{MoO}_2)(\text{OH})(\text{IO}_3)_4$. <i>Journal of Alloys and Compounds</i> , 2005, 396, 255-259.	2.8	44
979	Semi-transparent barium borate surface crystallization for second harmonic generation. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1372-1376.	1.5	8
980	Designing effective nonlinear optical (NLO) materials with chiral substituents. <i>Synthetic Metals</i> , 2005, 155, 384-388.	2.1	10
981	Bismuth Borates: One-Dimensional Borate Chains and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2005, 17, 4174-4180.	3.2	151
982	Melilite-Type Borates $\text{Bi}_2\text{ZnB}_2\text{O}_7$ and $\text{CaBiGaB}_2\text{O}_7$. <i>Chemistry of Materials</i> , 2005, 17, 3130-3136.	3.2	98

#	ARTICLE	IF	CITATIONS
983	New Metal Iodates: Syntheses, Structures, and Characterizations of Noncentrosymmetric La(IO ₃) ₃ and NaYf ₄ O ₁₂ and Centrosymmetric Cs ₂ IO ₄ and Rb ₂ IO ₄ (OH) ₂ ·H ₂ O. <i>Inorganic Chemistry</i> , 2005, 44, 9353-9359.	1.9	116
984	Remote Functionalized Nonlinear Optical Chromophore: Optimal Assembly in Crystals for Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2005, 5, 1831-1836.	1.4	13
985	Synthesis, Crystal Structures, and Nonlinear Optical (NLO) Properties of New Schiff-Base Nickel(II) Complexes. Toward a New Type of Molecular Switch?. <i>Inorganic Chemistry</i> , 2005, 44, 1973-1982.	1.9	115
986	A Solvothermally in Situ Generated Mixed-ligand Approach for NLO-Active Metal-Organic Framework Materials. <i>Inorganic Chemistry</i> , 2005, 44, 4148-4150.	1.9	169
987	Electrochromic conjugated N-salicylidene-aniline (anil) functionalized pyrrole and 2,5-dithienylpyrrole-based polymers. <i>New Journal of Chemistry</i> , 2005, 29, 1128.	1.4	45
988	Design of an Efficient Solution Grown Semiorganic NLO Crystal for Short Wavelength Generation: 2-Amino-5-nitropyridinium Tetrafluoroborate. <i>Crystal Growth and Design</i> , 2005, 5, 1463-1468.	1.4	43
989	One-Dimensional Azido-Bridged Chiral Metal Complexes with Ferromagnetic or Antiferromagnetic Interactions: Syntheses, Structures, and Magnetic Studies. <i>Inorganic Chemistry</i> , 2005, 44, 9039-9045.	1.9	81
990	1D Helix, 2D Brick-Wall and Herringbone, and 3D Interpenetration d ¹⁰ Metal-Organic Framework Structures Assembled from Pyridine-2,6-dicarboxylic Acid N-Oxide. <i>Inorganic Chemistry</i> , 2005, 44, 7161-7170.	1.9	316
991	A Second-Order Nonlinear Optical Material Prepared through In Situ Hydrothermal Ligand Synthesis. <i>Inorganic Chemistry</i> , 2005, 44, 3618-3625.	1.9	153
992	The first ternary tin(II) nitride: NaSnN. <i>Chemical Communications</i> , 2005, , 4190.	2.2	20
993	Nonlinear Optical Crystal Y _x La _y Sc _z (BO ₃) ₄ (x+y+z= 4). <i>Chemistry of Materials</i> , 2005, 17, 2687-2692.	3.2	86
994	Writing of nonlinear optical Sm ₂ (MoO ₄) ₃ crystal lines at the surface of glass by samarium atom heat processing. <i>Journal of Applied Physics</i> , 2005, 97, 123516.	1.1	52
995	Homochiral crystallization of helical coordination chains bridged by achiral ligands: can it be controlled by the ligand structure?. <i>Dalton Transactions</i> , 2005, , 424.	1.6	120
996	SHG Active Salts of 4-Nitrophenolate with H-Bonded Helical Formations: Structure-Directing Role of ortho-Aminopyridines. <i>Crystal Growth and Design</i> , 2005, 5, 721-725.	1.4	53
997	Polymorphism in 1-(4-Fluorophenyl)-3,6,6-trimethyl-2-phenyl-1,5,6,7-tetrahydro-4H-indol-4-one: A Subtle Interplay of Weak Intermolecular Interactions. <i>Crystal Growth and Design</i> , 2005, 5, 1035-1039.	1.4	55
998	A Novel Chiral Cd(II) Coordination Polymer Based on Achiral Unsymmetrical 3-Amino-1,2,4-triazole with an Unprecedented 1 ^{1/4} -Bridging Mode. <i>Crystal Growth and Design</i> , 2006, 6, 2136-2140.	1.4	116
999	Highly Stable Chiral Cadmium 1,2,4-Benzenetricarboxylate: Synthesis, Structure, and NLO and Fluorescence Properties. <i>Inorganic Chemistry</i> , 2006, 45, 2474-2478.	1.9	209
1000	Syntheses and Structures of Four d ¹⁰ Metal-Organic Frameworks Assembled with Aromatic Polycarboxylate and bix [bix = 1,4-Bis(imidazol-1-ylmethyl)benzene]. <i>Crystal Growth and Design</i> , 2006, 6, 530-537.	1.4	260

#	ARTICLE	IF	CITATIONS
1001	Studies on the Growth and Characterization of Asparaginium Picrate (LASP) A Novel Nonlinear Optical Crystal. <i>Crystal Growth and Design</i> , 2006, 6, 1663-1670.	1.4	115
1002	Directed Synthesis of Noncentrosymmetric Molybdates Using Composition Space Analysis. <i>Inorganic Chemistry</i> , 2006, 45, 5529-5537.	1.9	70
1003	Crystal Structure and Optical Characterization of Pure and Nd-Substituted Type III KGd(PO ₃) ₄ . <i>Chemistry of Materials</i> , 2006, 18, 221-228.	3.2	61
1004	Synthesis, Crystal Structure, and Nonlinear Optical Properties of Li ₆ CuB ₄ O ₁₀ : A Congruently Melting Compound with Isolated [CuB ₄ O ₁₀] ₆ -Units. <i>Journal of the American Chemical Society</i> , 2006, 128, 11631-11634.	6.6	219
1005	Growth, Thermal, Spectroscopic, and Optical Studies of Alaninium Maleate, a New Organic Nonlinear Optical Material. <i>Crystal Growth and Design</i> , 2006, 6, 137-140.	1.4	113
1006	Chiral aggregation and spontaneous resolution of thiosemicarbazone metal complexes. <i>Dalton Transactions</i> , 2006, , 2572.	1.6	31
1007	Host-guest complexation of a fluorescent and electrochemical chemsensor for fluoride anion. <i>Dalton Transactions</i> , 2006, , 1271-1276.	1.6	49
1008	Large Quadratic Nonlinear Optical Efficiencies in Pseudosymmetric Streptocyanine Dyes. <i>Chemistry of Materials</i> , 2006, 18, 3674-3681.	3.2	16
1009	Evidence of intermolecular π -stacking enhancement of second-harmonic generation in a family of single chain magnets. <i>Journal of Materials Chemistry</i> , 2006, 16, 2587-2592.	6.7	74
1010	Structural Polarity Induced by Cooperative Hydrogen Bonding and Lone-Pair Alignment in the Molecular Uranyl Iodate Na ₂ [UO ₂ (IO ₃) ₄ (H ₂ O)]. <i>Inorganic Chemistry</i> , 2006, 45, 8251-8257.	1.9	18
1011	Synthesis, growth of organic nonlinear optical crystal: Semicarbazone of 2-amino-5-chloro-benzophenone (S2A5CB) and its characterisation. <i>Journal of Crystal Growth</i> , 2006, 290, 539-543.	0.7	17
1012	Second Harmonic Generation Confocal Microscopy of Collagen Type I from Rat Tendon Cryosections. <i>Biophysical Journal</i> , 2006, 91, 4665-4677.	0.2	151
1013	Crystal structure of M(IO ₃) ₂ metal iodates, twinned by pseudo-merohedry, with MII: MgII, MnII, CoII, NiII and ZnII. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006, 221, .	0.4	50
1014	New Layered Uranium Phosphate Fluorides: Syntheses, Structures, Characterizations, and Ion-Exchange Properties of A(UO ₂)F(HPO ₄) _x H ₂ O (A = Cs ⁺ , Rb ⁺ , K ⁺ ; x = 0~1). <i>Inorganic Chemistry</i> , 2006, 45, 10207-10214.	1.9	85
1015	Synthesis and crystal structure of a new stilbazolium salt with large second-order optical nonlinearity. <i>Journal of Materials Chemistry</i> , 2006, 16, 2839-2842.	6.7	121
1016	Supersaturation and Polarization Dependence of Polymorph Control in the Nonphotochemical Laser-Induced Nucleation (NPLIN) of Aqueous Glycine Solutions. <i>Crystal Growth and Design</i> , 2006, 6, 684-689.	1.4	114
1017	Second-Harmonic Generation within the P212121 Space Group, in a Series of Chiral (Salicylaldiminato)tin Schiff Base Complexes. <i>Chemistry of Materials</i> , 2006, 18, 1174-1183.	3.2	78
1018	Bulk characterization methods for non-centrosymmetric materials: second-harmonic generation, piezoelectricity, pyroelectricity, and ferroelectricity. <i>Chemical Society Reviews</i> , 2006, 35, 710.	18.7	808

#	ARTICLE	IF	CITATIONS
1019	Organic Nonlinear Optical Crystals Based on Configurationally Locked Polyene for Melt Growth. <i>Chemistry of Materials</i> , 2006, 18, 4049-4054.	3.2	105
1020	A Polar Luminescent Zn Polymer Containing an Unusual Noninterpenetrated utp Net. <i>Inorganic Chemistry</i> , 2006, 45, 3161-3163.	1.9	121
1021	Influence of Isoelectric pH on the Growth Linear and Nonlinear Optical and Dielectric Properties of l-Threonine Single Crystals. <i>Crystal Growth and Design</i> , 2006, 6, 1308-1310.	1.4	63
1022	Growth of New Nonlinear Optical Crystals of Hydrochlorides of l-Histidine from Solution. <i>Crystal Growth and Design</i> , 2006, 6, 1876-1880.	1.4	30
1023	Na ₂ Te ₃ Mo ₃ O ₁₆ : A New Molybdenum Tellurite with Second-Harmonic Generating and Pyroelectric Properties. <i>Chemistry of Materials</i> , 2006, 18, 2070-2074.	3.2	224
1024	Tuning the Structural and Magnetic Properties of Thermally Robust Coordination Polymers. <i>Inorganic Chemistry</i> , 2006, 45, 7612-7620.	1.9	31
1025	Second-Harmonic Generation by Ferroelectric Microparticles in Aerogels. <i>Chemistry of Materials</i> , 2006, 18, 1534-1538.	3.2	13
1026	Syntheses, Structures, and Magnetic Properties of Cyano-Bridged Heterobimetallic Complexes Based on [Fe(bpca)(CN) ₃]. <i>Inorganic Chemistry</i> , 2006, 45, 582-590.	1.9	52
1027	Rb ₆ (InCo) ₂ (Si ₉ O ₂₆): A Mixed-Metal Silicate Containing 20-Membered-Ring Silicate Single Layers with a Very Low Si:O Ratio. <i>Inorganic Chemistry</i> , 2006, 45, 2100-2103.	1.9	8
1028	NLO Activity in some non-conjugated 3D triazine derivatives: a non-centrosymmetric crystal through conformational flexibility. <i>Journal of Materials Chemistry</i> , 2006, 16, 496-504.	6.7	26
1029	SHG Active Crystals of a Remote Functionalized Achiral NLO-phore Assembled through Zinc(II) Complexation. <i>Inorganic Chemistry</i> , 2006, 45, 9758-9764.	1.9	21
1030	Second Harmonic Generation from a Homologous Series of Molecular Crystals: Impact of Supramolecular Interactions. <i>Chemistry of Materials</i> , 2006, 18, 2943-2949.	3.2	22
1031	One Dense and Two Open Chiral Metal-Organic Frameworks: Crystal Structures and Physical Properties. <i>Inorganic Chemistry</i> , 2006, 45, 2972-2978.	1.9	137
1032	Structure Determination and Relative Properties of Novel Noncentrosymmetric Borates MM ₄ (BO ₃) ₃ (M = Na, M ²⁺ = Ca and M = K, M ²⁺ = Ca, Sr). <i>Inorganic Chemistry</i> , 2006, 45, 3042-3047.	1.9	73
1033	Phase Transitions and Second-Harmonic Generation in Sodium Monothiophosphate. <i>Inorganic Chemistry</i> , 2006, 45, 2779-2781.	1.9	20
1034	Different Molecular Frameworks of Zinc(II) and Cadmium(II) Coordination Polymers Constructed by Flexible Double Betaine Ligands. <i>Crystal Growth and Design</i> , 2006, 6, 444-450.	1.4	72
1035	A Novel Acentric Three-Dimensional Network with Complicated Topology. <i>Crystal Growth and Design</i> , 2006, 6, 1261-1263.	1.4	26
1036	Assemblies of a New Flexible Multicarboxylate Ligand and d ¹⁰ Metal Centers toward the Construction of Homochiral Helical Coordination Polymers: Structures, Luminescence, and NLO-Active Properties. <i>Inorganic Chemistry</i> , 2006, 45, 174-180.	1.9	320

#	ARTICLE	IF	CITATIONS
1037	Role of Anions in Inducing Noncentrosymmetry in 4-Dimethylaminopyridinium Salts for Quadratic Nonlinear Optics. <i>Crystal Growth and Design</i> , 2006, 6, 1285-1290.	1.4	16
1038	A Comparative Study on Solution- and Bridgman-Grown Single Crystals of Benzimidazole by High-Resolution X-ray Diffractometry, Fourier Transform Infrared, Microhardness, Laser Damage Threshold, and Second-Harmonic Generation Measurements. <i>Crystal Growth and Design</i> , 2006, 6, 1542-1546.	1.4	164
1039	Systematic and design of noncentrosymmetric sulfides and selenides for nonlinear optics. <i>Computational Materials Science</i> , 2006, 37, 507-511.	1.4	25
1040	Morphology and Polymorphism Control of Organic Polyene Crystals by Tailor-made Auxiliaries. <i>Crystal Growth and Design</i> , 2006, 6, 2327-2332.	1.4	38
1041	Synthesis and characterisation of Fe(IO ₃) ₃ nanosized powder. <i>Journal of Alloys and Compounds</i> , 2006, 416, 261-264.	2.8	22
1042	Lead zinc borate, PbZn ₂ (BO ₃) ₂ . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, i11-i12.	0.4	16
1043	Two crystals of doubly protonated melaminium salts: melaminium bis(trifluoroacetate) trihydrate and melaminium bis(trichloroacetate) dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o372-o375.	0.4	16
1044	3-(4-Methoxyphenyl)-1-(4-nitrophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o896-o898.	0.2	14
1045	Cobalt mercury tetraselenocyanate, CoHg(SeCN) ₄ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, i47-i49.	0.2	2
1046	Zinc cadmium selenocyanate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, i88-i90.	0.2	2
1047	1-(4-Bromophenyl)-3-(2,4-dichlorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1710-o1712.	0.2	7
1048	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium 4-chlorobenzenesulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1802-o1804.	0.2	9
1049	1,5-Bis(4-chlorophenyl)penta-1,4-dien-3-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1973-o1975.	0.2	8
1050	2-(4-Hydroxystyryl)-1-methylpyridinium 4-bromobenzenesulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o5494-o5496.	0.2	15
1051	Enhancement of crystalline perfection by organic dopants in ZTS, ADP and KHP crystals as investigated by high-resolution XRD and SEM. <i>Journal of Applied Crystallography</i> , 2006, 39, 784-790.	1.9	175
1052	Single-crystal growth of 4-hydroxy-3-methoxy benzaldehyde by the Bridgman technique and its characterization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 2488-2495.	0.8	10
1053	Quantum chemical study on the electronic structure and second-order nonlinear optical properties of salen-type Schiff bases. <i>Dyes and Pigments</i> , 2006, 70, 91-98.	2.0	32
1054	Construction of two novel 2D layer Mo(W)/Cu/S polymers using bidentate thiolato ligands as linkers. <i>Inorganic Chemistry Communication</i> , 2006, 9, 79-81.	1.8	8

#	ARTICLE	IF	CITATIONS
1055	A new screw shaped coordination compound for crystal engineering: Synthesis, crystal structure and nonlinear optical effect of o-chlorophenylthiourea zinc (II) diacetylacetonate. <i>Inorganic Chemistry Communication</i> , 2006, 9, 986-988.	1.8	5
1056	Coordination and organometallic compounds and inorganic-organic hybrid crystalline materials for second-order non-linear optics. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1210-1233.	9.5	203
1057	Theoretical and experimental study of optical second harmonic generation in new chiral thiolates salts. <i>Chemical Physics</i> , 2006, 330, 387-393.	0.9	7
1058	Structural and electronic contributions to hyperpolarizability in methyl p-hydroxy benzoate. <i>Journal of Molecular Structure</i> , 2006, 785, 43-53.	1.8	388
1059	Synthesis, characterization and nonlinear optical properties in a series of new chiral organotin(IV) Schiff base complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1722-1732.	0.8	51
1060	Crystal growth, thermal and optical studies of nonlinear optical material: Glycine potassium sulphate. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1858-1861.	1.9	30
1061	Studies on some ternary oxyborates of the $\text{Na}_2\text{O} \cdot \text{Me}_2\text{O}_3 \cdot \text{B}_2\text{O}_3$ (Me=rare earth or aluminum) systems: Synthesis, structure and crystal growth. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2834-2849.	1.4	20
1062	Synthesis of nanocrystals in $\text{KNb}(\text{Ge,Si})\text{O}_5$ glasses and chemical etching of nanocrystallized glass fibers. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1821-1829.	1.4	27
1063	Synthesis and crystal structure of a novel ternary oxoborate, PbBiBO_4 . <i>Journal of Solid State Chemistry</i> , 2006, 179, 3191-3195.	1.4	18
1064	Syntheses and crystal structures of two new hydrated borates, $\text{Zn}_8[(\text{BO}_3)_3\text{O}_2(\text{OH})_3]$ and $\text{Pb}[\text{B}_5\text{O}_8(\text{OH})] \cdot 1.5\text{H}_2\text{O}$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3911-3918.	1.4	41
1065	Electronic polarizability and crystallization of $\text{K}_2\text{O} \cdot \text{TiO}_2 \cdot \text{GeO}_2$ glasses with high TiO_2 contents. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3949-3957.	1.4	26
1066	Phase matchable semiorganic NLO material for frequency doubling: L-Arginine tetrafluoroborate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 91-95.	2.0	11
1067	Polarised Raman and infrared spectral analysis of L-alanine oxalate ($\text{C}_5\text{H}_9\text{NO}_6$) a non-linear optical single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 736-743.	2.0	21
1068	Structural, spectral, linear and nonlinear optical properties of new nonlinear optical L-histidinium trichloroacetate crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 1021-1024.	2.0	7
1069	Growth, dielectric and photoconducting studies of tetrathiourea mercury(II) tetrathiocyanato zinc(II) NLO single crystals. <i>Journal of Crystal Growth</i> , 2006, 286, 470-475.	0.7	16
1070	Structural characteristics and second harmonic generation in L-threonine crystals. <i>Journal of Crystal Growth</i> , 2006, 286, 451-456.	0.7	37
1071	Crystal growth, thermal and optical studies on phase matchable new organic NLO material for blue-green laser generation. <i>Journal of Crystal Growth</i> , 2006, 289, 217-223.	0.7	27
1072	2,4,6-trinitrophenol (TNP): An organic material for nonlinear optical (NLO) applications. <i>Journal of Crystal Growth</i> , 2006, 289, 639-646.	0.7	65

#	ARTICLE	IF	CITATIONS
1073	Synthesis, growth and characterization of nonlinear optical crystal: l-tyrosine hydrobromide. Journal of Crystal Growth, 2006, 290, 498-503.	0.7	39
1074	Growth of nonlinear optical crystal $\text{Y}_{0.57}\text{La}_{0.72}\text{Sc}_{2.71}(\text{BO}_3)_4$. Journal of Crystal Growth, 2006, 292, 464-467.	0.7	22
1075	Studies on new NLO crystals in $\text{CdO}-\text{ZnO}-\text{B}_2\text{O}_3$ system. Journal of Crystal Growth, 2006, 292, 458-463.	0.7	9
1076	Growth and characterization of a new nonlinear optical crystal $\text{Ca}_5(\text{BO}_3)_3\text{F}$. Journal of Crystal Growth, 2006, 292, 449-453.	0.7	42
1077	Effect of organic dopants on ZTS single crystals. Journal of Crystal Growth, 2006, 293, 376-381.	0.7	70
1078	Nonlinear optical diglycine hydrochloride: Synthesis, crystal growth and structural characteristics. Journal of Crystal Growth, 2006, 293, 86-92.	0.7	24
1079	Studies on the growth and characterization of benzimidazole single crystals—vertical Bridgman technique. Journal of Crystal Growth, 2006, 293, 318-323.	0.7	13
1080	Growth and characterization of a novel NLO crystal l-histidine hydrofluoride dihydrate (LHHF). Journal of Crystal Growth, 2006, 293, 409-414.	0.7	68
1081	A phase-matchable nonlinear optical material N-(3-nitrophenyl)phthalimide: Synthesis, crystal growth and characterization. Journal of Crystal Growth, 2006, 294, 318-322.	0.7	24
1082	Crystal growth and characterization of new nonlinear optical chalcone derivative: 1-(4-Methoxyphenyl)-3-(3, 4-dimethoxyphenyl)-2-propen-1-one. Journal of Crystal Growth, 2006, 295, 44-49.	0.7	94
1083	Synthesis, crystal growth and studies on non-linear optical property of new chalcones. Journal of Crystal Growth, 2006, 295, 54-59.	0.7	129
1084	Synthesis, growth, and characterization of 4-OCH ₃ -4-nitrochalcone single crystal: A potential NLO material. Journal of Crystal Growth, 2006, 297, 111-116.	0.7	78
1085	Crystal structure of single crystals of nonlinear optical l-histidinium trichloroacetate. Journal of Molecular Structure, 2006, 825, 158-164.	1.8	24
1086	Growth of urea doped benzophenone single crystal for nonlinear optical applications. Optical Materials, 2006, 28, 324-330.	1.7	29
1087	Growth and characterization of amino acid (glycine and valine) substituted l-arginine diphosphate single crystals. Optical Materials, 2006, 29, 173-179.	1.7	25
1088	Optical behaviour of VTE treated near stoichiometric LiNbO_3 crystals. Solid State Communications, 2006, 137, 283-287.	0.9	27
1089	Potassium bromo-borate $\text{K}_3[\text{B}_6\text{O}_{10}]\text{Br}$ —A new nonlinear optical material. Crystallography Reports, 2006, 51, 225-230.	0.1	55
1090	A new nonlinear optical borate, $\text{Na}_{0.5}\text{Pb}_2[\text{B}_5\text{O}_9](\text{OH})_{1.5} \cdot 0.5\text{H}_2\text{O}$, from the orthorhombic hilgardite family. Crystallography Reports, 2006, 51, 395-400.	0.1	5

#	ARTICLE	IF	CITATIONS
1091	Maltol tosylate and triflate possessing nonlinear optical properties. <i>Chemistry of Heterocyclic Compounds</i> , 2006, 42, 1484-1485.	0.6	1
1092	The role of phase-matching and nanocrystal-size effects in three-wave mixing and CARS processes in porous gallium phosphide. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 303-308.	1.1	13
1093	Crystallization of langasite-type phases in gallium germanate glasses and optical properties of crystallized glasses. <i>Optical Materials</i> , 2006, 28, 1129-1135.	1.7	3
1094	Investigations on the local structures of Cr ³⁺ (3d ³) and Nd ³⁺ (4f ³) ions at the trigonal Bi ³⁺ sites in Bi ₄ Ge ₃ O ₁₂ . <i>Optical Materials</i> , 2006, 28, 1095-1100.	1.7	16
1095	Extended networks, porous sheets, and chiral frameworks. Thorium materials containing mixed geometry anions: Structures and properties of Th(SeO ₃)(SeO ₄), Th(IO ₃) ₂ (SeO ₄)(H ₂ O) ₃ ·H ₂ O, and Th(CrO ₄)(IO ₃) ₂ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 1192-1201.	1.4	42
1096	New potential materials for infrared nonlinear optics. Preparation, characterisation and optical transparency of monometallic and bimetallic iodates. <i>Solid State Sciences</i> , 2006, 8, 1466-1472.	1.5	44
1097	Growth and characterization of pure, benzophenone and iodine doped benzoyl glycine single crystals. <i>Materials Chemistry and Physics</i> , 2006, 97, 501-505.	2.0	29
1098	Conglomerate-to-True-Racemate Reversible Solid-State Transition in Crystals of an Organic Disulfide-Based Iodoplumbate. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2100-2103.	7.2	99
1099	A New Non-Centrosymmetric Modification of BiB ₃ O ₆ . <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8239-8241.	7.2	84
1100	Growth of benzophenone single crystals from solution: A novel approach with 100% solute - crystal conversion efficiency. <i>Crystal Research and Technology</i> , 2006, 41, 225-230.	0.6	21
1101	Photoacoustic study of the thermal and optical properties of hippuric acid. <i>Crystal Research and Technology</i> , 2006, 41, 481-486.	0.6	8
1102	Crystal growth, optical, mechanical and electrical properties of organic NLO material l ³ -glycine. <i>Crystal Research and Technology</i> , 2006, 41, 671-677.	0.6	81
1103	Influence of La ³⁺ ions on growth and NLO properties of KDP single crystals. <i>Crystal Research and Technology</i> , 2006, 41, 678-682.	0.6	41
1104	Crystallization of benzimidazole by solution growth method and its characterization. <i>Crystal Research and Technology</i> , 2006, 41, 784-789.	0.6	55
1105	Growth and characterization of semicarbazone of cyclohexanone. <i>Crystal Research and Technology</i> , 2006, 41, 807-811.	0.6	4
1106	Crystallization and characterization of nonlinear optical l-histidinium dihydrogen orthophosphate orthophosphoric acid single crystal. <i>Crystal Research and Technology</i> , 2006, 41, 997-1001.	0.6	5
1107	Growth and characterization of dichloro tetrakis thiourea nickel single crystals. <i>Crystal Research and Technology</i> , 2006, 41, 1082-1088.	0.6	31
1108	Growth and characterization of glycine lithium sulphate single crystal. <i>Crystal Research and Technology</i> , 2006, 41, 1184-1188.	0.6	47

#	ARTICLE	IF	CITATIONS
1109	Growth and properties of an organometallic nonlinear optical crystal: bis(isothiocyanato)-bis(4-methylpyridine)zinc(II) (Zn(SCN) ₂ (C ₆ H ₇ N) ₂). Crystal Research and Technology, 2006, 41, 1226-1230.	0.6	6
1110	Polar Cofacially Fixed Sandwich Complexes: Do They Demonstrate Second Harmonic Generation (SHG)?. European Journal of Inorganic Chemistry, 2006, 2006, 857-867.	1.0	12
1111	Design, Crystal Growth, Characterization, and Second-Order Nonlinear Optical Properties of Two New Three-Dimensional Coordination Polymers Containing Selenocyanate Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 2900-2907.	1.0	24
1112	A ZnII-Based Chiral Crystalline Nanotube. European Journal of Inorganic Chemistry, 2006, 2006, 3532-3536.	1.0	50
1113	NIR-FT Raman, FT-IR and surface-enhanced Raman scattering spectra of organic nonlinear optic material:p-hydroxy acetophenone. Journal of Raman Spectroscopy, 2006, 37, 508-519.	1.2	98
1114	Vibrational spectral studies and the non-linear optical properties of a novel NLO materialL-prolinium tartrate. Journal of Raman Spectroscopy, 2006, 37, 1427-1441.	1.2	25
1117	Supramolecular Ordered Organic Thin Films for Nonlinear Optical and Optoelectronic Applications. Advanced Functional Materials, 2006, 16, 180-188.	7.8	33
1119	Crystal structure and vibrational analyses of nonlinear optical L-histidinium trifluoroacetate single crystals. Main Group Chemistry, 2006, 5, 191-202.	0.4	1
1120	Nonlinear optical co-crystal of analogous polyene chromophores with tailored physical properties. Chemical Communications, 2006, , 3729-3731.	2.2	22
1121	Epitaxy, texturing, and second-harmonic generation inBiFeO ₃ thin films. Physical Review B, 2006, 73, .	1.1	26
1122	GROWTH AND CHARACTERIZATION OF A NEW SEMI-ORGANIC NON-LINEAR OPTICAL CRYSTAL L-ARGININE HYDROCHLOROFLUORIDE MONOHYDRATE (LAHCIF). Surface Review and Letters, 2006, 13, 803-808.	0.5	7
1123	Infrared properties of CsGe(BrxCl _{1-x}) ₃ , nonlinear optical rhombohedral semiconductor. Journal of Physics Condensed Matter, 2007, 19, 476209.	0.7	10
1124	Modified triphenylmethane dye for the efficient nonlinear generation of light in nanostructured materials. Applied Physics Letters, 2007, 91, .	1.5	8
1125	Effect of Processing Parameters of KNbO ₃ Powder Prepared from Aqueous Solution of Layered Perovskite. Ferroelectrics, 2007, 356, 215-219.	0.3	5
1126	Synthesis, Characterization and Crystal Structure of 2-[(E)-2-(4-Hydroxy-3-methoxyphenyl)ethenyl]-1-methylquinolinium 4-chlorobenzenesulfonate. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X27-X28.	0.1	4
1127	Crystal and Molecular Structures of 2-[(E)-2-(4-Hydroxy-3-methoxyphenyl)ethenyl]-1-methylquinolinium 4-methoxybenzenesulfonate. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X81-X82.	0.1	4
1128	Crystal structure and luminescence properties of a novel promising phosphor Ba ₃ ScB ₉ O ₁₈ . Powder Diffraction, 2007, 22, 328-333.	0.4	12
1129	Laser-induced crystallization of $\hat{\rho}^2\hat{\alpha}^2$ -RE ₂ (MoO ₄) ₃ ferroelectrics (RE: Sm, Gd, Dy) in glasses and their surface morphologies. Journal of Non-Crystalline Solids, 2007, 353, 85-93.	1.5	29

#	ARTICLE	IF	CITATIONS
1130	LiMoO ₃ (IO ₃): A new molybdenyl iodate based on WO ₃ -type sheets with large SHG response. <i>Journal of Alloys and Compounds</i> , 2007, 428, 54-58.	2.8	75
1131	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 2007, 19, 3512-3518.	3.2	107
1133	Growth and Characterization of Disodium Hydrogen Orthophosphate (DSHP) Single Crystals. <i>Materials and Manufacturing Processes</i> , 2007, 22, 379-383.	2.7	13
1134	Critical Role of Water Content in the Formation and Reactivity of Uranium, Neptunium, and Plutonium Iodates under Hydrothermal Conditions: Implications for the Oxidative Dissolution of Spent Nuclear Fuel. <i>Inorganic Chemistry</i> , 2007, 46, 3663-3668.	1.9	28
1135	Synthesis and Growth of Triaquaglycinesulfatozinc(II), [Zn(SO ₄)(C ₂ H ₅ NO ₂)(H ₂ O) ₃], a New Semiorganic Nonlinear Optical Crystal. <i>Crystal Growth and Design</i> , 2007, 7, 348-353.	1.4	51
1136	Polyfunctional Inorganic-Organic Hybrid Materials: An Unusual Kind of NLO Active Layered Mixed Metal Oxalates with Tunable Magnetic Properties and Very Large Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2007, 129, 9410-9420.	6.6	96
1137	Effect of Sodium Fluoroborate (NaBF ₄) Doping on the NLO Properties of L-Histidine Single Crystals. <i>Crystal Growth and Design</i> , 2007, 7, 1695-1698.	1.4	21
1138	Sequential Self-Organization of Silver(I) Layered Materials with Strong SHG by J Aggregation and Intercalation of Organic Nonlinear Optical Chromophores through Mechanochemical Synthesis. <i>Chemistry of Materials</i> , 2007, 19, 3704-3711.	3.2	55
1139	Type structure, which is composed of organic diammonium, triiodide and hexaiodobismuthate, varies according to different structures of incorporated cations. <i>CrystEngComm</i> , 2007, 9, 298.	1.3	45
1140	Pressure-Induced Crystallization and Characterization of the Tin Borate $\hat{1}^2$ -SnB ₄ O ₇ . <i>Chemistry of Materials</i> , 2007, 19, 254-262.	3.2	62
1141	New Organic Nonlinear Optical Verbenone-Based Triene Crystal for Terahertz Applications. <i>Crystal Growth and Design</i> , 2007, 7, 2517-2521.	1.4	28
1142	Synthesis and characterization of bis(ferrocenylcarboxylato)telluranes. <i>Canadian Journal of Chemistry</i> , 2007, 85, 534-539.	0.6	6
1143	Metallacrown-based compartments: selective encapsulation of three isonicotinate anions in non-centrosymmetric solids. <i>Chemical Communications</i> , 2007, , 1148.	2.2	58
1144	Low valent phosphorus in the molecular anions [P ₅ Se ₁₂] ⁵⁻ and $\hat{1}^2$ -[P ₆ Se ₁₂] ⁴⁻ : phase change behavior and near infrared second harmonic generation. <i>Chemical Communications</i> , 2007, , 4998.	2.2	38
1145	Syntheses, structures, and optical properties of novel zinc(ii) complexes with multicarboxylate and N-donor ligands. <i>Dalton Transactions</i> , 2007, , 4302.	1.6	187
1146	Ambient-Pressure Synthesis of SHG-Active Eu ₂ Ti ₂ O ₇ with a [110] Layered Perovskite Structure: Suppressing Pyrochlore Formation by Oxidation of Perovskite-Type EuTiO ₃ . <i>Chemistry of Materials</i> , 2007, 19, 1883-1885.	3.2	26
1147	Cation-Anion Interactions and Polar Structures in the Solid State. <i>Journal of the American Chemical Society</i> , 2007, 129, 13963-13969.	6.6	178
1148	Thermal, Optical, and Electrical Properties of Gel Grown ZMTC. <i>Materials and Manufacturing Processes</i> , 2007, 22, 351-356.	2.7	5

#	ARTICLE	IF	CITATIONS
1149	Synthesis and Structure of [C ₂ H ₁₀ N ₂][B ₅ O ₈ (OH)]: A Nonmetal Pentaborate with Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2007, 7, 1246-1250.	1.4	51
1150	Light propagation in optical crystal powders: effects of particle size and volume filling factor. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 4562-13.	0.7	8
1151	Na ₃ [Ti ₂ P ₂ O ₁₀ F]: A New Oxyfluorinated Titanium Phosphate with an Ionic Conductive Property. <i>Chemistry of Materials</i> , 2007, 19, 942-947.	3.2	22
1152	Helical Polymer 1/2[P ₂ Se ₆]: A Strong Second Harmonic Generation Response and Phase-Change Properties of Its K and Rb Salts. <i>Journal of the American Chemical Society</i> , 2007, 129, 14996-15006.	6.6	114
1153	Flexible Ligand, Structural, and Topological Diversity: Isomerism in Zn(NO ₃) ₂ Coordination Polymers. <i>Crystal Growth and Design</i> , 2007, 7, 1863-1867.	1.4	91
1154	Yb:Ta:RbTiOPO ₄ , A New Strategy to Further Increase the Lanthanide Concentration in Crystals of the KTiOPO ₄ Family. <i>Chemistry of Materials</i> , 2007, 19, 4069-4076.	3.2	11
1155	Nonlinear Optical Properties of Ln ₂ Ti ₂ O ₇ (Ln = La, Pr, Nd) Oxides. <i>Siberian Russian Workshop and Tutorial on Electron Devices and Materials</i> , 2007, , .	0.0	1
1156	Polyoxomolybdenum(V/VI) Sulfite Compounds: Synthesis, Structural, and Physical Studies. <i>Inorganic Chemistry</i> , 2007, 46, 6002-6010.	1.9	26
1157	Bulk Growth and Characterization of Semi-Organic Nonlinear Optical Bis Thiourea Bismuth Chloride Single Crystals. <i>Crystal Growth and Design</i> , 2007, 7, 501-505.	1.4	53
1158	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of New Stilbazolium Salts. <i>Crystal Growth and Design</i> , 2007, 7, 83-86.	1.4	46
1159	Construction of Metal-Organic Frameworks (M = Cd(II), Co(II), Zn(II), and Cu(II)) Based on Semirigid Oxadiazole Bridging Ligands by Solution and Hydrothermal Reactions. <i>Crystal Growth and Design</i> , 2007, 7, 1058-1068.	1.4	55
1160	Organometallic Complexes for Optoelectronic Applications. , 2007, , 101-194.		48
1161	Polymorphism, crystal growth and characterization of an organic nonlinear optical material: DAPSH. <i>CrystEngComm</i> , 2007, 9, 772.	1.3	36
1162	Metal-organic frameworks constructed from mixed-ligand 1,2,3,4-tetra-(4-pyridyl)-butane and benzene-polycarboxylate acids: syntheses, structures and physical properties. <i>CrystEngComm</i> , 2007, 9, 915.	1.3	153
1163	Highly Stable Diamondoid Network Coordination Polymer [Mn(NCP) ₂] _n with Notable NLO, Magnetic, and Luminescence Properties. <i>Crystal Growth and Design</i> , 2007, 7, 2262-2264.	1.4	81
1164	High-Quality Organic Single Crystalline Thin Films for Nonlinear Optical Applications by Vapor Growth. <i>Crystal Growth and Design</i> , 2007, 7, 402-405.	1.4	27
1165	Two New Noncentrosymmetric Polar Oxides: Synthesis, Characterization, Second-Harmonic Generating, and Pyroelectric Measurements on TlSeVO ₅ and TlTeVO ₅ . <i>Chemistry of Materials</i> , 2007, 19, 4710-4715.	3.2	109
1166	(NH ₄) ₂ Te ₂ WO ₈ : A New Polar Oxide with Second-Harmonic Generating, Ferroelectric, and Pyroelectric Properties. <i>Chemistry of Materials</i> , 2007, 19, 5637-5641.	3.2	83

#	ARTICLE	IF	CITATIONS
1167	Structure and Physical Properties of the Polar Oxysulfide CaZnOS. <i>Inorganic Chemistry</i> , 2007, 46, 2571-2574.	1.9	114
1168	Structural Variation from 1D to 3D: Effects of Ligands and Solvents on the Construction of Lead(II)-Organic Coordination Polymers. <i>Chemistry - A European Journal</i> , 2007, 13, 3248-3261.	1.7	280
1169	Rational Design of MOFs Constructed from Modified Aromatic Amino Acids. <i>Chemistry - A European Journal</i> , 2007, 13, 9399-9405.	1.7	51
1170	Cation-Dependent Nonlinear Optical Behavior in an Octupolar 3D Anionic Metal-Organic Open Framework. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6301-6304.	7.2	158
1171	Molecule-Based Ferroelectric Thin Films: Mononuclear Lanthanide Enantiomers Displaying Room-Temperature Ferroelectric and Dielectric Properties. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6820-6823.	7.2	96
1173	New Organic Nonlinear Optical Polyene Crystals and Their Unusual Phase Transitions. <i>Advanced Functional Materials</i> , 2007, 17, 1750-1756.	7.8	57
1174	Growth and characterization of L-histidine hydrochloride monohydrate single crystals. <i>Crystal Research and Technology</i> , 2007, 42, 59-64.	0.6	52
1175	A novel metal-organic coordination complex crystal: tris allylthiourea zinc bromide (ATZB) as a nonlinear optical material. <i>Crystal Research and Technology</i> , 2007, 42, 65-68.	0.6	10
1176	Synthesis, growth and characterization of single crystals of pure and thiourea doped L-glutamic acid hydrochloride. <i>Crystal Research and Technology</i> , 2007, 42, 78-83.	0.6	21
1177	Growth and characterization of semi organic nonlinear optical LHPCL crystals. <i>Crystal Research and Technology</i> , 2007, 42, 180-185.	0.6	21
1178	Photoacoustic studies on two new organic NLO materials: L-threonine and L-prolinium tartrate. <i>Crystal Research and Technology</i> , 2007, 42, 190-194.	0.6	20
1179	Polymeric metal-organic octupolar NLO materials: lithium(I) and sodium(I) 3,5-dinitrobenzoates. <i>Crystal Research and Technology</i> , 2007, 42, 201-206.	0.6	12
1180	Growth and characterization of nonlinear optical zinc hydrogen phosphate single crystal grown in silica gel. <i>Crystal Research and Technology</i> , 2007, 42, 344-348.	0.6	31
1181	Growth and characterization of L-prolinium tartrate - A new organic NLO material. <i>Crystal Research and Technology</i> , 2007, 42, 471-476.	0.6	102
1182	Growth and characterization of doped hippuric acid crystals for NLO devices. <i>Crystal Research and Technology</i> , 2007, 42, 607-612.	0.6	16
1183	Growth and characterization of the nonlinear optical crystal: L-arginine trifluoroacetate. <i>Crystal Research and Technology</i> , 2007, 42, 812-816.	0.6	26
1184	Investigations on nucleation, thermodynamical parameters and growth of Benzimidazole crystals from low temperature solution. <i>Crystal Research and Technology</i> , 2007, 42, 995-1001.	0.6	2
1185	Synthesis, growth and characterization of L-histidinium acetate dihydrate single crystals. <i>Crystal Research and Technology</i> , 2007, 42, 895-898.	0.6	1

#	ARTICLE	IF	CITATIONS
1186	Investigations on the growth, optical behaviour and factor group of an NLO crystal: L-alanine alaninium nitrate. <i>Crystal Research and Technology</i> , 2007, 42, 1097-1103.	0.6	43
1187	Potential 1,1'-binaphthyl NLO-phores with extended conjugation between positions 2 and 6, and 2'' and 6''.	0.7	8
1188	Intrinsic hyperpolarizability of 3-dicyanomethylene-5,5-dimethyl-1-[2-(4-hydroxyphenyl)ethenyl]-cyclohexene nanocrystallites incorporated into the photopolymer matrices. <i>Chemical Physics Letters</i> , 2007, 443, 309-312.	1.2	70
1189	Nonlinear polarimetry of molecular crystals down to the nanoscale. <i>Comptes Rendus Physique</i> , 2007, 8, 165-179.	0.3	42
1190	Synthesis, crystal structure and nonlinear optical property of cadmium(II) and copper(II) complexes with novel chiral ligand. <i>Inorganic Chemistry Communication</i> , 2007, 10, 432-436.	1.8	8
1191	L-Cystine hydrochloride: A novel semi-organic nonlinear optical material for optical devices. <i>Optics Communications</i> , 2007, 269, 230-234.	1.0	71
1192	Growth and characterization of nonlinear optical crystal zinc tris (thiourea) sulphate in presence of l-arginine. <i>Optical Materials</i> , 2007, 30, 508-512.	1.7	50
1193	One-dimensional azido-bridged chiral copper(II) coordination polymers: Syntheses, structures and magnetic studies. <i>Inorganica Chimica Acta</i> , 2007, 360, 2875-2880.	1.2	11
1194	Structures and nonlinear optical properties of molecular crystals DMCC and DBCC. <i>Journal of Molecular Structure</i> , 2007, 871, 1-5.	1.8	2
1195	Nonlinear-optical bis(3-hydroxy-2-methyl-4H-pyran-4-onato) complexes of metals. <i>Mendeleev Communications</i> , 2007, 17, 154-155.	0.6	4
1196	Synthesis, crystal structures, and optical properties of a novel imidazole derivative and its Zn(II) complex. <i>Journal of Molecular Structure</i> , 2007, 829, 202-207.	1.8	17
1197	Metal-controlled assembly tuning the topology and dimensionality of coordination polymers of Ag(I), Cd(II) and Zn(II) with the flexible 2-(1H-imidazole-1-yl)acetic acid (Hima). <i>Journal of Molecular Structure</i> , 2007, 831, 61-68.	1.8	31
1198	Growth and characterization of a new organic NLO material: Glycine nitrate. <i>Optics Communications</i> , 2007, 278, 434-438.	1.0	48
1199	Photoconductivity and dielectric studies on NLO active NPNa and NPLi single crystals. <i>Optical Materials</i> , 2007, 29, 827-832.	1.7	58
1200	Growth and characterization of a new nonlinear optical l-histidine acetate single crystals. <i>Optical Materials</i> , 2007, 29, 1211-1216.	1.7	62
1201	Crystal structure and phonon properties of noncentrosymmetric LiNaB4O7. <i>Journal of Solid State Chemistry</i> , 2007, 180, 410-419.	1.4	26
1202	Synthesis and crystal structure of a new cesium barium borate, CsBaB3O6. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2194-2201.	1.4	24
1203	From discrete entity to three-dimensional architecture: Syntheses, crystal structures and optical properties of a series of transition metal complexes constructed from 4-carboxymethylbenzoic acid and 4,4'-bipyridine. <i>Polyhedron</i> , 2007, 26, 2829-2836.	1.0	13

#	ARTICLE	IF	CITATIONS
1204	Radius-dependent assembly of complexes with the rigid unsymmetric ligand 5-(2-pyridyl)-1,3,4-oxadiazole-2-thione: Syntheses, structures and luminescence properties. <i>Polyhedron</i> , 2007, 26, 4542-4550.	1.0	37
1205	Synthesis, crystal structures and triboluminescence of a pair of Eu(III)-based enantiomers. <i>Polyhedron</i> , 2007, 26, 5257-5262.	1.0	34
1206	Growth, optical, dielectric and ESR studies on tetrathiourea mercury(II) tetrathiocyanato manganate(II): An organometallic complex NLO crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 2370-2375.	1.9	25
1207	VUV excitation properties of LnZr(BO ₃) ₂ :Re (Ln=Ba, Sr; Re=Eu, Tb). <i>Journal of Luminescence</i> , 2007, 122-123, 973-975.	1.5	14
1208	Structural and thermal characterization of a semiorganic NLO material: l-alanine cadmium chloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 637-642.	2.0	69
1209	Semiorganic nonlinear optical material for frequency doubling: Preparation and properties of sodium p-nitrophenolate dihydrate (SPNP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 318-322.	2.0	7
1210	Growth and characterization of organic nonlinear optical crystal of 1-chloro-2,4-dinitrobenzene (CDNB). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 707-711.	2.0	15
1211	Spectral and optical studies of 2-amino-5-nitropyridinium dihydrogen phosphate: A semiorganic nonlinear optical material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 83-86.	2.0	14
1212	Raman, IR and SERS spectra of methyl(2-methyl-4,6-dinitrophenylsulfanyl)ethanoate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1313-1320.	2.0	61
1213	Electron paramagnetic resonance study on manganese doped tetrathiourea copper(I) chloride single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1150-1152.	2.0	3
1214	Effect of pH, thermal, electrical and thermomechanical properties of nonlinear optical l-threonine single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 300-304.	2.0	10
1215	Crystal growth and characterization of K[CS(NH ₂) ₂] ₄ Br·A semiorganic non-linear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 443-453.	2.0	11
1216	Structural, thermal and optical properties of a semiorganic nonlinear optical single crystal: Glycine zinc sulphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 360-363.	2.0	46
1217	Crystal growth, thermal and optical studies on a semiorganic nonlinear optical material for blue-green laser generation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 1213-1219.	2.0	36
1218	Growth and properties of two new organic nonlinear optical crystals: Hydroxyethylammonium-l-tartrate monohydrate and hydroxyethylammonium-d-tartrate monohydrate. <i>Journal of Crystal Growth</i> , 2007, 299, 120-124.	0.7	25
1219	Growth, morphological, mechanical and dielectric studies of semi organic NLO single crystal: l-argininium perchlorate. <i>Journal of Crystal Growth</i> , 2007, 300, 403-408.	0.7	39
1220	Growth and characterization of 2-amino-5-chlorobenzophenone (2A-5CB) single crystals. <i>Journal of Crystal Growth</i> , 2007, 300, 409-414.	0.7	24
1221	Second harmonic generation and crystal growth of new chalcone derivatives. <i>Journal of Crystal Growth</i> , 2007, 303, 520-524.	0.7	97

#	ARTICLE	IF	CITATIONS
1222	Growth of a new nonlinear optical crystal YCa ₉ (VO ₄) ₇ . Journal of Crystal Growth, 2007, 304, 233-235.	0.7	32
1223	Growth and characterization of nonlinear optical active l-alanine formate crystal by modified Sankaranarayananâ€™s Ramasamy (SR) method. Journal of Crystal Growth, 2007, 304, 191-195.	0.7	39
1224	Investigation on the physicochemical properties of nonlinear optical (NLO) single crystal: l-histidinium dinitrate. Journal of Crystal Growth, 2007, 304, 184-190.	0.7	28
1225	Growth and characterization of organometallic nonlinear optical TMTM single crystals. Journal of Crystal Growth, 2007, 304, 435-440.	0.7	14
1226	Growth and characterization of a new semiorganic non-linear optical thiosemicarbazide cadmium chloride monohydrate (Cd(NH ₂ NHCSNH ₂)Cl ₂ ·H ₂ O) single crystals. Journal of Crystal Growth, 2007, 305, 156-161.	0.7	53
1227	Synthesis, growth and characterization of second-order nonlinear optical crystal: 5-Br-2-thienyl-4-methoxychalcone. Journal of Crystal Growth, 2007, 305, 218-221.	0.7	17
1228	Synthesis, crystal growth and characterization of glycine lithium sulphate. Journal of Crystal Growth, 2007, 306, 361-365.	0.7	38
1229	Growth and characterization of a novel nonlinear optical crystal zinc succinate, Zn(C ₄ H ₄ O ₄). Journal of Crystal Growth, 2007, 308, 89-92.	0.7	22
1230	Growth and characterization of nonlinear optical crystal Lu _{0.66} La _{0.95} Sc _{2.39} (BO ₃) ₄ . Journal of Crystal Growth, 2007, 307, 405-409.	0.7	28
1231	Growth and characterization of bis-glycine sodium nitrate (BGSN), a novel semi-organic nonlinear optical crystal. Journal of Crystal Growth, 2007, 309, 30-36.	0.7	24
1232	Growth and characterization of l-Tartaric acid, an NLO material. Journal of Crystal Growth, 2007, 309, 48-52.	0.7	85
1233	L-Leucinium perchlorate. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o117-o119.	0.4	5
1234	Systematic prediction of new ferroelectrics in space group R3. II. Acta Crystallographica Section B: Structural Science, 2007, 63, 257-269.	1.8	11
1235	(2E)-1-(2,4-Dichlorophenyl)-3-[4-(methylsulfanyl)phenyl]prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o30-o32.	0.2	4
1236	Manganese mercury selenocyanate, MnHg(SeCN) ₄ . Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i45-i46.	0.2	3
1237	4-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylpyridinium iodide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2020-o2022.	0.2	5
1238	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium 4-bromobenzenesulfonate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2124-o2126.	0.2	4
1239	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium iodide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2321-o2323.	0.2	6

#	ARTICLE	IF	CITATIONS
1240	L-Argininium(+) maleate(âˆ™) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2805-o2807.	0.2	7
1241	Crystal structure and vibrational analysis of novel nonlinear optical L-histidinium tetrafluoroborate (L-HFB) single crystals. Physica Status Solidi (B): Basic Research, 2007, 244, 558-568.	0.7	9
1242	(3,5-Di-tert-butylsalicylidene)â€4-iodobenzene, a peculiar case of a nonlinear optical photoswitch. Journal of Physical Organic Chemistry, 2007, 20, 992-997.	0.9	5
1243	Growth and characterization of pure and doped bis(thiourea) cadmium acetate single crystals. Materials Chemistry and Physics, 2007, 103, 153-157.	2.0	38
1244	New substitutions and novel derivatives of the Aurivillius phases, Bi ₅ TiNbWO ₁₅ and Bi ₄ Ti ₃ O ₁₂ . Materials Research Bulletin, 2007, 42, 950-960.	2.7	7
1245	Spectroscopic, thermal and mechanical behavior of allylthiourea cadmium chloride single crystals. Materials Research Bulletin, 2007, 42, 2040-2047.	2.7	17
1246	The growth of L-Glutamic acid hydrochloride crystals by Sankaranarayananâ€™s Ramasamy (SR) method. Materials Letters, 2007, 61, 706-708.	1.3	45
1247	Growth and characterization of a new non-linear optical L-histidinium dihydrogen phosphate single crystal. Materials Letters, 2007, 61, 3477-3479.	1.3	6
1248	Growth and characterization of nonlinear optical diglycinehydrobromide single crystals. Materials Letters, 2007, 61, 3559-3562.	1.3	17
1249	Crystallization and characterization of nonlinear optical material L-arginine formomaleate. Materials Letters, 2007, 61, 3826-3828.	1.3	23
1250	Growth and characterization of cobalt thiourea sulfate, a new nonlinear optical material. Materials Letters, 2007, 61, 4173-4176.	1.3	15
1251	Growth and characterization of a new semi-organic nonlinear optical sodium paranitrophenolate paranitrophenol dihydrate single crystal. Materials Letters, 2007, 61, 5053-5055.	1.3	23
1252	The non-centrosymmetric borate chlorides Ba ₂ TB ₄ O ₉ Cl (T=Al, Ga). Solid State Sciences, 2007, 9, 344-350.	1.5	20
1253	Nonlinear optical crystal BiAlGa ₂ (BO ₃) ₄ . Solid State Sciences, 2007, 9, 713-717.	1.5	18
1254	Structural conditionality for the quadratic nonlinear susceptibility of Sr ^{1-x} Ba _x Nb ₂ O ₆ crystals. Crystallography Reports, 2007, 52, 1056-1060.	0.1	2
1255	Synthesis and electrical properties of double borates Ba ₃ R(BO ₃) ₃ , R = Ho, Yb, Sc. Russian Journal of Applied Chemistry, 2007, 80, 492-494.	0.1	0
1256	C ₂ -Symmetric Bis(amide) Molecules: Solid-State Assembly, Thermal Stability, and Second Harmonic Generation. Molecular Crystals and Liquid Crystals, 2007, 473, 67-85.	0.4	4
1257	Synthesis, Growth, and Characterization of L-Proline Cadmium Chloride Monohydrate (L-PCCM) Crystals: A New Nonlinear Optical Material. Crystal Growth and Design, 2007, 7, 183-186.	1.4	89

#	ARTICLE	IF	CITATIONS
1258	Growth and spectral properties of self-frequency doubling crystal, Nd:Ca _{9.03} Na _{1.08} La _{0.62} (VO ₄) ₇ . Applied Physics B: Lasers and Optics, 2007, 88, 449-455.	1.1	14
1259	Thermal, FT-IR and SHG efficiency studies of L-arginine doped KDP crystals. Bulletin of Materials Science, 2007, 30, 105-112.	0.8	82
1260	Growth and characterization of pure and lithium doped strontium tartrate tetrahydrate crystals by solution-gel technique. Bulletin of Materials Science, 2007, 30, 349-355.	0.8	22
1261	Vibrational, calorimetric and nonlinear optical studies of melaminium-bis(trichloroacetate) monohydrate molecular ionic crystal. Optical Materials, 2007, 29, 1058-1062.	1.7	33
1262	Crystalline phase responsible for the permanent second-harmonic generation in chalcogenide glass-ceramics. Optical Materials, 2007, 30, 338-345.	1.7	29
1263	Second harmonic generation of template synthesized PbTiO ₃ nanostructures. Optical Materials, 2007, 30, 132-134.	1.7	1
1264	Studies on the growth, optical, thermal and dielectric aspects of a proton transfer complex of Dimethyl amino pyridinium 4-nitrophenolate 4-nitrophenol (DMAPNP) crystals for non-linear optical applications. Optical Materials, 2007, 30, 553-564.	1.7	64
1265	Synthesis, crystal structure and NLO property of a nonmetal pentaborate [C ₆ H ₁₃ N ₂][B ₅ O ₆ (OH) ₄]. Journal of Solid State Chemistry, 2008, 181, 3243-3247.	1.4	42
1266	Synthesis, crystal structure and vibrational spectroscopy of a nonlinear optical crystal: l-arginine maleate dihydrate. Optical Materials, 2008, 30, 1001-1006.	1.7	48
1267	Effect of complexing agent (1,10-phenanthroline) on ADP and KDP crystals. Journal of Thermal Analysis and Calorimetry, 2008, 94, 15-20.	2.0	18
1268	Effect of chelating agent (1,10-phenanthroline) on potassium hydrogen phthalate crystals. Journal of Thermal Analysis and Calorimetry, 2008, 94, 21-25.	2.0	67
1269	The effect of Co ²⁺ -doping on tetra(thiourea)copper(i) chloride crystals. Journal of Thermal Analysis and Calorimetry, 2008, 94, 53-57.	2.0	7
1270	Structures and Non-linear Optical Properties of Multi-Sulfur π -Conjugated Compounds 4,5-Vinylenedithio-1,3-dithiole-2-thione (C ₅ H ₂ S ₅) and 4,5-Vinylenedithio-1,3-dithiole-2-one (C ₅ H ₂ OS ₄). Journal of Chemical Crystallography, 2008, 38, 65-69.	0.5	4
1271	Preparation of Nonlinear Optical Aerogels and Xerogels in Parabolic Flights. Microgravity Science and Technology, 2008, 20, 1-5.	0.7	2
1272	Growth and study of mixed crystals of Ca-Cd iodate. Bulletin of Materials Science, 2008, 31, 639-643.	0.8	14
1273	Hydrogen-bonded sheets in 2-(2-aminophenyl)-1H-benzimidazol-3-ium dihydrogen phosphate. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o361-o363.	0.4	4
1274	Huge Deuterated Effect on Permittivity in a Metal-Organic Framework. Chemistry - A European Journal, 2008, 14, 1164-1168.	1.7	43
1275	Explorations of New Types of Second-Order Nonlinear Optical Materials in Cd(Zn)Te^VTe^{IV}O Systems. Chemistry - A European Journal, 2008, 14, 1972-1981.	1.7	103

#	ARTICLE	IF	CITATIONS
1276	Synthesis, spectral, thermal and NLO properties of N,N-Dimethyl anilinium picrate. <i>Crystal Research and Technology</i> , 2008, 43, 173-178.	0.6	19
1277	Synthesis, crystal growth, spectral, thermal and optical properties of acenaphthene picrate. <i>Crystal Research and Technology</i> , 2008, 43, 93-98.	0.6	25
1278	Characterization of melt grown phthalic anhydride single crystal. <i>Crystal Research and Technology</i> , 2008, 43, 50-54.	0.6	2
1279	Growth and characterization of a new semi organic NLO material: L-tyrosine hydrochloride. <i>Crystal Research and Technology</i> , 2008, 43, 561-564.	0.6	75
1280	Optical and mechanical properties of a new second order nonlinear optical crystal urea L-threonine. <i>Crystal Research and Technology</i> , 2008, 43, 565-571.	0.6	7
1281	Synthesis and characterization of a new nonlinear optical single crystal: L-lysine trifluoroacetate. <i>Crystal Research and Technology</i> , 2008, 43, 248-252.	0.6	8
1282	Growth of tetrakis thiourea potassium iodide as new second order optical material. <i>Crystal Research and Technology</i> , 2008, 43, 423-427.	0.6	6
1283	Growth, optical and thermal studies of nonlinear optical L-arginine perchlorate single crystals. <i>Crystal Research and Technology</i> , 2008, 43, 645-650.	0.6	12
1284	Growth, structural, thermal and optical studies on L-glutamic acid hydrobromide – A new semiorganic NLO material. <i>Crystal Research and Technology</i> , 2008, 43, 713-719.	0.6	29
1285	Growth, spectral and thermal properties of KAP single crystals in the presence of DL-Alanine and L-Methionine amino acid dopants. <i>Crystal Research and Technology</i> , 2008, 43, 733-739.	0.6	33
1286	Growth and characterization of pure and lithium doped L-alanine single crystals for NLO devices. <i>Crystal Research and Technology</i> , 2008, 43, 745-750.	0.6	30
1287	Synthesis, crystal growth and properties of the charge transfer complex adduct of 2-nitro aniline with picric acid – An organic nonlinear optical material. <i>Crystal Research and Technology</i> , 2008, 43, 683-688.	0.6	45
1288	Single crystal growth and properties of semiorganic nonlinear optical L-arginine hydrochloride monohydrate crystals. <i>Crystal Research and Technology</i> , 2008, 43, 851-856.	0.6	45
1289	Growth and characterization of a new potential second harmonic generation material from the amino acid family: L-Valinium picrate. <i>Crystal Research and Technology</i> , 2008, 43, 869-873.	0.6	16
1290	Cu ^I -Br Oligomers and Polymers Involving Cu ^S (cystamine) Bonds. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1654-1660.	1.0	16
1291	Example of Disulfide Conformational Change in the Solid State: Preparation, Optical Properties, and X-ray Studies of a Cystamine-Based Iodoplombate Hybrid. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3592-3596.	1.0	23
1292	Chiral Octupolar Metal-Organoboron NLO Frameworks with (14,3) Topology. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4538-4541.	7.2	143
1293	Soluble Direct Band-Gap Semiconductors LiAsS ₂ and NaAsS ₂ : Large Electronic Structure Effects from Weak As...S Interactions and Strong Nonlinear Optical Response. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7828-7832.	7.2	177

#	ARTICLE	IF	CITATIONS
1294	Organic Phenolic Configurationally Locked Polyene Single Crystals for Electro-optic and Terahertz Wave Applications. <i>Advanced Functional Materials</i> , 2008, 18, 3242-3250.	7.8	142
1295	A Switchable NLO Organic-Inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III) Iodobismuthate Networks. <i>Advanced Materials</i> , 2008, 20, 1013-1017.	11.1	222
1298	Growth and characterization of l-prolinium picrate single crystal: A promising NLO crystal. <i>Journal of Crystal Growth</i> , 2008, 310, 116-123.	0.7	85
1299	Growth and characterization of diaquatetrakis (thiocyanato) cobalt (II) mercury (II) N-methyl-2-pyrrolidone (CMTWMP) single crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 124-130.	0.7	13
1300	The hydrothermal synthesis, growth, and optical properties of β -LiBO ₂ . <i>Journal of Crystal Growth</i> , 2008, 310, 299-305.	0.7	24
1301	Growth and characterization of an organometallic tri-allylthiourea complex nonlinear optical crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2050-2057.	0.7	22
1302	Hydrothermal crystal growth of ABe ₂ BO ₃ F ₂ (A=K, Rb, Cs, Tl) NLO crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2033-2038.	0.7	79
1303	Synthesis, crystal growth, structural, optical, thermal and mechanical properties of novel organic NLO material: Ammonium malate. <i>Journal of Crystal Growth</i> , 2008, 310, 1228-1238.	0.7	26
1304	Growth and properties of dichloro bis(triphenylphosphine oxide) zinc(II), a novel nonlinear optical crystal. <i>Journal of Crystal Growth</i> , 2008, 310, 1202-1205.	0.7	9
1305	Synthesis, crystal growth and characterization of a phase matchable nonlinear optical single crystal: p-chloro dibenzylideneacetone. <i>Journal of Crystal Growth</i> , 2008, 310, 2543-2549.	0.7	44
1306	Growth and structural characterization of RbTi _{1-x} GexOPO ₄ crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2633-2639.	0.7	4
1307	Influence of inorganic and organic additives on the crystal growth, properties and crystalline perfection of tris(thiourea)copper(I) chloride (TCC) crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2575-2583.	0.7	20
1308	Synthesis, growth, thermal, optical, dielectric and mechanical properties of semi-organic NLO crystal: Potassium hydrogen malate monohydrate. <i>Journal of Crystal Growth</i> , 2008, 310, 2820-2826.	0.7	19
1309	Growth and characterization of the nonlinear optical single crystal: l-lysine acetate. <i>Journal of Crystal Growth</i> , 2008, 310, 2842-2847.	0.7	33
1310	Characterization and properties of infrared NLO crystals: AGeX ₃ (A=Rb, Cs; X=Cl, Br). <i>Journal of Crystal Growth</i> , 2008, 310, 3224-3229.	0.7	18
1311	Growth and characterization of a new potential NLO material from the amino acid family l-prolinium picrate. <i>Journal of Crystal Growth</i> , 2008, 310, 3535-3539.	0.7	49
1312	Investigation of crystal growth, structural, optical, dielectric, mechanical and thermal properties of a novel organic crystal: 4,4'-dimethylbenzophenone. <i>Journal of Crystal Growth</i> , 2008, 310, 3561-3567.	0.7	12
1313	Growth and characterization of an efficient nonlinear optical D _{2h} type chalcone single crystal. <i>Journal of Crystal Growth</i> , 2008, 310, 4169-4176.	0.7	51

#	ARTICLE	IF	CITATIONS
1314	Second harmonic generation of a new nonlinear optical material l-valine hydrobromide. Journal of Crystal Growth, 2008, 310, 4539-4543.	0.7	34
1315	Synthesis, crystal growth and characterization of a new organic NLO material: Caffeinium picrate (CAFP)â€”A charge transfer molecular complex salt. Journal of Crystal Growth, 2008, 310, 5409-5415.	0.7	34
1316	Growth, nonlinear frequency-doubling and spectral properties of Nd:Ca _{8.53} K _{1.09} La _{0.95} (VO ₄) ₇ crystal. Journal of Crystal Growth, 2008, 310, 5423-5427.	0.7	22
1317	Growth and studies of pure and potassium iodide-doped zinc tris-thiourea sulphate (ZTS) single crystals. Journal of Crystal Growth, 2008, 311, 141-146.	0.7	31
1318	Structure modulation of metalâ€”organic frameworks via reaction pH: Self-assembly of a new carboxylate containing ligand N-(3-carboxyphenyl)iminodiacetic acid with cadmium(II) and cobalt(II) salts. Polyhedron, 2008, 27, 812-820.	1.0	49
1319	Growth and characterization of two new NLO materials from the amino acid family: l-Histidine nitrate and l-Cysteine tartrate monohydrate. Optics Communications, 2008, 281, 457-462.	1.0	74
1320	A new promising scintillator Ba ₃ InB ₉ O ₁₈ . Journal of Solid State Chemistry, 2008, 181, 646-651.	1.4	29
1321	Leadâ€”strontium borate halides with hilgardite-type structure and their SHG properties. Journal of Solid State Chemistry, 2008, 181, 1891-1898.	1.4	53
1322	Synthesis, crystal structure, and nonlinear optical properties of Bi ₂ Cu ₅ B ₄ O ₁₄ . Journal of Solid State Chemistry, 2008, 181, 2087-2091.	1.4	35
1323	Synthesis, physicochemical characterization and crystallographic twinning of Li ₂ ZnSnS ₄ . Journal of Solid State Chemistry, 2008, 181, 3217-3222.	1.4	85
1324	Synthesis, growth and characterization of a new nonlinear optical material: 4-Phenylpyridinium hydrogen squarate (4PHS). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1146-1149.	2.0	25
1325	Growth, structural, optical and thermal properties of β -glycine crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1114-1118.	2.0	55
1326	Theoretical investigation of the EPR parameters and local structure for trigonal Yb ³⁺ ion in Bi ₄ Ge ₃ O ₁₂ crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 7-10.	2.0	5
1327	Crystal growth of phase matchable new organic nonlinear optical material for UV laser generation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1271-1276.	2.0	11
1328	Synthesis, growth, structural, spectroscopic and optical studies of a new semiorganic nonlinear optical crystal: l-Valine hydrochloride. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1283-1286.	2.0	49
1329	Investigations on the physicochemical properties of the nonlinear optical crystal for blue green laser generation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 119-124.	2.0	2
1330	Probes on l-lysine monohydrochloride dihydrate: A semiorganic nonlinear optical crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 471-479.	2.0	4
1331	Effect of doping an organic molecule ligand on TGS single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 480-485.	2.0	18

#	ARTICLE	IF	CITATIONS
1332	A comparative study on the growth and characterization of nonlinear optical amino acid crystals: l-Alanine (LA) and l-alanine alaninium nitrate (LAAN). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 297-304.	2.0	34
1333	Studies on crystal growth, vibrational and optical properties of organic nonlinear optical crystal: p-Aminoazobenzene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 502-507.	2.0	31
1334	Molecular structure, spectroscopic studies and first-order molecular hyperpolarizabilities of p-amino acetanilide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 355-367.	2.0	61
1335	Growth, structural, optical, thermal and mechanical properties of ammonium pentaborate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 578-583.	2.0	39
1336	Synthesis growth and characterization of l-Valinium Picrate a new nonlinear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 288-291.	2.0	26
1337	Growth and characterization of a new metal-organic nonlinear optical bis (thiourea) cadmium zinc chloride single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1-4.	2.0	20
1338	The variability of hydrogen-bonded supramolecular assemblies in crystalline picrates prepared from ferrocenyl-substituted l ² -aminoalcohols. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1779-1786.	0.8	6
1339	Bi ³⁺ luminescence in ABiO ₂ Cl (A=Sr, Ba) and BaBiO ₂ Br. <i>Journal of Luminescence</i> , 2008, 128, 87-91.	1.5	43
1340	Effects of Er ³⁺ and Yb ³⁺ doping on structural and non-linear optical properties of LiNaSO ₄ . <i>Journal of Luminescence</i> , 2008, 128, 1025-1028.	1.5	2
1341	Permanent second-harmonic generation in AgGaGeS ₄ bulk-crystallized chalcogenide glasses. <i>Chemical Physics Letters</i> , 2008, 460, 125-128.	1.2	28
1342	Charge transfer interactions and nonlinear optical properties of push-pull chromophore benzaldehyde phenylhydrazone: A vibrational approach. <i>Chemical Physics Letters</i> , 2008, 460, 552-558.	1.2	384
1343	The chiral Zn(II)-Na(I) coordination polymer: Synthesis, crystal structure, thermal and optical properties. <i>Inorganic Chemistry Communication</i> , 2008, 11, 749-753.	1.8	13
1344	Two bimetallic tetranuclear three-blade propeller shaped complexes with helical water chains: Crystal structures, second-order nonlinear optical (NLO) properties and thermal decomposition mechanisms. <i>Inorganic Chemistry Communication</i> , 2008, 11, 799-801.	1.8	12
1345	Networking chiral coordination polymers through amide hydrogen bond interactions: Thermal stability and optical SHG investigations. <i>Inorganic Chemistry Communication</i> , 2008, 11, 791-794.	1.8	14
1346	Two 2D new helical coordination polymers induced by in situ hydrolysis generated 5-((pyridin-3-yl)methylcarbonyl)pyridine-2-carboxylate. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1308-1311.	1.8	7
1347	Studies on optical, mechanical and transport properties of NLO active l-alanine formate single crystal grown by modified Sankaranarayanan-Ramasamy (SR) method. <i>Optics Communications</i> , 2008, 281, 2285-2290.	1.0	73
1348	Growth, optical and thermal characterization of bis(thiourea)zinc chloride single crystals. <i>Optical Materials</i> , 2008, 30, 1621-1624.	1.7	21
1349	Study on mid-IR NLO crystals CsGe(Br _x Cl _{1-x}) ₃ . <i>Optical Materials</i> , 2008, 31, 28-34.	1.7	32

#	ARTICLE	IF	CITATIONS
1350	SbF ₃ : A new second-order nonlinear optical material. <i>Optical Materials</i> , 2008, 31, 110-113.	1.7	47
1351	Novel compounds of 4-amino-1,2,4-triazole with dicarboxylic acids – crystal structures, vibrational spectra and non-linear optical properties. <i>Journal of Molecular Structure</i> , 2008, 873, 46-60.	1.8	80
1352	1D chain Cd(II) and Co(II) coordination polymers: Synthesis, crystal structures and luminescence properties. <i>Journal of Molecular Structure</i> , 2008, 873, 73-78.	1.8	6
1353	Band structure, optical properties and infrared spectrum of glycine–sodium nitrate crystal. <i>Journal of Molecular Structure</i> , 2008, 875, 295-301.	1.8	53
1354	Synthesis, spectroscopic, thermal and structural elucidation of 5-amino-2-methoxypyridine ester amide of squaric acid ethyl ester: A new material with an infinite pseudo-layered structure and manifested NLO application. <i>Journal of Molecular Structure</i> , 2008, 875, 372-381.	1.8	14
1355	Non-bonded interactions and its contribution to the NLO activity of Glycine Sodium Nitrate – A vibrational approach. <i>Journal of Molecular Structure</i> , 2008, 877, 20-35.	1.8	29
1356	Phase formation in the Ba ₃ –x Sr x Y(BO ₃) ₃ system (0 < x < 3). <i>Russian Journal of Inorganic Chemistry</i> , 2008, 53, 499-502.	0.3	1
1357	On the effect of structural and symmetrical features of potassium titanyl phosphate crystals with different contents of niobium, antimony, and zirconium on the second-harmonic intensity. <i>Crystallography Reports</i> , 2008, 53, 678-682.	0.1	10
1358	X-ray photoelectron spectrometry and binding energies of Be 1s and O 1s core levels in clinobarylite, BaBe ₂ Si ₂ O ₇ , from Khibiny massif, Kola peninsula. <i>Materials Characterization</i> , 2008, 59, 1329-1334.	1.9	18
1359	Growth and characterization of an organometallic nonlinear optical material tri-allylthiourea cadmium chloride (ATCC). <i>Materials Chemistry and Physics</i> , 2008, 107, 23-27.	2.0	9
1360	Structural, thermal, mechanical and optical properties of l-arginine diiodate crystal: A new nonlinear optical material. <i>Materials Chemistry and Physics</i> , 2008, 107, 51-56.	2.0	14
1361	Growth and characterization of l-histidine nitrate single crystal, a promising semiorganic NLO material. <i>Materials Chemistry and Physics</i> , 2008, 108, 192-195.	2.0	70
1362	Deuteration effects on structural, thermal, linear and nonlinear properties of l-threonine single crystals. <i>Materials Chemistry and Physics</i> , 2008, 108, 359-363.	2.0	8
1363	Growth and characterization of tetra l-lysine alanine mono hydrochloride dihydrate (TLAMHCl), a new semiorganic nonlinear optical single crystal. <i>Materials Chemistry and Physics</i> , 2008, 109, 119-124.	2.0	34
1364	Growth, thermal and mechanical properties of new nonlinear optical barium bis-paranitrophenolate paranitrophenol tetrahydrate single crystal. <i>Materials Research Bulletin</i> , 2008, 43, 431-436.	2.7	7
1365	Crystal growth, thermal and optical studies of semiorganic nonlinear optical material: l-lysine hydrochloride dihydrate. <i>Materials Research Bulletin</i> , 2008, 43, 1829-1835.	2.7	31
1366	Synthesis, growth, structural, optical, photoconductivity and dielectric studies on potassium p-nitrophenolate dihydrate: A new semiorganic nonlinear optical material. <i>Materials Research Bulletin</i> , 2008, 43, 3587-3595.	2.7	16
1367	Growth and characterization of non-linear optical crystal Cd ₃ Zn ₃ B ₄ O ₁₂ . <i>Materials Research Bulletin</i> , 2008, 43, 3188-3194.	2.7	4

#	ARTICLE	IF	CITATIONS
1368	Studies on the growth aspects of semi-organic cadmium zinc thiourea acetate: A promising new NLO crystal. <i>Materials Letters</i> , 2008, 62, 7-10.	1.3	8
1369	Growth, structural, optical, thermal and mechanical properties of glycine zinc chloride single crystal. <i>Materials Letters</i> , 2008, 62, 65-68.	1.3	49
1370	Synthesis, growth, and characterization of nonlinear optical material l-arginine iodate crystal. <i>Materials Letters</i> , 2008, 62, 133-136.	1.3	9
1371	Crystal growth of 2, 4, 5-Trimethoxy-4-chlorochalcone and its characterization. <i>Materials Letters</i> , 2008, 62, 451-453.	1.3	24
1372	Growth and characterization of nonlinear optical l-arginine maleate dihydrate single crystals. <i>Materials Letters</i> , 2008, 62, 755-758.	1.3	23
1373	Growth and characterization of Lithium hydrogen oxalate monohydrate, a new semiorganic NLO material. <i>Materials Letters</i> , 2008, 62, 1136-1138.	1.3	24
1374	Studies on the crystal growth and characterization of urea l-malic acid single crystals grown from different solvents. <i>Materials Letters</i> , 2008, 62, 1609-1612.	1.3	12
1375	Growth and characterization of an organic nonlinear optical material: l-alanine alaninium nitrate. <i>Materials Letters</i> , 2008, 62, 2245-2248.	1.3	58
1376	Growth by SR method and characterization of hippuric acid single crystals. <i>Materials Letters</i> , 2008, 62, 2480-2482.	1.3	15
1377	Synthesis, growth and characterization analysis of nickel mercury thiocyanate crystal (NMTC). <i>Materials Letters</i> , 2008, 62, 2737-2739.	1.3	7
1378	Growth and characterization of dl-Alanine – A new NLO material from the amino acid family. <i>Materials Letters</i> , 2008, 62, 2633-2636.	1.3	15
1379	Growth and characterization of l-asparagine thiourea monohydrate (LATM): A nonlinear optical single crystal. <i>Materials Letters</i> , 2008, 62, 4003-4005.	1.3	11
1380	Investigation on growth and characterization of a new inorganic NLO material: Zinc sulphate (ZnSO ₄ :7H ₂ O) doped with Magnesium Sulphate (MgSO ₄ :7H ₂ O). <i>Materials Letters</i> , 2008, 62, 4386-4388.	1.3	14
1381	Growth and characterization of pure and potassium chloride-doped Zinc Tris-thiourea Sulphate (ZTS) single crystals. <i>Materials Letters</i> , 2008, 62, 4414-4416.	1.3	22
1382	l-lysine monohydrochloride dihydrate as novel elasto- and electrooptical materials. <i>Materials Letters</i> , 2008, 62, 4597-4600.	1.3	29
1383	Molecular Packing Variation of Crimped 2D Layers and 3D Uncommon 65.8 Topology: Effect of Ligand on the Construction of Metal-Quinoline-6-carboxylate Polymers. <i>Crystal Growth and Design</i> , 2008, 8, 2346-2351.	1.4	43
1384	Studies on the Synthesis, Growth, Crystal Structure, and Nonlinear Optical Properties of a Novel Nonlinear Optical Crystal: l-Argininium-4-nitro Phenolate Monohydrate (LARP). <i>Crystal Growth and Design</i> , 2008, 8, 2329-2334.	1.4	48
1385	Synthesis, Growth, and Characterization of Novel Nonlinear Optical Active Dichloridodiglycine Zinc Dihydrate Single Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 1663-1667.	1.4	22

#	ARTICLE	IF	CITATIONS
1386	Organic crystals for second harmonic generation switching based on anil photochromes. <i>Research on Chemical Intermediates</i> , 2008, 34, 181-190.	1.3	7
1387	Hydrothermal Synthesis and Crystal Structure of Polar and Nonpolar Compounds in Indium Iodate Family. <i>Crystal Growth and Design</i> , 2008, 8, 2453-2457.	1.4	29
1388	Mercury Bromide (HgBr ₂): A promising nonlinear optical material in IR region with a high laser damage threshold. <i>Applied Physics Letters</i> , 2008, 93, 091102.	1.5	52
1389	Study of Nonlinear Optical and Structural Properties of Organometallic Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 485, 990-1001.	0.4	10
1390	Ligand-to-metal ratio controlled assembly of nanoporous metal-organic frameworks. <i>Chemical Communications</i> , 2008, , 2659.	2.2	53
1391	Synthesis, Growth, and Characterization of a New Semiorganic Nonlinear Optical Crystal: L-Alanine Sodium Nitrate (LASN). <i>Crystal Growth and Design</i> , 2008, 8, 1863-1869.	1.4	59
1392	[ZrPSe ₆] ⁶⁻ : A Soluble Photoluminescent Inorganic Polymer and Strong Second Harmonic Generation Response of Its Alkali Salts. <i>Journal of the American Chemical Society</i> , 2008, 130, 12270-12272.	6.6	82
1393	Growth and Studies of Pure and Lithium Bromide-Doped Zinc Tris-Thiourea Sulphate (ZTS) Single Crystals. <i>Materials and Manufacturing Processes</i> , 2008, 23, 800-804.	2.7	35
1394	Growth and Characterization of Novel Nonlinear Optical Potassium Boromalate Monohydrate (KBM) Single Crystal Grown by Modified Sankaranarayanan Ramasamy (SR) Method. <i>Crystal Growth and Design</i> , 2008, 8, 3956-3958.	1.4	6
1395	An Interesting Correlation between Crystalline Perfection and Second Harmonic Generation Efficiency on KCl- and Oxalic Acid-Doped ADP Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 446-451.	1.4	177
1396	Characterization of New Infrared Nonlinear Optical Material with High Laser Damage Threshold, Li ₂ Ga ₂ GeS ₆ . <i>Chemistry of Materials</i> , 2008, 20, 6048-6052.	3.2	193
1397	Optical second-harmonic scattering from cylindrical particles. <i>Physical Review B</i> , 2008, 78, .	1.1	63
1398	Constructing porous lanthanide coordination polymers of 4,4'-bipyridine- N , N -dioxide templated by single- and double-Keggin anions. <i>Journal of Coordination Chemistry</i> , 2008, 61, 3800-3814.	0.8	10
1399	Controlled generation of acentric and homochiral coordination compounds from a versatile asymmetric ligand 4-(1H-1,2,4-triazol-3-yl)-4H-1,2,4-triazole. <i>Chemical Communications</i> , 2008, , 4159.	2.2	16
1400	Fabrication and Electro-optic Properties of Ferroelectric Nanocrystal/Polymer Composite Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14202-14208.	1.5	14
1401	A Noncentrosymmetric 3D Coordination Polymer of Metallocalix[4]arene. <i>Inorganic Chemistry</i> , 2008, 47, 11514-11518.	1.9	27
1402	A Highly Efficient Organic Nonlinear Optical Donor-Acceptor Single Crystal: L-Valinium Picrate. <i>Crystal Growth and Design</i> , 2008, 8, 2340-2345.	1.4	58
1403	New Optical Supramolecular Compound Constructed from a Polyoxometalate Cluster and an Organic Substrate. <i>Inorganic Chemistry</i> , 2008, 47, 8086-8090.	1.9	57

#	ARTICLE	IF	CITATIONS
1404	Synthesis and properties of novel second-order NLO chromophores containing pyrrole as an auxiliary electron donor. <i>Journal of Materials Chemistry</i> , 2008, 18, 1756.	6.7	38
1405	Pyrrole-Based Hydrazone Organic Nonlinear Optical Crystals and Their Polymorphs. <i>Crystal Growth and Design</i> , 2008, 8, 4021-4025.	1.4	40
1406	Structural, Optical, and Theoretical Studies of a Thermochromic Organic Crystal with Reversibly Variable Second Harmonic Generation. <i>Chemistry of Materials</i> , 2008, 20, 4062-4068.	3.2	47
1407	Silver(Ag) complexes with oxazoline-containing tripodal ligands: structure variation via counter anions and reaction conditions. <i>Dalton Transactions</i> , 2008, , 204-213.	1.6	56
1408	Synthesis, Characterization, and Crystal Growth of $\text{Cs}_2\text{Hg}_3\text{I}_8$: A New Second-Order Nonlinear Optical Material. <i>Crystal Growth and Design</i> , 2008, 8, 2946-2949.	1.4	52
1409	Single-crystal-to-single-crystal transformation involving release of bridging water molecules and conversion of chain helicity in a chiral three-dimensional metal-organic framework. <i>Chemical Communications</i> , 2008, , 1551.	2.2	103
1410	Polymorphism of lead(ii) benzenethiolate: a noncentrosymmetric new allotropic form of $\text{Pb}(\text{SPh})_2$. <i>CrystEngComm</i> , 2008, 10, 968.	1.3	5
1411	Crystal growth and structure of L-methionine L-methioninium hydrogen maleate—a new NLO material. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 025012.	2.8	24
1412	Practical aspects and implications of interfaces in glass-ceramics: a review. <i>International Journal of Materials Research</i> , 2008, 99, 120-129.	0.1	14
1413	Carboxylic acid-dependent assembly of neodymium—organic frameworks with attractive topologies and second-order nonlinear optical and/or magnetic properties. <i>CrystEngComm</i> , 2008, 10, 1674.	1.3	28
1414	Prediction of nonlinear optical susceptibility of the crystal by chemical formula. , 2008, , .		2
1415	Nonlinear optical and ferroelectric properties of a 3-D $\text{Cd}(\text{ii})$ triazolate complex with a novel $(63)2(610\text{\AA}-85)$ topology. <i>Chemical Communications</i> , 2008, , 2762.	2.2	80
1416	Polar Hexagonal Tungsten Bronze-Type Oxides: KNbW_2O_9 , RbNbW_2O_9 , and KTaW_2O_9 . <i>Inorganic Chemistry</i> , 2008, 47, 8511-8517.	1.9	66
1417	Synthesis, Structure, and Characterization of the Hexagonal Provkite $\text{Ba}_5\text{In}_{0.93}\text{Mn}_4\text{O}_{14.40}$. <i>Chemistry of Materials</i> , 2008, 20, 2110-2116.	3.2	12
1418	Phosphorescent Acentric Cuprous Halide Coordination Polymers for Nonlinear Optical Materials. <i>Crystal Growth and Design</i> , 2008, 8, 2359-2363.	1.4	14
1419	Characterization and Properties of Novel Infrared Nonlinear Optical Crystal $\text{CsGe}(\text{Br})\text{Cl}_3$. <i>Inorganic Chemistry</i> , 2008, 47, 2362-2367.	1.9	35
1420	Continuous Change of Second-order Nonlinear Optical Activity in a Cyano-bridged Coordination Polymer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13095-13098.	1.5	24
1421	Novel Inorganic—Organic Hybrid Frameworks of Manganese(II): Syntheses, Crystal Structures, and Physical Properties. <i>Crystal Growth and Design</i> , 2008, 8, 1924-1931.	1.4	52

#	ARTICLE	IF	CITATIONS
1422	Highly Nonlinear Optical Configurationally Locked Triene Crystals Based on 3,5-Dimethyl-2-cyclohexen-1-one. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7846-7852.	1.5	57
1423	Self-Assembly of Discrete and Polymeric Metal-Organic Frameworks via a Semirigid Glycoluril-Based Molecular Clip. <i>Crystal Growth and Design</i> , 2008, 8, 1645-1653.	1.4	15
1424	[Zn(H ₂ O) ₄][Zn ₂ Sn ₃ Se ₉ (MeNH ₂)]: a robust open framework chalcogenide with a large nonlinear optical response. <i>Chemical Communications</i> , 2008, , 972-974.	2.2	50
1425	Three Interpenetrated Frameworks Assembly from a Long Multicarboxylate Ligand and Transition Metal. <i>Crystal Growth and Design</i> , 2008, 8, 665-670.	1.4	60
1426	A Variety of 1D to 3D Metal-Organic Coordination Architectures Assembled with 1,1- ϵ^2 -(2,2- α^2 -Oxybis(ethane-2,1-diyl))bis(1 <i>H</i> -imidazole). <i>Crystal Growth and Design</i> , 2008, 8, 1654-1662.	1.4	83
1427	Reflective-type configuration for monitoring the photobleaching procedure based on surface plasmon resonance. <i>Journal of Optics</i> , 2008, 10, 095102.	1.5	3
1428	SECOND HARMONIC GENERATION IN β -SHAPED ORGANIC MOLECULES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2008, 17, 329-338.	1.1	1
1429	Properties of a New Nonlinear Optical Crystal CdZn ₂ B ₂ O ₆ . <i>Chinese Physics Letters</i> , 2008, 25, 1301-1304.	1.3	2
1430	Redetermination of poly[$\frac{1}{4}$ -chlorido-heptachlorido- $\frac{1}{4}$ -proline- $\frac{1}{4}$ -proline-tetraammine-mercury(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1048-m1049.	0.2	0
1431	GROWTH AND CHARACTERIZATION OF GLYCINE HYDROBROMIDE SINGLE CRYSTAL FOR NONLINEAR OPTICAL APPLICATIONS. <i>Modern Physics Letters B</i> , 2008, 22, 2035-2042.	1.0	13
1432	Noncentrosymmetry in Mixed Metal Oxide-Fluorides, Can We Control It?. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1148, 1.	0.1	0
1433	Luminescence Properties of LnZr(BO ₃) ₂ :Re (Ln=Ba, Sr; Re=Eu, Ce,Tb). <i>Key Engineering Materials</i> , 2008, 368-372, 369-371.	0.4	0
1434	GEOMETRY OPTIMIZATION AND SECOND HARMONIC GENERATION IN PARA-NITROANILINE- α -DIMETHYL FORMAMIDE ADDUCT. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2008, 17, 85-96.	1.1	1
1435	Ferrocene-Based Electro-Optical Materials. , 0, , 319-392.		8
1436	Comprehensive study of crystallization and phase formation in (La,Gd)BGeO ₅ glass. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 1108-1114.	0.5	4
1437	L-Lysinium trifluoroacetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o393-o394.	0.2	2
1438	Nonlinear optical device for middle infrared generation. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
1439	Multiphoton Processes and Nonlinear Harmonic Generations in Lanthanide Complexes. , 0, , 161-184.		0

#	ARTICLE	IF	CITATIONS
1441	Growth and PhysioChemical Properties of Second-Order Nonlinear Optical L-Threonine Single Crystals. <i>Advances in Materials Science and Engineering</i> , 2009, 2009, 1-40.	1.0	21
1442	Second harmonic generation studies of semi-organic compounds. , 2009, , .		0
1443	Syntheses and crystal structures of two supramolecular isomers of manganese(II) with 3,5-bis(isonicotinamido)benzoate. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2421-2428.	0.8	7
1444	SURFACE MORPHOLOGY, ETCHING AND MECHANICAL STRENGTH OF A SEMIORGANIC NONLINEAR OPTICAL CRYSTAL THIOUREA CADMIUM-ZINC SULPHATE (CZTS). <i>Surface Review and Letters</i> , 2009, 16, 737-742.	0.5	3
1445	CRYSTAL GROWTH, THERMAL, OPTICAL, AND DIELECTRIC PROPERTIES OF L-LYSINE DOPED KDP CRYSTALS. <i>Modern Physics Letters B</i> , 2009, 23, 1589-1602.	1.0	34
1446	FIRST PRINCIPLE CALCULATION OF ELECTRONIC BAND STRUCTURE AND OPTICAL PROPERTIES OF KIO ₃ . <i>International Journal of Modern Physics B</i> , 2009, 23, 2405-2412.	1.0	1
1447	SYNTHESIS, GROWTH AND CHARACTERIZATION OF GLYCINE THIOUREA: A NOVEL NONLINEAR OPTICAL MATERIAL. <i>Modern Physics Letters B</i> , 2009, 23, 2923-2931.	1.0	1
1448	INVESTIGATION ON THE PHYSICOCHEMICAL PROPERTIES OF NONLINEAR OPTICAL SINGLE CRYSTAL: 2-NAPHTHALENOL. <i>Modern Physics Letters B</i> , 2009, 23, 1221-1227.	1.0	2
1449	STUDIES ON GROWTH AND CHARACTERIZATION OF BIS THIOUREA LEAD CHLORIDE: A NOVEL NONLINEAR OPTICAL CRYSTAL. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2009, 18, 153-159.	1.1	1
1450	SYNTHESIS, GROWTH, STRUCTURAL, SPECTROSCOPIC, OPTICAL, THERMAL AND MECHANICAL STUDIES OF A SEMI-ORGANIC NONLINEAR OPTICAL CRYSTAL: L-GLUTAMIC ACID HYDROCHLORIDE. <i>Modern Physics Letters B</i> , 2009, 23, 861-869.	1.0	5
1451	Characterization of Nonlinear Optical Properties of Crystal RbGeCl ₃ ·x(H ₂ O) in Infrared Region. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 082001.	0.8	6
1452	Syntheses, Crystal Structures and an Overview of Alkali Metal Maleates. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 517-524.	0.3	8
1453	Synthesis, characterization and NLO properties of a new 3D coordination polymer assembled from p-aminobenzoic acid. <i>Solid State Sciences</i> , 2009, 11, 1040-1043.	1.5	10
1454	Supramolecular aggregation in new crystals with nonlinear optical properties: 2-aminophenol-HClO ₄ , 3-aminophenol-HClO ₄ and 4-aminophenol-HClO ₄ . <i>Solid State Sciences</i> , 2009, 11, 1576-1581.	1.5	17
1455	Crystal growth, characterization, structural characteristics and second harmonic generation in N-benzoyl glycine crystals. <i>Materials Chemistry and Physics</i> , 2009, 113, 91-95.	2.0	16
1456	Growth, optical, thermal and dielectric studies of an amino acid organic nonlinear optical material: l-Alanine. <i>Materials Chemistry and Physics</i> , 2009, 114, 490-494.	2.0	100
1457	Valence-electron structure and spontaneous polarization of KNbO ₃ in tetragonal ferroelectric phase. <i>Materials Chemistry and Physics</i> , 2009, 114, 728-731.	2.0	3
1458	Growth and characterization of nonlinear optical ¹³ C-glycine single crystal from lithium acetate as solvent. <i>Materials Chemistry and Physics</i> , 2009, 115, 413-417.	2.0	48

#	ARTICLE	IF	CITATIONS
1459	Synthesis and characterization of bis(thiourea)zinc chloride doped with L-arginine. <i>Materials Chemistry and Physics</i> , 2009, 117, 204-208.	2.0	12
1460	Growth and characterization of the nonlinear optical single crystal: L-Lysinium trifluoroacetate. <i>Materials Research Bulletin</i> , 2009, 44, 925-930.	2.7	34
1461	Growth and characterization of a new NLO material: L-Glutamic acid hydro bromide [L-GluHBr]. <i>Materials Research Bulletin</i> , 2009, 44, 1097-1101.	2.7	12
1462	Low temperature synthesis and characterization of SnTa ₂ O ₆ . <i>Materials Research Bulletin</i> , 2009, 44, 1022-1024.	2.7	13
1463	Crystal structure and Eu ³⁺ /Tb ³⁺ doped luminescent properties of a new borate Ba ₃ BiB ₉ O ₁₈ . <i>Materials Research Bulletin</i> , 2009, 44, 2211-2216.	2.7	15
1464	Growth and characterization of L-phenylalanine nitric acid, a new organic nonlinear optical material. <i>Materials Letters</i> , 2009, 63, 41-44.	1.3	52
1465	Growth and characterization of new semiorganic nonlinear optical single crystal L-Phenylalanine L-Phenylalaninium perchlorate (LPPAPC). <i>Materials Letters</i> , 2009, 63, 363-365.	1.3	21
1466	Growth of manganese doped cadmium mercury thiocyanate single crystals " Gel technique. <i>Materials Letters</i> , 2009, 63, 1643-1646.	1.3	5
1467	Crystal growth and characterization of new nonlinear optical single crystals of L-alaninium fumarate. <i>Materials Letters</i> , 2009, 63, 2507-2509.	1.3	25
1468	Synthesis and Optical Properties of 2-(Benzo[<i>b</i>]thiophene-3-yl)pyrroles and a New BODIPY Fluorophore (BODIPY=4,4-difluoro-4-bora-3,4-diazaindace). <i>Chemistry - A1.7 European Journal</i> , 2009, 15, 5823-5830.		46
1469	Growth and characterization of glycine doped bis thiourea cadmium chloride single crystal. <i>Crystal Research and Technology</i> , 2009, 44, 269-274.	0.6	24
1470	Growth and characterization of thiourea mixed cadmium - lead chloride - a nonlinear optical crystal. <i>Crystal Research and Technology</i> , 2009, 44, 421-424.	0.6	6
1471	Enhancement of stability of growth, structural and NLO properties of KDP crystals due to additive along with seed rotation. <i>Crystal Research and Technology</i> , 2009, 44, 54-60.	0.6	15
1472	Powder second harmonic generation measurement and thermal decomposition mechanisms of a new organometallic compound [(18C6)Li][Cd(SCN) ₃]. <i>Crystal Research and Technology</i> , 2009, 44, 985-988.	0.6	4
1473	Synthesis and Physical Properties of Two Chiral Terpyridyl Europium(III) Complexes with Distinct Crystal Polarity. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4844-4849.	1.0	42
1474	Vibrational spectral studies on charge transfer and ionic hydrogen bonding interactions of nonlinear optical material L-arginine nitrate hemihydrate. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 18-30.	1.2	22
1475	First order molecular hyperpolarizabilities and intramolecular charge transfer from the vibrational spectra of NLO material: ethyl-(3, 4-dihydroxyphenyl)-propenoate. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1822-1830.	1.2	14
1476	Growth and characterization of pure and doped bis thiourea zinc acetate: Semiorganic nonlinear optical single crystals. <i>Current Applied Physics</i> , 2009, 9, 1054-1061.	1.1	34

#	ARTICLE	IF	CITATIONS
1477	Synthesis and growth of sodium bitartrate monohydrate a new organometallic nonlinear optical single crystal. <i>Current Applied Physics</i> , 2009, 9, 1125-1128.	1.1	7
1478	Observation of steric hindrance effect controlling crystal packing structures and physical properties in three new isomeric nitronyl nitroxide radicals. <i>Journal of Molecular Structure</i> , 2009, 930, 167-175.	1.8	8
1479	Synthesis, growth and structural perfection of nonlinear optical material of glycine hydrofluoride (GHF). <i>Journal of Materials Science</i> , 2009, 44, 3457-3461.	1.7	11
1480	Effect of low and high concentrations of KCl dopant on ADP crystal properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 77-80.	2.0	23
1481	Influence of organic solvent on trithiourea zinc(II) sulphate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009, 96, 125-129.	2.0	26
1482	Study of gel grown mixed crystals of $Ba_xCa_{(1-x)}(IO_3)_4$. <i>Bulletin of Materials Science</i> , 2009, 32, 187-192.	0.8	5
1483	Growth and characterization of pure and doped NLO L-arginine acetate single crystals. <i>Bulletin of Materials Science</i> , 2009, 32, 431-435.	0.8	27
1484	Growth, microhardness, dielectric and photoconductivity characterization of a highly polarizable NLO material: Sodium p-nitrophenolate dihydrate ($NO_2-C_6H_4-ONa \cdot 2H_2O$). <i>Indian Journal of Physics</i> , 2009, 83, 1647-1657.	0.9	11
1485	Growth and characterization of L-Alanine-doped Zinc Thiourea Chloride single crystal (ZTC). <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 727-732.	1.1	34
1486	Structure and NLO property relationship in a novel chalcone co-crystal. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 503-511.	1.1	71
1487	Second Harmonic Generation from a Single Core/Shell Quantum Dot. <i>Small</i> , 2009, 5, 2835-2840.	5.2	89
1488	New vanadium(IV) and titanium(IV) oxyfluorotellurates(IV): $V_2Te_2O_7F_2$ and $TiTeO_3F_2$. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, i1-i6.	0.4	17
1489	Hydrogen-bonded network in the trichloroacetate salts of 2-amino-5-chloropyridinium and 2-methyl-5-nitroanilinium monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o339-o341.	0.4	5
1490	Growth and characterization of pure and potassium iodide-doped zinc tris-thiourea sulphate (ZTS) single crystals. <i>Physica B: Condensed Matter</i> , 2009, 404, 289-294.	1.3	16
1491	Studies on the electrical, linear and nonlinear optical properties of Meta nitroaniline, an efficient NLO crystal. <i>Physica B: Condensed Matter</i> , 2009, 404, 1655-1660.	1.3	37
1492	Nucleation studies and characterization of potassium thiocyanate added KDP crystals grown by seed rotation technique. <i>Physica B: Condensed Matter</i> , 2009, 404, 2503-2508.	1.3	23
1493	Enhancement of saturation magnetization in epitaxial (111) $BiFeO_3$ films by magnetic annealing. <i>Thin Solid Films</i> , 2009, 517, 2749-2752.	0.8	15
1494	Nucleation studies of ZTC doped with l-arginine in supersaturated aqueous solutions. <i>Physica B: Condensed Matter</i> , 2009, 404, 1813-1818.	1.3	31

#	ARTICLE	IF	CITATIONS
1495	Thermal, mechanical, electrical, linear and nonlinear optical properties of a nonlinear optical l-ornithine monohydrochloride single crystal. <i>Physica B: Condensed Matter</i> , 2009, 404, 2336-2339.	1.3	13
1496	The influence of Mn-doping on the nonlinear optical properties and crystalline perfection of tris(thiourea)zinc(II) sulphate crystals: Concentration effects. <i>Journal of Crystal Growth</i> , 2009, 311, 960-965.	0.7	35
1497	Synthesis, crystal growth, characterization and structureâ€NLO property relationship in 1,3-bis(4-methoxyphenyl)prop-2-en-1-one single crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 310-315.	0.7	36
1498	Crystal growth and characterization of monometallic NLO single crystals of Cd(IO ₃) ₂ . <i>Journal of Crystal Growth</i> , 2009, 311, 337-341.	0.7	19
1499	Growth and characterization of dichlorobis l-proline Zn(II): A semiorganic nonlinear optical single crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 1161-1165.	0.7	46
1500	Studies on the growth and characterization of 2-aminopyridinium maleateâ€”A novel nonlinear optical crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 1185-1189.	0.7	30
1501	Single crystal growth of 4-aminobenzophenone using nanoresolution translation by the Bridgman technique and its characterization. <i>Journal of Crystal Growth</i> , 2009, 311, 1607-1611.	0.7	9
1502	Crystal growth and characterization of organic single crystal 1-(4-N, N-Dimethylaminopyridinium) acetic acid bromide monohydrate. <i>Journal of Crystal Growth</i> , 2009, 311, 2484-2489.	0.7	11
1503	Growth of BPO ₄ single crystals from Li ₂ Oâ€”MoO ₃ flux. <i>Journal of Crystal Growth</i> , 2009, 311, 2433-2436.	0.7	7
1504	Growth and characterization of nonlinear optical bimetallic thiocyanate complex of MCCTC crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 2454-2458.	0.7	11
1505	Growth and characterization of new semiorganic nonlinear optical zinc guanidinium sulfate single crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 2709-2713.	0.7	53
1506	Studies on the crystal growth, crystal structure, optical and thermal properties of an organic crystal: Benzophenone hydrazone. <i>Journal of Crystal Growth</i> , 2009, 311, 3461-3465.	0.7	19
1507	Growth of dl-malic acid-doped ammonium dihydrogen phosphate crystal and its characterization. <i>Journal of Crystal Growth</i> , 2009, 311, 3491-3497.	0.7	76
1508	Characterization of pure and urea-doped Î³-glycine single crystals grown by solution method. <i>Journal of Crystal Growth</i> , 2009, 311, 3835-3840.	0.7	42
1509	Growth and characterization of organic nonlinear optical material: Benzilic acid. <i>Journal of Crystal Growth</i> , 2009, 311, 3849-3854.	0.7	23
1510	Growth and characterization of glycine picrateâ€”Remarkable second-harmonic generation in centrosymmetric crystal. <i>Journal of Crystal Growth</i> , 2009, 311, 3871-3875.	0.7	89
1511	Growth and characterization of a nonlinear optical crystal: l-histidine trifluoroacetate. <i>Journal of Crystal Growth</i> , 2009, 311, 3904-3910.	0.7	30
1512	Synthesis, growth and characterization of semi-organic nonlinear optical bis thiourea antimony tri bromide (BTAB) single crystals. <i>Journal of Crystal Growth</i> , 2009, 312, 114-119.	0.7	27

#	ARTICLE	IF	CITATIONS
1513	Synthesis, growth, thermal, optical and mechanical properties of new organic NLO crystal: l-alanine dl-malic acid. <i>Journal of Crystal Growth</i> , 2009, 312, 120-124.	0.7	30
1514	Synthesis and electrochemical studies of $\hat{1}$ -5-monocyclopentadienylruthenium(II) complexes with substituted thiophene nitrile ligands. Crystal structure of $[\text{Ru}(\hat{1}\text{-5-C}_5\text{H}_5)(\text{dppe})(\text{NC}\{\text{SC}_4\text{H}_2\}_2\text{NO}_2)][\text{PF}_6]$. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2888-2897.	0.8	9
1515	Synthesis, crystal structures and properties of three new mixed-ligand d10 metal complexes constructed from pyridinecarboxylate and in situ generated amino-tetrazole ligand. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1899-1906.	1.4	44
1516	Strontium-copper selenite-chlorides: Synthesis and structural investigation. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2368-2373.	1.4	16
1517	Syntheses and characterization of two oxoborates, $(\text{Pb}_3\text{O})_2(\text{BO}_3)_2\text{MO}_4$ (M=Cr, Mo). <i>Journal of Solid State Chemistry</i> , 2009, 182, 3091-3097.	1.4	18
1518	Crystal structure and electron density in the apatite-type ionic conductor $\text{La}_{9.71}(\text{Si}_{5.81}\text{Mg}_{0.18})\text{O}_{26.37}$. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2846-2851.	1.4	35
1519	Growth of ninhydrin single crystal and its characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 71, 1667-1672.	2.0	29
1520	Crystal growth, structural, optical, mechanical and thermal properties of a new nonlinear optical single crystal: l-Ornithine monohydrochloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 269-273.	2.0	19
1521	Growth, structural, spectroscopic and optical studies of pure and amino acid (glycine) doped methyl-para-hydroxy benzoate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 687-690.	2.0	4
1522	Analysis of vibrational spectra of 1-chloro-2,4-dinitrobenzene based on density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 738-742.	2.0	35
1523	Synthesis and characterization of a new metal-organic NLO material: Dibromo bis(triphenylphosphine) Tj ETQq0 0 0 rgBT /Overlock 10 T 816-818.	2.0	9
1524	Growth and spectroscopic characterization of a new organic nonlinear optical crystal: l-Alaninium succinate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 753-756.	2.0	43
1525	Comparative study of pure and alkaline earth metallic doped cadmium mercury thiocyanate single crystals-Gel technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 127-132.	2.0	1
1526	Growth and characterization of a new nonlinear optical crystal: $[(18\text{C}6)\text{Li}][\text{Cd}(\text{SCN})_3]$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 532-535.	2.0	11
1527	Crystal growth and comparative studies of XRD, spectral studies on new NLO crystals: l-Valine and l-valinium succinate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 825-828.	2.0	30
1528	Synthesis and characterization of a new organic nonlinear optical crystal: l-Phenylalaninium maleate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 917-923.	2.0	19
1529	Synthesis, growth and characterization of bis (glycine) lithium molybdate-A semi-organic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 955-958.	2.0	8
1530	Effect of KCl addition on crystal growth and spectral properties of glycine single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 1160-1164.	2.0	40

#	ARTICLE	IF	CITATIONS
1531	Multifunctional zinc(II) urocanate with rare fivefold interpenetrating diamondoid network. <i>Inorganic Chemistry Communication</i> , 2009, 12, 89-91.	1.8	17
1532	Synthesis, characterization and luminescent property of a novel zinc(II) 1,2,3,4-tetra(4-pyridyl)thiophene metal-organic framework. <i>Inorganic Chemistry Communication</i> , 2009, 12, 986-989.	1.8	12
1533	One new nonlinear optical and ferroelectric one-dimensional chain constructed by an unsymmetric bridging ligand. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1164-1167.	1.8	19
1534	Chirality- and Threefold-Symmetry-Directed Assembly of Homochiral Octupolar Metal-Organoboron Frameworks. <i>Inorganic Chemistry</i> , 2009, 48, 10018-10023.	1.9	49
1535	Nonlinear optical activity and spectroscopy of L-nitrohistidine monohydrate. <i>Journal of Contemporary Physics</i> , 2009, 44, 43-49.	0.1	19
1536	Preparation, spectrographic characterization, thermal, second and third order nonlinear optical properties of 4,5-bis(furoylsulfanyl)-1,3-dithiole-2-thione. <i>Laser Physics</i> , 2009, 19, 1858-1866.	0.6	5
1537	Structure and nonlinear optical properties of the family of lead and barium nonaborates with a zeolite-like framework. <i>Crystallography Reports</i> , 2009, 54, 814-821.	0.1	17
1538	Use of photophysically active units of ionic polypseudorotaxanes for analysis of the supramolecular structure of the polymer necklace. <i>Physics of the Solid State</i> , 2009, 51, 620-625.	0.2	1
1539	Interrelation of the macrostructure and microstructure with the nonlinear optical properties of iodate and titanate crystals. <i>Physics of the Solid State</i> , 2009, 51, 1548-1552.	0.2	13
1540	Spotting Conglomerates by Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2009, 9, 2713-2718.	1.4	65
1541	Influence of deviatoric stress on the pressure-induced structural phase transition of ZnO studied by optical second harmonic generation measurements. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	35
1542	Noncentrosymmetry in New Templated Gallium Fluorophosphates. <i>Inorganic Chemistry</i> , 2009, 48, 11277-11282.	1.9	33
1543	Frustration of Magnetic and Ferroelectric Long-Range Order in $\text{Bi}_2\text{Mn}_4/3\text{Ni}_2/3\text{O}_6$. <i>Journal of the American Chemical Society</i> , 2009, 131, 14000-14017.	6.6	27
1544	Semiorganic Nonlinear Optical Material: Preparation and Properties of $(\text{NH}_4)_2\text{Sr}[\text{L}(\text{C}_4\text{H}_2\text{O}_6)_2\text{B}(\text{OH})_2] \cdot 4\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2009, 48, 4806-4810.	1.9	44
1545	$(\text{H}_2\text{NC}_4\text{H}_8\text{NCH}_2\text{CH}_2\text{NH}_2)_2\text{Zn}_2\text{Sn}_2\text{Se}_7$: a hybrid ternary semiconductor stabilized by amine molecules acting simultaneously as ligands and counterions. <i>Chemical Communications</i> , 2009, , 1556.	2.2	10
1546	Synthesis, Structure, and Properties of the Noncentrosymmetric Hydrated Borate $\text{Na}_2\text{B}_5\text{O}_8(\text{OH}) \cdot 2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2009, 48, 7800-7804.	1.9	74
1547	Coordination Polymers Assembled from 3,5-Pyrazoledicarboxylic Acid and Bis(triazolyl) Ligands: Chiral and <i>Meso</i> -Structures Induced by Ligand Flexibility and a Six-Connected Self-Catenated Network. <i>Crystal Growth and Design</i> , 2009, 9, 4487-4496.	1.4	51
1548	A Polar and Chiral Indium Telluride Featuring Supertetrahedral T_2 Clusters and Nonlinear Optical Second Harmonic Generation. <i>Chemistry of Materials</i> , 2009, 21, 12-14.	3.2	102

#	ARTICLE	IF	CITATIONS
1549	A Multifunctional 3D Ferroelectric and NLO-Active Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2009, 131, 6894-6895.	6.6	264
1550	A Novel Nonlinear Optical Crystal Bi_2ZnO_6 . <i>Crystal Growth and Design</i> , 2009, 9, 4091-4095.	1.4	99
1551	Building Units and Intergrowths: Toward the Design of an Extended Family of Acentric Bi-Based Materials with Second Harmonic Generacy. <i>Chemistry of Materials</i> , 2009, 21, 4019-4029.	3.2	19
1552	New Noncentrosymmetric Material - $[\text{N}(\text{CH}_3)_4]\text{ZnCl}_3$: Polar Chains of Aligned ZnCl_4 Tetrahedra. <i>Inorganic Chemistry</i> , 2009, 48, 8376-8382.	1.9	55
1553	Growth, Morphology, Thermal, Spectral, Linear, and Nonlinear Optical Properties of α -Arginine Bis(trifluoroacetate) Crystal. <i>Crystal Growth and Design</i> , 2009, 9, 3251-3259.	1.4	65
1554	A new nonlinear optical crystal $\text{Bi}_2\text{LayScz}(\text{BO}_3)_4$ ($x+y+z=4$). <i>Journal of Alloys and Compounds</i> , 2009, 481, 664-667.	2.8	13
1555	Strong Second Harmonic Generation from the Tantalum Thioarsenates $\text{A}_3\text{Ta}_2\text{AsS}_{11}$ (A = K and Rb). <i>Journal of the American Chemical Society</i> , 2009, 131, 75-77.	6.6	243
1556	Complete spatial and temporal locking in phase-mismatched second-harmonic generation. <i>Optics Express</i> , 2009, 17, 3141.	1.7	41
1557	New (3,4)-connected intrinsically chiral topology observed in a homochiral coordination polymer from achiral precursors. <i>CrystEngComm</i> , 2009, 11, 1526.	1.3	30
1558	Synthesis, Crystal Growth, and Characterization of an Organic Nonlinear Optical Donor-Acceptor Single Crystal: 2-Amino-5-nitropyridinium-Toluenesulfonate. <i>Crystal Growth and Design</i> , 2009, 9, 3333-3337.	1.4	46
1559	Synthesis, Crystal Growth and Characterization of α -Proline Lithium Chloride Monohydrate: A New Semiorganic Nonlinear Optical Material. <i>Crystal Growth and Design</i> , 2009, 9, 1370-1374.	1.4	45
1560	Optical Nonlinearities and Molecular Conformations in Thiophene-Based Hydrazone Crystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15405-15411.	1.5	16
1561	Cocrystal Controlled Solid-State Synthesis of a Thermally Stable Nicotinate Analogue That Sustains an Isostructural Series of Porous Metal-Organic Materials. <i>Crystal Growth and Design</i> , 2009, 9, 5021-5023.	1.4	22
1562	Influence of phenolic hydroxyl groups on second-order optical nonlinearity at an example of 2,4- and 3,4-dihydroxyl hydrazone isomorphous crystals. <i>Journal of Chemical Physics</i> , 2009, 130, 134708.	1.2	30
1563	Crystal engineering by eliminating weak hydrogen bonding sites in phenolic polyene nonlinear optical crystals. <i>CrystEngComm</i> , 2009, 11, 1541.	1.3	24
1564	Second-Harmonic Generation and Crystal Structure of the Diamond-like Semiconductors $\text{Li}_2\text{CdGeS}_4$ and $\text{Li}_2\text{CdSnS}_4$. <i>Inorganic Chemistry</i> , 2009, 48, 7516-7518.	1.9	211
1565	CRYSTAL GROWTH, THERMAL, OPTICAL AND MICROHARDNESS STUDIES OF TRIS (THIOUREA) MAGNESIUM SULPHATE: A SEMIORGANIC NLO MATERIAL. <i>Modern Physics Letters B</i> , 2009, 23, 3035-3043.	1.0	12
1566	A ferroelectric inorganic-organic hybrid based on NLO-phore stilbazolium. <i>Journal of Materials Chemistry</i> , 2009, 19, 2179.	6.7	95

#	ARTICLE	IF	CITATIONS
1567	$\hat{I}\pm$ - to \hat{I}^2 -(dmes)BiI ₅ (dmes = Dimethyl(2-ethylammonium)sulfonium Dication): Umbrella Reversal of Sulfonium in the Solid State and Short I $\hat{A}\hat{A}$ I Interchain Contacts \hat{E} Crystal Structures, Optical Properties, and Theoretical Investigations of 1D Iodobismuthates. <i>Inorganic Chemistry</i> , 2009, 48, 879-888.	1.9	77
1568	Metal \hat{A} Organic Coordination Polymers Generated from Chiral Camphoric Acid and Flexible Ligands with Different Spacer Lengths: Syntheses, Structures, and Properties. <i>Crystal Growth and Design</i> , 2009, 9, 4872-4883.	1.4	67
1569	NaSb ₃ F ₁₀ : A new second-order nonlinear optical crystal to be used in the IR region with very high laser damage threshod. <i>Applied Physics Letters</i> , 2009, 95, 261104.	1.5	64
1570	Second-Order Nonlinear Optical Properties of Polyoxometalate Salts of a Chiral Stilbazolium Derivative. <i>Inorganic Chemistry</i> , 2009, 48, 6222-6228.	1.9	66
1571	Alteration of Molecular Conformations, Coordination Modes, and Architectures for a Novel 3,8-Diimidazol-1,10-phenanthroline Compound in the Construction of Cadmium(II) and Zinc(II) Homochiral Coordination Polymers Involving an Auxiliary Chiral Camphorate Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 4295-4305.	1.9	73
1572	Growth and Characterization of BaGa ₄ S ₇ : A New Crystal for Mid-IR Nonlinear Optics. <i>Crystal Growth and Design</i> , 2009, 9, 1186-1189.	1.4	346
1573	Noncentrosymmetric Polar Oxide Material, Pb ₃ SeO ₅ : Synthesis, Characterization, Electronic Structure Calculations, and Structure \hat{A} Property Relationships. <i>Chemistry of Materials</i> , 2009, 21, 5335-5342.	3.2	136
1574	Electronic band structure and linear optical properties of paraelectric KIO ₃ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 125503.	0.7	1
1575	Preparation, Characterization and Optical Property of Chitosan-Phenothiazine Derivative by Microwave Assisted Synthesis. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1095-1102.	1.2	26
1576	Growth, Structure, and Optical Properties of a Congruent Melting Oxyborate, Bi ₂ ZnOB ₂ O ₆ . <i>Chemistry of Materials</i> , 2009, 21, 2846-2850.	3.2	104
1577	Flexible Polar Nanowires of Cs ₅ BiP ₄ Se ₁₂ from Weak Interactions between Coordination Complexes: Strong Nonlinear Optical Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2009, 131, 2647-2656.	6.6	94
1578	Syntheses, Crystal Structures, and Properties of Five New Transition Metal Molybdenum(VI) Selenites and Tellurites. <i>Inorganic Chemistry</i> , 2009, 48, 11809-11820.	1.9	48
1579	Aluminoborates with Open Frameworks: Syntheses, Structures, and Properties. <i>Inorganic Chemistry</i> , 2009, 48, 3650-3659.	1.9	142
1580	Crystal Growth, Structure, and Properties of a Non-Centrosymmetric Fluoride Borate, Ba ₃ Sr ₄ (BO ₃) ₃ F ₅ . <i>Crystal Growth and Design</i> , 2009, 9, 3137-3141.	1.4	36
1581	A new layered aluminoborate [Zn(dien) ₂][{Al(OH)}{B ₅ O ₉ F}] templated by transition metal complexes. <i>CrystEngComm</i> , 2009, 11, 2597.	1.3	55
1582	Spontaneous chiral resolution, nonlinear optical and luminescence of eight-coordinate lanthanide(III) complexes. <i>Dalton Transactions</i> , 2009, , 10166.	1.6	23
1583	Homochiral zinc phosphonates with layered and open framework structures using polycarboxylate as second linkers. <i>Dalton Transactions</i> , 2009, , 9837.	1.6	31
1584	Magnetization-induced second harmonic generation in a three-dimensional manganese octacyanoniobate-based pyroelectric ferrimagnet. <i>CrystEngComm</i> , 2009, 11, 2051.	1.3	37

#	ARTICLE	IF	CITATIONS
1585	Synthesis, structure and property of cobalt(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoic acid. <i>CrystEngComm</i> , 2009, 11, 873.	1.3	55
1586	Effect of alkaline earth and transition metals doping on the properties and crystalline perfection of potassium hydrogen phthalate (KHP) crystals. <i>CrystEngComm</i> , 2009, 11, 1635.	1.3	21
1587	Metal-organic frameworks with six- and four-fold interpenetration and their photoluminescence and adsorption property. <i>CrystEngComm</i> , 2009, 11, 2728.	1.3	50
1588	Explorations of new second-order NLO materials in the AgI-MoVI/WVI-TeIV-O systems. <i>Dalton Transactions</i> , 2009, , 5747.	1.6	53
1589	New Polar Oxides: Synthesis, Characterization, Calculations, and Structure-Property Relationships in $\text{RbSe}_2\text{VO}_{12}$ and $\text{TlSe}_2\text{VO}_{12}$. <i>Chemistry of Materials</i> , 2009, 21, 1654-1662.	3.2	119
1590	KMBP ₂ O ₈ (M = Sr, Ba): A New Kind of Noncentrosymmetry Borophosphate with the Three-Dimensional Diamond-like Framework. <i>Inorganic Chemistry</i> , 2009, 48, 6623-6629.	1.9	93
1591	Flux Synthesis of Salt-Inclusion Uranyl Silicates: $[\text{K}_3\text{Cs}_4\text{F}][(\text{UO}_2)_3(\text{Si}_2\text{O}_7)_2]$ and $[\text{NaRb}_6\text{F}][(\text{UO}_2)_3(\text{Si}_2\text{O}_7)_2]$. <i>Inorganic Chemistry</i> , 2009, 48, 8357-8361.	1.9	45
1592	Metal-Organic Coordination Polymers Containing Pyridine-2,3-dicarboxylic Acid N-Oxide (2,3-PDCO). <i>Crystal Growth and Design</i> , 2009, 9, 227-238.	1.4	53
1593	Alignment of Lone Pairs in a New Polar Material: Synthesis, Characterization, and Functional Properties of $\text{Li}_2\text{Ti}(\text{IO}_3)_6$. <i>Journal of the American Chemical Society</i> , 2009, 131, 2426-2427.	6.6	291
1594	Polar or Nonpolar? A ⁺ Cation Polarity Control in $\text{A}_2\text{Ti}(\text{IO}_3)_6$ (A = Li, Na, K, Rb, Cs, Tl). <i>Journal of the American Chemical Society</i> , 2009, 131, 6865-6873.	6.6	266
1595	$\text{BaNbO}(\text{IO}_3)_5$: A New Polar Material with a Very Large SHG Response. <i>Journal of the American Chemical Society</i> , 2009, 131, 9486-9487.	6.6	306
1596	Synthesis, Crystal Structure, and Photoluminescence of Coordination Polymers with Mixed Ligands and Diverse Topologies. <i>Crystal Growth and Design</i> , 2009, 9, 2801-2811.	1.4	133
1597	Glycine lithium nitrate crystals: growth and optical properties. <i>Radiation Effects and Defects in Solids</i> , 2009, 164, 523-532.	0.4	4
1598	Nonlinear optics and surface relief gratings in alkynyl-ruthenium complexes. <i>Journal of Optics</i> , 2009, 11, 024005.	1.5	96
1599	Chalcogenide Chemistry in Ionic Liquids: Nonlinear Optical Wave-Mixing Properties of the Double-Cubane Compound $[\text{Sb}_7\text{S}_8\text{Br}_2](\text{AlCl}_4)_3$. <i>Journal of the American Chemical Society</i> , 2009, 131, 9896-9897.	6.6	239
1600	Zinc potassium phosphate hexahydrate crystals for nonlinear optics. <i>EPJ Applied Physics</i> , 2009, 47, 30701.	0.3	18
1601	Synthesis, properties, and structure of potassium titanyl phosphate single crystals doped with hafnium. <i>Crystallography Reports</i> , 2010, 55, 404-411.	0.1	6
1602	New isoformula potassium borosilicates with different zeolite frameworks: Monoclinic centrosymmetric boroleucite $\text{K}(\text{BSi}_2\text{O}_6)$ and chiral KBSi_2O_6 . <i>Crystallography Reports</i> , 2010, 55, 575-582.	0.1	8

#	ARTICLE	IF	CITATIONS
1603	Theoretical and experimental comparative studies of nonlinear optical properties for selected melaminium compounds. <i>Open Chemistry</i> , 2010, 8, 1192-1202.	1.0	5
1604	Experimental and Computational Investigation of the Polar Ferrimagnet VOSe ₂ O ₅ . <i>Chemistry of Materials</i> , 2010, 22, 5074-5083.	3.2	20
1605	A Series of New Ternary and Quaternary Compounds in the Li ⁺ Ga ³⁺ TeV ⁵⁺ O System. <i>Inorganic Chemistry</i> , 2010, 49, 11573-11580.	1.9	38
1606	Soluble Semiconductors AAsSe ₂ (A = Li, Na) with a Direct-Band-Gap and Strong Second Harmonic Generation: A Combined Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2010, 132, 3484-3495.	6.6	218
1607	Two Thermostable Three-Dimensional Homochiral Metal ⁺ Organic Polymers with Quartz Topology. <i>Crystal Growth and Design</i> , 2010, 10, 1307-1311.	1.4	78
1608	Generation of coherent waves by frequency up-conversion and down-conversion of incoherent light. <i>Physical Review A</i> , 2010, 82, .	1.0	16
1609	Growth, thermal, optical and birefringence studies of semiorganic nonlinear optical thiosemicarbazide cadmium chloride monohydrate (TCCM) single crystals. <i>Optik</i> , 2010, 121, 773-777.	1.4	19
1610	Growth and characterization of a new semiorganic nonlinear optical crystal-Bis (thiourea) lithium chloride. <i>Optik</i> , 2010, 121, 1620-1624.	1.4	15
1611	Growth and characterization of 1H-Imidazolium Hydrogen l-tartrate single crystals. <i>Journal of Crystal Growth</i> , 2010, 312, 542-547.	0.7	18
1612	Growth, characterization, non-linear optical properties and dislocation studies in new GCF crystals. <i>Journal of Crystal Growth</i> , 2010, 312, 1150-1153.	0.7	9
1613	Synthesis, growth and electrical characterization of l-tartaric acid ⁺ nicotinamide (LTN) single crystals. <i>Journal of Crystal Growth</i> , 2010, 312, 1599-1604.	0.7	16
1614	Flux growth and morphology analysis of Na ₃ VO ₂ B ₆ O ₁₁ crystals. <i>Journal of Crystal Growth</i> , 2010, 312, 2263-2266.	0.7	9
1615	Synthesis, crystal structure, characterization and DFT studies of L-valine L-valinium hydrochloride. <i>Journal of Crystal Growth</i> , 2010, 312, 1977-1982.	0.7	37
1616	Difficulties in the growth and characterization of non-linear optical materials: A case study of salts of amino acids. <i>Journal of Crystal Growth</i> , 2010, 312, 2284-2290.	0.7	111
1617	Growth and characterization of organic molecular single crystal ethyl p-amino benzoate by selective self seeding from vertical Bridgman technique. <i>Journal of Crystal Growth</i> , 2010, 312, 2423-2426.	0.7	10
1618	Synthesis, growth and characterization of an organometallic complex tri-allylthiourea cadmium bromide single crystals. <i>Current Applied Physics</i> , 2010, 10, 858-865.	1.1	14
1619	Crystal growth and characterization of an NLO organic crystal: N ⁺ -(Z)-(4-methylphenyl)methylidene]-4-nitrobenzohydrazide. <i>Current Applied Physics</i> , 2010, 10, 1236-1241.	1.1	31
1620	Studies on the structural, optical, dielectric and mechanical properties of non-linear optical manganese mercury Tetrathiocyanate glycol mono methyl ether (MMTG) single crystal. <i>Current Applied Physics</i> , 2010, 10, 1261-1266.	1.1	23

#	ARTICLE	IF	CITATIONS
1621	Vibrational contributions to the second-order nonlinear optical properties of π -conjugated structure acetoacetanilide. <i>Chemical Physics</i> , 2010, 369, 1-7.	0.9	53
1622	Synthesis, crystal structure, spectrum properties, and electronic structure of a novel non-centrosymmetric borate, $\text{BiCd}_3(\text{AlO})_3(\text{BO}_3)_4$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2910-2916.	1.4	23
1623	Synthesis and structures of two novel non-centrosymmetric metal-organic polymers containing 2-(pyridin-4-yl)-1H-imidazole-4,5-dicarboxylic acid ligands. <i>Journal of Molecular Structure</i> , 2010, 963, 16-21.	1.8	45
1624	Synthesis and structural characterization of Keggin polyoxometalate compounds with arginium(2+) cations. <i>Journal of Molecular Structure</i> , 2010, 963, 267-273.	1.8	14
1625	Effect of ion irradiation on the M-Nitroaniline single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 36-41.	0.6	18
1626	Crystal growth and comparison of vibrational and thermal properties of semi-organic nonlinear optical materials. <i>Pramana - Journal of Physics</i> , 2010, 75, 683-690.	0.9	18
1627	Spectroscopic characterization of Brooker's merocyanine in Silicalite-1 and ZSM-5 leading to second harmonic generation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 65-73.	1.6	1
1628	Synthesis, spectral characterisation and thermal studies of zirconyl complexes of biologically active molecules. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 509-513.	2.0	9
1629	Effect of zinc(II) doping on thermal and optical properties of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 751-756.	2.0	43
1630	Influence of alkali metal sodium doping on the properties of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 861-865.	2.0	30
1631	Effect of anthracene doping on potassium hydrogen phthalate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 821-826.	2.0	11
1632	Thermal, UV and FTIR spectral studies of urea-thiourea zinc chloride single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 763-768.	2.0	42
1633	Os(VIII) doping effects on the properties and crystalline perfection of potassium hydrogen phthalate (KHP) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 793-799.	2.0	30
1634	Thermal, UV and FTIR spectral studies in alkali metal cinnamates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 811-815.	2.0	20
1635	Growth, spectral and thermal characterization of 8-hydroxyquinoline. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 827-830.	2.0	35
1636	Thermal and optical properties of ZTS single crystals in the presence of 1,10-phenanthroline (Phen). <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 831-837.	2.0	17
1637	TGA, DTA, UV and FTIR spectroscopic studies of urea-thiourea mixed crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 853-856.	2.0	26
1638	Crystal structure, crystal growth and characterization of novel organic NLO material: 2,4,4'-Trimethoxybenzophenone. <i>Materials Chemistry and Physics</i> , 2010, 119, 533-538.	2.0	23

#	ARTICLE	IF	CITATIONS
1639	Preparation, characterization and optical properties of a novel azo-based chitosan biopolymer. <i>Materials Chemistry and Physics</i> , 2010, 120, 361-370.	2.0	37
1640	Unidirectional growth of l-proline cadmium chloride monohydrate single crystal and its characterization for structural, vibrational, LDT, optical and dielectric properties. <i>Materials Chemistry and Physics</i> , 2010, 120, 566-570.	2.0	52
1641	Growth and characterization of a new non-linear optical barium strontium borate (BSB) single crystal. <i>Materials Chemistry and Physics</i> , 2010, 121, 22-27.	2.0	15
1642	Effect of metal and aminoacid dopants on the growth and properties of l-lysine monohydrochloride dihydrate single crystal. <i>Materials Chemistry and Physics</i> , 2010, 124, 681-688.	2.0	16
1643	Crystal growth, structure and characterizations of a new semiorganic nonlinear optical material—l-Alanine zinc chloride. <i>Materials Research Bulletin</i> , 2010, 45, 897-904.	2.7	29
1644	Synthesis, spectral and thermal studies of new nonlinear optical crystal: l-valinium fumarate. <i>Materials Letters</i> , 2010, 64, 108-110.	1.3	12
1645	Second harmonic generation in Er ³⁺ :Yb ³⁺ :YBO ₃ . <i>Materials Letters</i> , 2010, 64, 650-653.	1.3	3
1646	Organic nonlinear optical crystal 4-hydroxy-N-methyl 4-stilbazolium besylate synthesis and characterization. <i>Materials Letters</i> , 2010, 64, 1989-1991.	1.3	9
1647	Photoinduced effects in l-alanine crystals. <i>Materials Letters</i> , 2010, 64, 1957-1959.	1.3	33
1648	Nd ₆ Li(BO ₃) ₃ O ₄ F ₂ : A novel neodymium oxyborate fluoride containing two-dimensional Nd layers. <i>Solid State Sciences</i> , 2010, 12, 73-75.	1.5	6
1649	Non-centrosymmetric sodium borate: Crystal growth, characterization and properties on Na ₂ B ₄ O ₁₂ H ₁₀ . <i>Solid State Sciences</i> , 2010, 12, 1726-1730.	1.5	15
1650	Growth, chemical and structural analysis of glycine potassium iodate (GPI): A new non-linear optical material. <i>Solid State Sciences</i> , 2010, 12, 1831-1836.	1.5	2
1651	A new potassium rare earth oxyborate K ₂ La ₂ (BO ₃) ₂ O. <i>Solid State Sciences</i> , 2010, 12, 2144-2147.	1.5	11
1652	Growth and characterization of l-valine—a nonlinear optical crystal. <i>Crystal Research and Technology</i> , 2010, 45, 70-74.	0.6	53
1653	Effect of strontium chloride on the optical and mechanical properties of l-alanine glycine crystals. <i>Crystal Research and Technology</i> , 2010, 45, 497-502.	0.6	27
1654	Growth and characterization of l-alanine doped KDP crystals. <i>Crystal Research and Technology</i> , 2010, 45, 603-610.	0.6	63
1655	Orientation of Second Harmonic Generation Active Phenylsulfonyl Chromophores Attached on Layered Lead(II) Phosphonates. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4865-4869.	1.0	15
1657	A Series of Open Framework Aluminoborates Templated by Transition Metal Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 4852-4863.	1.7	103

#	ARTICLE	IF	CITATIONS
1658	Intermediate States on the Way to Edge-Shared BO ₄ Tetrahedra in M ₆ B ₂₂ O ₃₉ ·nH ₂ O (M=Fe, Co). Chemistry - A European Journal, 2010, 16, 13659-13670.	1.7	38
1659	Preparation, characterization, and optical properties of a chitosan-anthraldehyde crosslinkable film. Journal of Applied Polymer Science, 2010, 115, 3056-3062.	1.3	42
1660	Vibrational spectroscopic studies and computational study of methyl(2-methyl-4,6-dinitrophenylsulfanyl)ethanoate. Journal of Raman Spectroscopy, 2010, 41, 829-838.	1.2	7
1661	Growth and characterization of NLO based L-arginine maleate dihydrate single crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 74-76.	2.0	35
1662	Growth and characterization of 2-amino-4-picolinium 4-aminobenzoate single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1223-1227.	2.0	32
1663	Semiorganic nonlinear optical L-lysine sulphate growth and characterization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1394-1397.	2.0	16
1664	Crystal growth and spectral studies of nonlinear optical β -glycine single crystal grown from phosphoric acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 490-495.	2.0	46
1665	Structural, spectroscopic and nonlinear optical studies on a new efficient organic donor-acceptor crystal for second harmonic generation: L-Threoninium picrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 160-163.	2.0	31
1666	Synthesis, growth and characterization of strontium bis (hydrogen L-malate) hexahydrate bulk single crystal: A promising semi-organic nonlinear optical material. Journal of Crystal Growth, 2010, 312, 276-281.	0.7	33
1667	Growth and characterization of a nonlinear optical crystal 2-hydroxy-3-methoxy-N-(2-chloro-benzyl)-benzaldehyde-imine. Journal of Crystal Growth, 2010, 312, 301-304.	0.7	19
1668	Growth, structural, optical, thermal and mechanical studies of novel semi-organic NLO active single crystal: Heptaqua-p-nitrophenolato strontium (II) nitrophenol. Journal of Crystal Growth, 2010, 312, 793-799.	0.7	18
1669	Crystal growth and characterization of L-tyrosine bromide (LTB) nonlinear optical single crystals. Journal of Crystal Growth, 2010, 312, 837-841.	0.7	17
1670	Growth, optical, thermal, piezo and ferroelectric studies on ethylenediamine ditartrate dihydrate (EDADTDH) single crystals. Journal of Crystal Growth, 2010, 312, 1040-1045.	0.7	15
1671	Crystal growth and characterization of non-centrosymmetric polyphosphates, type III KNd(PO ₃) ₄ and KGd(PO ₃) ₄ . Journal of Crystal Growth, 2010, 312, 1627-1631.	0.7	6
1672	Synthesis, growth and characterization of organic nonlinear optical bis-glycine maleate (BGM) single crystals. Journal of Crystal Growth, 2010, 312, 1855-1859.	0.7	35
1673	Gel growth of α and β glycine and their characterization. Journal of Crystal Growth, 2010, 312, 2729-2733.	0.7	38
1674	Unidirectional growth of L-asparagine monohydrate single crystal: First time observation of NLO nature and other studies of crystalline perfection, optical, mechanical and dielectric properties. Journal of Crystal Growth, 2010, 312, 3171-3177.	0.7	73
1675	Growth and characterization of a solution grown, new organic crystal: L-histidine-4-nitrophenolate 4-nitrophenol (LHPP). Journal of Crystal Growth, 2010, 313, 30-36.	0.7	39

#	ARTICLE	IF	CITATIONS
1676	Structural, mechanical, optical, dielectric and SHG studies of undoped and urea-doped β -glycine crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 738-743.	1.3	18
1677	Single crystal growth, structural characterization, thermal and optical properties of a novel organometallic nonlinear optical crystal: $\text{MnHg}(\text{SCN})_4(\text{C}_2\text{H}_5\text{NO})_2$. <i>Physica B: Condensed Matter</i> , 2010, 405, 1071-1080.	1.3	30
1678	Crystal growth, structural and optical characterization of a semi-organic single crystal for frequency conversion applications. <i>Physica B: Condensed Matter</i> , 2010, 405, 4951-4956.	1.3	19
1679	Synthesis, structure and theoretical studies of a new ternary non-centrosymmetric β - LaGaS_3 . <i>Journal of Solid State Chemistry</i> , 2010, 183, 444-450.	1.4	22
1680	$\text{K}_2\text{Fe}_2\text{B}_2\text{O}_7$: A transparent nonlinear optical crystal with frustrated magnetism. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1221-1225.	1.4	21
1681	Synthesis, crystal structure and nonlinear optical property of $\text{Rb}_3\text{V}_5\text{O}_{14}$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2759-2762.	1.4	8
1682	Synthesis and spectral characterization of alkaline earth metal complexes: Crystal structure of a $\text{Ca}(\text{II})$ hippuric acid complex. <i>Polyhedron</i> , 2010, 29, 3164-3169.	1.0	8
1683	Metal-organic open frameworks with one-dimension channels assembled with pyridine 2,6-dicarboxylic acid and N-containing auxiliary ligands: Syntheses, crystal structures, and physical characterization. <i>Inorganica Chimica Acta</i> , 2010, 363, 891-898.	1.2	34
1684	Thermal, mechanical, electrical, linear and nonlinear optical properties of l-arginine dihydrofluoride single crystal. <i>Physica B: Condensed Matter</i> , 2010, 405, 192-197.	1.3	13
1685	Crystal growth and characterizations of l-cystine dihydrobromide: A semiorganic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2010, 405, 1119-1124.	1.3	13
1686	Effect of Mg^{2+} substitution on structural, dielectric, and transport properties of l-tartaric acid-nicotinamide organic crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 1221-1227.	1.3	4
1687	Influence of metal dopants (Cu and Mg) on the thermal, mechanical and optical properties of l-alanine acetate single crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 1233-1238.	1.3	18
1688	Structural, spectral, thermal, dielectric, mechanical and optical properties of urea l-alanine acetate single crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 2394-2400.	1.3	28
1689	Laser-induced optical effects in triglycine-zinc chloride single crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 2827-2830.	1.3	25
1690	Growth and characterization of organometallic l-alanine cadmium chloride single crystal by slow evaporation technique. <i>Physica B: Condensed Matter</i> , 2010, 405, 3857-3861.	1.3	45
1691	Crystalline perfection, spectroscopic investigations and transport properties of triglycine zinc chloride NLO single crystal. <i>Physica B: Condensed Matter</i> , 2010, 405, 3929-3935.	1.3	10
1692	Growth of Cu^{2+} and Mg^{2+} doped nonlinear optical LATF crystals and their characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 166, 203-208.	1.7	10
1693	Synthesis, growth and studies of undoped and sodium chloride-doped Zinc Tris-thiourea Sulphate (ZTS) single crystals. <i>Current Applied Physics</i> , 2010, 10, 664-669.	1.1	28

#	ARTICLE	IF	CITATIONS
1694	Nonlinear optical susceptibilities of diglyciny l thiourea for frequency conversion and optical limiting applications. <i>Chemical Physics Letters</i> , 2010, 491, 248-253.	1.2	32
1695	One-pot synthesis and characterization of novel boronates for the growth of single crystals with nonlinear optical properties. <i>Dyes and Pigments</i> , 2010, 87, 76-83.	2.0	20
1696	(CH ₃ NH ₃) ₂ [Ge(B ₄ O ₉)]: An organically-templated chiral borogermanate with second-order nonlinear and ferroelectric properties. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1047-1049.	1.8	28
1697	Enhancement of SHG efficiency by urea doping in ZTS single crystals and its correlation with crystalline perfection as revealed by Kurtz powder and high-resolution X-ray diffraction methods. <i>Journal of Applied Crystallography</i> , 2010, 43, 154-162.	1.9	162
1698	Enhancement of second harmonic generation, optical and dielectric properties in L-asparagine monohydrate single crystals due to an improvement in crystalline perfection by annealing. <i>Journal of Applied Crystallography</i> , 2010, 43, 491-497.	1.9	66
1699	Unidirectional growth of L-cysteine hydrochloride monohydrate: first time observation as nonlinear optical material and its characterization. <i>Journal of Applied Crystallography</i> , 2010, 43, 710-715.	1.9	25
1700	Photophysikalische Eigenschaften organischer Farbstoffe und deren Nutzung auf dem Lasergebiet. <i>Zeitschrift für Chemie</i> , 1970, 10, 409-423.	0.0	7
1701	Second-harmonic generation from thin films of mixtures of an aggregated chiral 4-nitroazobenzene dye and amylose acetate. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1994, 113, 250-259.	0.0	7
1702	Optical properties of ferroelectric nanocrystal/polymer composites. , 2010, , 108-158.		17
1703	Scan Investigations on Organic and Semiorganic Single Crystals for Optical Device Applications. <i>Integrated Ferroelectrics</i> , 2010, 121, 46-50.	0.3	0
1704	Interpenetrating and Self-Penetrating Zinc(II) Complexes with Rigid Tripodal Imidazole-Containing Ligand and Benzenedicarboxylate. <i>Crystal Growth and Design</i> , 2010, 10, 1911-1922.	1.4	152
1705	Coordination and Organometallic Complexes as Second-Order Nonlinear Optical Molecular Materials. <i>Topics in Organometallic Chemistry</i> , 2010, , 1-55.	0.7	100
1706	Two Chiral Nonlinear Optical Coordination Networks Based on Interwoven Two-Dimensional Square Grids of Double Helices. <i>Crystal Growth and Design</i> , 2010, 10, 5291-5296.	1.4	44
1708	Synthesis, Structures, and Properties of Zinc(II) and Cadmium(II) Complexes with 1,2,4,5-Tetrakis(imidazol-1-ylmethyl)benzene and Multicarboxylate Ligands. <i>Crystal Growth and Design</i> , 2010, 10, 2553-2562.	1.4	80
1709	Growth and Properties of Single Crystals of Noncentrosymmetric Na ₃ VO ₂ B ₆ O ₁₁ . <i>Crystal Growth and Design</i> , 2010, 10, 252-256.	1.4	78
1710	Stereo-Active Lone-Pair Control on the Ferromagnetic Behavior in VO ₂ (OH) ₂ : A New Acentric Ferromagnetic Material. <i>Chemistry of Materials</i> , 2010, 22, 6665-6672.	3.2	13
1711	Cd ¹⁺ Bi ^x (Cd _{1+x} In _{1-x})VO ₆ (0 ≤ x ≤ 0.14): A New Polar Oxide with Second-Harmonic Generation. <i>Chemistry of Materials</i> , 2010, 22, 4814-4820.	3.2	21
1712	New Noncentrosymmetric Tellurite Phosphate Material: Synthesis, Characterization, and Calculations of Te ₂ O(PO ₄) ₂ . <i>Inorganic Chemistry</i> , 2010, 49, 7028-7034.	1.9	92

#	ARTICLE	IF	CITATIONS
1713	Rare earth cerium doping effects in nonlinear optical materials: potassiumhydrogen phthalate (KHP) and tris(thiourea)zinc(II) sulfate (ZTS). <i>CrystEngComm</i> , 2010, 12, 493-499.	1.3	43
1714	Structural and magnetic properties of the ordered perovskite Pb ₂ CoTeO ₆ . <i>Dalton Transactions</i> , 2010, 39, 11136.	1.6	30
1715	Alkaline Beryllium Borate NaBeB ₃ O ₆ and ABe ₂ B ₃ O ₇ (A = K, Rb) as UV Nonlinear Optical Crystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 8779-8786.	6.6	335
1716	A Strong Second-Harmonic Generation Material Cd ₄ BiO(BO ₃) ₃ Originating from 3-Chromophore Asymmetric Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 1508-1509.	6.6	282
1717	High-Pressure Synthesis and Local Structure of Corundum-Type In ₂ x Zn x Sn x O ₃ (x ≈ 0.7). <i>Journal of the American Chemical Society</i> , 2010, 132, 16479-16487.	6.6	39
1718	Syntheses, Structures, and Physical Properties of Camphorate Coordination Polymers Controlled by Semirigid Auxiliary Ligands with Variable Coordination Positions and Conformations. <i>Crystal Growth and Design</i> , 2010, 10, 2596-2605.	1.4	59
1719	Efficient Detection of Organophosphate Pesticide Based on a Metal-Organic Framework Derived from Biphenyltetracarboxylic Acid. <i>Crystal Growth and Design</i> , 2010, 10, 2835-2838.	1.4	63
1720	New Metal-Organic Framework with Uninodal 4-Connected Topology Displaying Interpenetration, Self-Catenation, and Second-Order Nonlinear Optical Response. <i>Crystal Growth and Design</i> , 2010, 10, 1489-1491.	1.4	71
1721	Optical Nonlinearity in (EDT-DSDTFVO) ₂ ·FeBr ₄ , an Intriguing Molecular Material with Metallic Conductivity, Magnetoresistance Effects, and Quadratic Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21762-21769.	1.5	8
1722	Novel Noncentrosymmetric Zinc Coordination Polymer Containing an Unusual Zinc Carboxylate-Sulfonate Substructure with a (10,3)-d Topology and Its Second-Harmonic-Generation Properties. <i>Inorganic Chemistry</i> , 2010, 49, 8191-8193.	1.9	49
1723	Strongly Nonlinear Optical Glass Fibers from Noncentrosymmetric Phase-Change Chalcogenide Materials. <i>Journal of the American Chemical Society</i> , 2010, 132, 384-389.	6.6	85
1724	Neutron diffraction studies and the magnetism of an ordered perovskite: Ba ₂ CoTeO ₆ . <i>Dalton Transactions</i> , 2010, 39, 5490.	1.6	26
1725	Polar or Non-Polar? Syntheses, Crystal Structures, and Optical Properties of Three New Palladium(II) lodates. <i>Inorganic Chemistry</i> , 2010, 49, 9581-9589.	1.9	44
1726	A spontaneously resolved zinc-organic framework with nonlinear optical and ferroelectric properties generated from tetrazolate-ethyl ester ligand. <i>CrystEngComm</i> , 2010, 12, 3499.	1.3	33
1727	Crystal Structure and Experimental and Theoretical Studies of the Second-Order Nonlinear Optical Properties of Salts of Triphenylguanidine with Carboxylic Acids. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2607-2617.	1.1	22
1728	Two New Nonlinear Optical and Ferroelectric Three-Dimensional Metal-Organic Frameworks with an sqp-net. <i>Crystal Growth and Design</i> , 2010, 10, 25-28.	1.4	51
1729	Novel Acentric Organic Solids with Non-linear Optical and Ferroelectric Properties. <i>Australian Journal of Chemistry</i> , 2010, 63, 336.	0.5	6
1730	Noncentrosymmetric Cation Order in the Cubic Perovskite Ba ₄ CaFe ₃ O _{9.5} . <i>Chemistry of Materials</i> , 2010, 22, 5580-5587.	3.2	19

#	ARTICLE	IF	CITATIONS
1731	Crystal Chemistry of the Noncentrosymmetric Eulytites: $A_3Bi(XO_4)_3$ ($X = V, A = Pb; X = P, A = Ca, Cd, Sr$), <i>Tj ETQq0 0.0 rgBT /Overlock 10</i>	1.9	33
1732	Solid state reaction synthesis and optical spectroscopy of ferroelectric $(Gd^{1+}Ln)_2(MoO_4)_3$; with Ln = Yb or Tm. <i>Journal of Alloys and Compounds</i> , 2010, 492, 77-82.	2.8	12
1733	Effect of rare-earth dopants on the growth and structural, optical, electrical and mechanical properties of l-arginine phosphate single crystals. <i>Journal of Alloys and Compounds</i> , 2010, 506, 784-787.	2.8	31
1734	Explorations of New Second-Order Nonlinear Optical Materials in the $K^{+}M^{II+}V^{+}O$ Systems. <i>Inorganic Chemistry</i> , 2010, 49, 4599-4605.	1.9	41
1735	$NaVO_2(IO_3)_2(H_2O)$: A Unique Layered Material Produces A Very Strong SHG Response. <i>Chemistry of Materials</i> , 2010, 22, 1545-1550.	3.2	134
1736	Syntheses, crystal structures, and properties of three new lanthanum(iii) vanadium iodates. <i>Dalton Transactions</i> , 2010, 39, 7960.	1.6	52
1737	$A_3V_5O_{14}$ ($A = K^{+}, Rb^{+}, or Tl^{+}$), New Polar Oxides with a Tetragonal Tungsten Bronze Related Structural Topology: Synthesis, Structure, and Functional Properties. <i>Inorganic Chemistry</i> , 2010, 49, 6986-6993.	1.9	61
1738	Tris(hydroxypropyl)phosphine Oxide: A Chiral Three-Dimensional Material with Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2010, 10, 1482-1485.	1.4	9
1739	Metal-organic frameworks with oxazoline-containing tripodal ligand: structure changes via reaction medium and metal-to-ligand ratio. <i>CrystEngComm</i> , 2010, 12, 4328.	1.3	23
1740	Lone electron-pair enhancement of SHG responses in eulytite-type compounds: $A^{II+}_3M^{III+}_3(PO_4)_3$ ($A = Pb, M = Bi; A = Ba, M =$) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	1.9	31
1741	Nonlinear optical activity in dipolar organic-lanthanide complexes. <i>Journal of Materials Chemistry</i> , 2010, 20, 4074.	6.7	65
1742	Polar Hexagonal Tungsten Oxide (HTO) Materials: (I) Synthesis, Characterization, Functional Properties, and Structure-Property Relationships in $A_2(MoO_3)_3(SeO_3)_3$ ($A = Rb^{+}$ and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> <i>Properties of Known Polar HTOs. Chemistry of Materials</i> , 2010, 22, 3241-3250.	1.9	29
1743	Slow Relaxation of the Magnetization in Non-Linear Optical Active Layered Mixed Metal Oxalate Chains. <i>Inorganic Chemistry</i> , 2010, 49, 10894-10901.	1.9	29
1744	$BaGa_4Se_7$: A New Congruent-Melting IR Nonlinear Optical Material. <i>Inorganic Chemistry</i> , 2010, 49, 9212-9216.	1.9	339
1745	Structure Determination and Relative Properties of Novel Chiral Orthoborate $KMgBO_3$. <i>Inorganic Chemistry</i> , 2010, 49, 2715-2720.	1.9	36
1746	Structure-Property Relationships in Lithium, Silver, and Cesium Uranyl Borates. <i>Chemistry of Materials</i> , 2010, 22, 5983-5991.	3.2	50
1747	Polarity and Chirality in Uranyl Borates: Insights into Understanding the Vitrification of Nuclear Waste and the Development of Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2010, 22, 2155-2163.	3.2	103
1748	Cation Coordination Control of Anionic Group Alignment to Maximize SHG Effects in the $BaMBO_3F$ ($M = Zn, Mg$) Series. <i>Inorganic Chemistry</i> , 2010, 49, 1561-1565.	1.9	110

#	ARTICLE	IF	CITATIONS
1749	Stabilization through p-dimethylaminobenzaldehyde of a new NLO-active phase of [E-4-(4-dimethylaminostyryl)-1-methylpyridinium] iodide: synthesis, structural characterization and theoretical investigation of its electronic properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 7652.	6.7	15
1750	Guanylurea(1+) hydrogen phosphite: a novel promising phase-matchable material for second harmonic generation. <i>CrystEngComm</i> , 2010, 12, 2054.	1.3	24
1751	A new IR non-linear optical material with 2D 3-fold interpenetrated topology. <i>CrystEngComm</i> , 2010, 12, 3490.	1.3	21
1752	Second-order optical nonlinearity and ionic conductivity of nanocrystalline GeS ₂ -Ga ₂ S ₃ -LiI glass-ceramics with improved thermo-mechanical properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3780.	1.3	29
1753	Topological derivation from centrosymmetry to noncentrosymmetry in a three-dimensional polar framework material. <i>CrystEngComm</i> , 2010, 12, 671-673.	1.3	19
1754	Structural variation from 1D to 3D: effect of metal centers on the construction of metal-organic coordination polymers with N-(1H-tetrazol-5-yl)benzamide ligand. <i>CrystEngComm</i> , 2010, 12, 3886.	1.3	26
1755	KZn ₄ SbO ₇ and KZn ₄ Sb ₃ O ₁₂ : syntheses, structures and photophysics of Sb ⁵⁺ control materials. <i>Dalton Transactions</i> , 2010, 39, 9547.	1.6	7
1756	Spontaneous resolution of two homochiral ferroelectric cadmium(ii) frameworks and an achiral framework from a one-pot reaction involving achiral rigid ligands. <i>CrystEngComm</i> , 2010, 12, 2040.	1.3	72
1757	Interrelationship of Composition-Structure-Nonlinear Optical Properties in Aluminate Crystals. <i>Ferroelectrics</i> , 2010, 397, 151-158.	0.3	4
1758	Luminescent boracite-like metal-organic frameworks constructed by Cu-centered CuCu ₄ tetrahedra and CuCu ₃ triangles with an acentric cubic superlarge cell. <i>CrystEngComm</i> , 2010, 12, 55-58.	1.3	15
1759	Six new metal-organic frameworks with multi-carboxylic acids and imidazole-based spacers: syntheses, structures and properties. <i>Dalton Transactions</i> , 2011, 40, 11856.	1.6	63
1760	An all-organic steroid-like modular design drives ferroelectricity in supramolecular solids and nano-architectures at RT. <i>Chemical Communications</i> , 2011, 47, 8928.	2.2	12
1761	Toward design of multiple-property inorganic-organic hybrid compounds based on face-sharing octahedral iodoplumbate chains. <i>Dalton Transactions</i> , 2011, 40, 8261.	1.6	46
1762	A ligand-conformation driving chiral generation and symmetry-breaking crystallization of a zinc(ii) organoarsenate. <i>Chemical Communications</i> , 2011, 47, 8862.	2.2	44
1763	Zinc(ii) and cadmium(ii) coordination polymers mediated by rationally designed symmetrical/asymmetrical V-shaped heterocyclic aromatic ligands exhibiting different supramolecular architectures. <i>CrystEngComm</i> , 2011, 13, 6192.	1.3	7
1764	Crystal growth and optical properties of a noncentrosymmetric haloid borate, K ₃ B ₆ O ₁₀ Br. <i>CrystEngComm</i> , 2011, 13, 2899.	1.3	82
1765	Polymorphism, structural characterisation and electrical properties of Na ₂ Nb ₄ O ₁₁ . <i>Journal of Materials Chemistry</i> , 2011, 21, 12096.	6.7	21
1766	Open-framework aluminoborates co-templated by two types of primary amines. <i>Dalton Transactions</i> , 2011, 40, 2940.	1.6	45

#	ARTICLE	IF	CITATIONS
1767	Acentric nonlinear optical N-benzyl stilbazolium crystals with high environmental stability and enhanced molecular nonlinearity in solid state. <i>CrystEngComm</i> , 2011, 13, 444-451.	1.3	80
1768	Novel second-harmonic-generation-active lead(ii) phosphinate based on 2-carboxyethyl(phenyl)phosphinate ligand. <i>Dalton Transactions</i> , 2011, 40, 9295.	1.6	20
1769	Nonlinear optical and ferroelectric materials based on 1-benzyl-2-phenyl-1H-benzimidazole salts. <i>CrystEngComm</i> , 2011, 13, 6365.	1.3	7
1770	Modified ene-ynes compounds: a novel functional material with nonlinear optical properties. <i>CrystEngComm</i> , 2011, 13, 7194.	1.3	15
1771	The first ionothermal synthesis of a 3D ferroelectric metal-organic framework with colossal dielectric constant. <i>Chemical Communications</i> , 2011, 47, 3834.	2.2	65
1772	Discovery of a new type of organic ferroelectric materials in natural biomass dehydroabietylamine Schiff bases. <i>Journal of Materials Chemistry</i> , 2011, 21, 14599.	6.7	10
1773	pH-Triggered construction of NLO active CMOFs: change in supramolecular assembly, water clusters, helical architectures and their properties. <i>CrystEngComm</i> , 2011, 13, 1018-1028.	1.3	33
1774	LiB ₆ O ₉ and experimentally observed second harmonic generation in a new non-centrosymmetric lithium borate. <i>Journal of Materials Chemistry</i> , 2011, 21, 14599.	1.1	35
1775	Sr ₂ [C ₆ H ₃ (CO ₂) ₃ (NO ₃)] ₂ ·DMF: One-Dimensional Nano-Channel in a New Non-Centrosymmetric Strontium-Organic Framework with High Thermal Stability. <i>Crystal Growth and Design</i> , 2011, 11, 2698-2701.	1.4	29
1776	A New Lithium Rubidium Borate Li ₆ Rb ₅ B ₁₁ O ₂₂ with Isolated B ₁₁ O ₂₂ Building Blocks. <i>Crystal Growth and Design</i> , 2011, 11, 3912-3916.	1.4	64
1777	Na ₂ CsBe ₆ B ₅ O ₁₅ : An Alkaline Beryllium Borate as a Deep-UV Nonlinear Optical Crystal. <i>Journal of the American Chemical Society</i> , 2011, 133, 11458-11461.	6.6	292
1778	4-Nitrophenylhydrazone Crystals with Large Quadratic Nonlinear Optical Response by Optimal Molecular Packing. <i>Crystal Growth and Design</i> , 2011, 11, 3049-3055.	1.4	17
1779	Li ₄ Cs ₃ B ₇ O ₁₄ : Synthesis, Crystal Structure, and Optical Properties. <i>Inorganic Chemistry</i> , 2011, 50, 2415-2419.	1.9	81
1780	Molecular Engineering Design to Resolve the Layering Habit and Polymorphism Problems in Deep UV NLO Crystals: New Structures in MM ₂ Be ₂ B ₂ O ₆ F (M = Na, Ca; K, Tl). <i>Journal of Materials Chemistry</i> , 2011, 21, 14599.	1.7	10
1781	New Second-Order NLO Materials Based on Polymeric Borate Clusters and GeO ₄ Tetrahedra: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2011, 50, 1973-1982.	1.9	64
1782	K ₃ B ₆ O ₁₀ Cl: A New Structure Analogous to Perovskite with a Large Second Harmonic Generation Response and Deep UV Absorption Edge. <i>Journal of the American Chemical Society</i> , 2011, 133, 7786-7790.	6.6	617
1783	In-Phase Alignments of Asymmetric Building Units in Ln ₄ GaSbS ₉ (Ln = Pr, Nd). <i>Journal of Materials Chemistry</i> , 2011, 21, 14599.	6.6	191
1784	A congruently melting and deep UV nonlinear optical material: Li ₃ Cs ₂ B ₅ O ₁₀ . <i>Journal of Materials Chemistry</i> , 2011, 21, 2890.	6.7	95

#	ARTICLE	IF	CITATIONS
1785	Syntheses, crystal structures and optical properties of six homochiral coordination networks based on phenyl acid-amino acids. <i>CrystEngComm</i> , 2011, 13, 6422.	1.3	27
1786	Inorganic-organic hybrid compounds based on face-sharing octahedral [PbI ₃] ²⁻ chains: self-assemblies, crystal structures, and ferroelectric, photoluminescence properties. <i>Dalton Transactions</i> , 2011, 40, 1672.	1.6	41
1787	BaAl ₄ Se ₇ : a new infrared nonlinear optical material with a large band gap. <i>Dalton Transactions</i> , 2011, 40, 3610.	1.6	51
1788	BiO(IO ₃): A New Polar Iodate that Exhibits an Aurivillius-Type (Bi ₂ O ₂) ²⁺ Layer and a Large SHG Response. <i>Journal of the American Chemical Society</i> , 2011, 133, 12422-12425.	6.6	424
1789	Structural characterisation of ferroelectric Ag ₂ Nb ₄ O ₁₁ and dielectric Ag ₂ Ta ₄ O ₁₁ . <i>Journal of Materials Chemistry</i> , 2011, 21, 2715.	6.7	30
1790	Spontaneous Resolution in the Ionothermal Synthesis of Homochiral Zn(II) Metal-Organic Frameworks with (10,3)- <i>a</i> Topology Constructed from Achiral 5-Sulfoisophthalate. <i>Crystal Growth and Design</i> , 2011, 11, 3717-3720.	1.4	71
1791	Two Porous Zinc Coordination Polymers with (10,3) Topological Features Based on a N-Centered Tripodal Ligand and the Conversion of a (10,3)-d Subnet to a (10,3)-a Subnet. <i>Crystal Growth and Design</i> , 2011, 11, 3039-3044.	1.4	60
1792	A chirally helical coordination polymer self-assembled with the ligand 2-(2-carboxyphenyl)imidazo(4,5-f)(1,10)phenanthroline: crystal structure, SHG response and tunable photoluminescence. <i>CrystEngComm</i> , 2011, 13, 52-54.	1.3	32
1793	Bi ₂ (IO ₄)(IO ₃) ₃ : A New Potential Infrared Nonlinear Optical Material Containing [IO ₄] ³⁻ Anion. <i>Inorganic Chemistry</i> , 2011, 50, 12818-12822.	1.9	102
1794	Syntheses and Characterization of New Mid-Infrared Transparency Compounds: Centric Ba ₂ BiGaS ₅ and Acentric Ba ₂ BiInS ₅ . <i>Inorganic Chemistry</i> , 2011, 50, 5679-5686.	1.9	90
1795	Synthesis, Characterization, and Structure-Property Relationships in Two New Polar Oxides: Zn ₂ (MoO ₄)(SeO ₃) and Zn ₂ (MoO ₄)(TeO ₃). <i>Inorganic Chemistry</i> , 2011, 50, 5215-5222.	1.9	73
1796	Polymorphism of BaTeMo ₂ O ₉ : A New Polar Polymorph and the Phase Transformation. <i>Chemistry of Materials</i> , 2011, 23, 3752-3761.	3.2	167
1797	Syntheses, Characterization, and Properties of Three-Dimensional Pillared Frameworks with Entanglement. <i>Crystal Growth and Design</i> , 2011, 11, 1159-1169.	1.4	84
1798	Synthesis, Growth and Characterization of 1H-Benzimidazolium Hydrogen L-Tartrate Dihydrate Single Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 548, 126-141.	0.4	23
1799	Phenolic Polyene Crystals with Tailored Physical Properties and Very Large Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2011, 23, 239-246.	3.2	36
1800	Synthesis, characterization, NLO study, and antimicrobial activities of metal complexes derived from 3-(3-(2-hydroxyphenyl)-3-oxoprop-1-enyl)-4H-chromen-4-one and sulfanilamide. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1673-1682.	0.8	15
1801	New Quaternary Tellurite and Selenite: Synthesis, Structure, and Characterization of Centrosymmetric InVTe ₂ O ₈ and Noncentrosymmetric InVSe ₂ O ₈ . <i>Inorganic Chemistry</i> , 2011, 50, 4473-4480.	1.9	82
1802	Functionalization of Borate Networks by the Incorporation of Fluoride: Syntheses, Crystal Structures, and Nonlinear Optical Properties of Novel Actinide Fluoroborates. <i>Chemistry of Materials</i> , 2011, 23, 2931-2939.	3.2	48

#	ARTICLE	IF	CITATIONS
1803	Production of Polar $\hat{\Gamma}^2$ -Glycine Nanofibers with Enhanced Nonlinear Optical and Piezoelectric Properties. <i>Crystal Growth and Design</i> , 2011, 11, 4288-4291.	1.4	48
1804	Alkaline-Alkaline Earth Fluoride Carbonate Crystals $ABCO_3F$ (A = K, Rb, Cs; B = Ca, Sr, Ba) as Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , 2011, 133, 20001-20007.	6.6	418
1805	Inorganic Supramolecular Compounds with 3-D Chiral Frameworks Show Potential as Both Mid-IR Second-Order Nonlinear Optical and Piezoelectric Materials. <i>Journal of the American Chemical Society</i> , 2011, 133, 3410-3418.	6.6	114
1806	Novel ene-yne compounds as quadratic nonlinear optical materials. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
1807	$Ca_{10}Ge_{16}B_6O_{51}$ and $Cd_{12}Ge_{17}B_8O_{58}$: Two Types of New 3D Frameworks Based on BO_4 Tetrahedra and 1D $[Ge_4O_{12}]_n$ Chains. <i>Inorganic Chemistry</i> , 2011, 50, 8861-8868.	1.9	37
1808	Optical and microhardness studies on unidirectional grown triaqua glycine sulfato zinc (II): A semiorganic NLO crystal. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3832-3836.	2.8	14
1809	Growth and Characterization of Organic NLO Crystal: $\hat{\Gamma}^2$ -Naphthol. <i>Journal of Materials Science and Technology</i> , 2011, 27, 271-274.	5.6	17
1810	Synthesis, Growth, Spectral and Optical Properties of Glyciny Urea Single Crystal. , 2011, , .		2
1811	Explorations of New Second-Order Nonlinear Optical Materials in the Potassium Vanadyl Iodate System. <i>Journal of the American Chemical Society</i> , 2011, 133, 5561-5572.	6.6	239
1812	$\text{Cation Polarity Control in } ACuTe_2O_7 \text{ (A = Sr}^{2+}\text{,)}$ <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 1.9 38</i>	1.9	38
1813	Oriented Single-Crystal-like Molecular Arrangement of Optically Nonlinear 2-Methyl-4-nitroaniline in Electrospun Nanofibers. <i>ACS Nano</i> , 2011, 5, 73-78.	7.3	46
1814	Synthesis, crystal structures, and solid state quadratic nonlinear optical properties of a series of stilbazolium cations combined with gold cyanide counter-ion. <i>Journal of Materials Chemistry</i> , 2011, 21, 15940.	6.7	25
1815	Optical properties, micro-crystallization and etching studies of an organic/inorganic hybrid nonlinear optical crystal: 1-Ethyl-3-methyl imidazolium tribromoplumbate (EMITB). <i>Journal of Crystal Growth</i> , 2011, 325, 55-59.	0.7	10
1816	Assembly of 1,2,3,4-Benzenetetracarboxylic Acid and Zinc(II) Metal Centers to a Chiral 3D Metal-organic Framework: Syntheses, Structure and Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2011, 66, 533-537.	0.3	0
1817	Accurate determination of second order nonlinear optical coefficients from powder crystal monolayers. <i>Journal of Applied Physics</i> , 2011, 109, 113105.	1.1	20
1818	Crystallization and Second Harmonic Generation of Lithium Niobium Silicate Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2080-2086.	1.9	17
1819	Electronic absorption, vibrational spectra and nonlinear optical properties of N-(2) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 102 Td (chlorop</i>	1.5	4
1820	Optical and structural properties of chalcone NLO single crystals. <i>Journal of Molecular Structure</i> , 2011, 1005, 1-7.	1.8	70

#	ARTICLE	IF	CITATIONS
1821	Structural, optical and electrical studies on amino acid based new GBC crystals having non linear optical response. <i>Optics Communications</i> , 2011, 284, 4508-4513.	1.0	1
1822	Superstructure and stacking faults in hydrothermal-grown KBe ₂ BO ₃ F ₂ crystals. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2790-2793.	1.4	29
1823	Crystal growth, structural, optical, spectral and thermal studies of tris(l-phenylalanine)l-phenylalaninium nitrate: A new organic nonlinear optical material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 48-52.	2.0	19
1824	Natural bond orbital analysis, electronic structure, non-linear properties and vibrational spectral analysis of l-histidinium bromide monohydrate: A density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 85-98.	2.0	139
1825	Effect of NaCl and KCl doping on the growth of sulphamic acid crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 20-24.	2.0	20
1826	Growth, structural, spectral, mechanical, thermal and dielectric characterization of phosphoric acid admixtured l-alanine (PLA) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 270-275.	2.0	26
1827	Growth and characterization of thiosemicarbazide hydrochloride: A semiorganic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 102-107.	2.0	9
1828	Synthesis, characterization and biological activity of some new VO(IV), Co(II), Ni(II), Cu(II) and Zn(II) complexes of chromone based NNO Schiff base derived from 2-aminothiazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 290-298.	2.0	39
1829	Spectroscopic studies on the influence of 10mol% of glycine on nonlinear optical crystal l-valinium picrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 410-413.	2.0	5
1830	Synthesis, growth, thermal, optical and mechanical properties of 2-Aminopyridinium 4-methylbenzoate Dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 84, 43-50.	2.0	29
1831	Crystal growth, structural, optical, dielectric and thermal studies of an amino acid based organic NLO material: l-Phenylalanine l-phenylalaninium malonate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 461-466.	2.0	26
1832	Growth, linear and nonlinear optical and, laser damage threshold studies of organometallic crystal of MnHg(SCN) ₄ . <i>Optical Materials</i> , 2011, 33, 1654-1660.	1.7	40
1833	Synthesis, crystal growth and characterization of 1,5-diphenylpenta-1,4-dien-3-one: An organic crystal. <i>Physica B: Condensed Matter</i> , 2011, 406, 4195-4199.	1.3	20
1834	Crystalline perfection, optical and dielectric studies on l-histidine nitrate: A nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2011, 406, 4440-4446.	1.3	18
1835	Growth and characterization of l-leucine l-leucinium picrate single crystal: A new nonlinear optical material. <i>Materials Chemistry and Physics</i> , 2011, 126, 20-23.	2.0	118
1836	Growth and characterization of a new non-linear optical tris lead tris barium borate (TLTBB) single crystal. <i>Materials Chemistry and Physics</i> , 2011, 127, 79-84.	2.0	18
1837	Growth, crystal structure and characterization of a nonlinear optical crystal: Deuterated l-arginine trifluoroacetate. <i>Materials Chemistry and Physics</i> , 2011, 127, 265-270.	2.0	16
1838	Growth, structure and properties of the non-centrosymmetric hydrated borate CaN ₂ B ₈ O ₂₆ H ₃₂ . <i>Materials Chemistry and Physics</i> , 2011, 129, 176-179.	2.0	9

#	ARTICLE	IF	CITATIONS
1839	New bidentate non-centrosymmetric borate malate: Synthesis, structure and characterization of $\text{RbB}(\text{dl-C4H4O5})_2 \cdot \text{H}_2\text{O}$. <i>Materials Chemistry and Physics</i> , 2011, 129, 649-653.	2.0	19
1840	Synthesis, growth, structural, optical and thermal properties of a new semiorganic nonlinear optical guanidinium perchlorate single crystal. <i>Materials Chemistry and Physics</i> , 2011, 130, 323-326.	2.0	36
1841	Growth and characterization of organic material 2-hydroxypyridine single crystal by modified vertical Bridgman technique. <i>Materials Chemistry and Physics</i> , 2011, 130, 915-920.	2.0	33
1842	Studies on growth and characterization of an NLO crystal: L-alanine hydrogen chloride (LAHC). <i>Materials Chemistry and Physics</i> , 2011, 130, 950-955.	2.0	21
1843	New type of incommensurate magnetic ordering in Mn_3TeO_6 . <i>Materials Research Bulletin</i> , 2011, 46, 1870-1877.	2.7	37
1844	Studies on optical and mechanical properties of new organic NLO crystal: Guanidinium 4-aminobenzoate (GuAB). <i>Materials Letters</i> , 2011, 65, 2748-2750.	1.3	47
1845	Reversible color changes of chiral double salts of d-(+)-camphoric diammonium and transition-metal sulfates via gain and loss of crystalline and coordination water molecules. <i>Inorganica Chimica Acta</i> , 2011, 378, 224-230.	1.2	10
1846	Synthesis, spectral, bioactivity, and NLO properties of chalcone metal complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1707-1717.	0.8	25
1847	Syntheses, structures and properties of silver-organic frameworks constructed with 1,2,3,4-benzenetetracarboxylic acid. <i>Dalton Transactions</i> , 2011, 40, 10071.	1.6	26
1848	Second-order nonlinear susceptibilities of the crystals of some metal tartrates. <i>Crystallography Reports</i> , 2011, 56, 72-74.	0.1	11
1849	Optical and dielectric properties of nitrophenolate based nonlinear optical crystal. <i>Journal of Materials Science</i> , 2011, 46, 3169-3175.	1.7	13
1850	Synthesis, structure, and properties of the non-centrosymmetric borate $\text{Rb}_2\text{CaB}_8\text{O}_{26}\text{H}_{24}$. <i>Journal of Materials Science</i> , 2011, 46, 7443-7448.	1.7	7
1851	Synthesis, Crystal Structure and NLO Properties of a Mixed Crystal $\text{K}1-x(\text{NH}_4)x\text{H}_2\text{PO}_4$ ($x=0.5$). <i>Journal of Chemical Crystallography</i> , 2011, 41, 111-114.	0.5	6
1852	Thermal and FTIR spectral studies in various proportions of urea thiourea mixed crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 885-891.	2.0	18
1853	Thermal and optical properties of Cu(II)-doped magnesium rubidium sulfate hexahydrate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 963-967.	2.0	16
1854	Effect of s-, p-, d-, and f-block elements on the structure and properties of ammonium dihydrogen phosphate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 949-954.	2.0	6
1855	Nucleation kinetics of a new nonlinear optical crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 901-907.	2.0	7
1856	$[\text{R-C7H}_{16}\text{N}_2][\text{V}_2\text{Te}_2\text{O}_{10}]$ and $[\text{S-C7H}_{16}\text{N}_2][\text{V}_2\text{Te}_2\text{O}_{10}]$; new polar templated vanadium tellurite enantiomers. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1445-1450.	1.4	34

#	ARTICLE	IF	CITATIONS
1857	Growth and characterization of Ba(Al,Ga)BO ₃ F ₂ crystal. Journal of Crystal Growth, 2011, 318, 962-965.	0.7	20
1858	Growth and characterization of LCOB and NdLCOB single crystals for laser applications. Journal of Crystal Growth, 2011, 318, 636-641.	0.7	12
1859	Growth and characterization of β - and β -glycine single crystals. Journal of Crystal Growth, 2011, 318, 762-767.	0.7	25
1860	Study on micro-crystallization, growth, optical properties and defects of a nonlinear optical crystal: MnHg(SCN) ₄ . Journal of Crystal Growth, 2011, 317, 92-97.	0.7	12
1861	Crystal growth and characterization of organic single crystal: N-(2-hydroxybenzylidene)acetohydrazide. Journal of Crystal Growth, 2011, 324, 196-200.	0.7	25
1862	Gd La ³⁺ Sc ₃ (BO ₃) ₄ : A new nonlinear optical crystal. Journal of Crystal Growth, 2011, 324, 304-308.	0.7	16
1863	Growth, structural and optical studies on amino acid based new GSB crystals having non-linear optical characteristics. Optics Communications, 2011, 284, 1578-1582.	1.0	2
1864	Crystal growth and characterization of β -glycine grown from potassium fluoride for photonic applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1123-1127.	2.0	30
1865	Growth of glycine picrate crystal by conventional and SR method. Transactions of the Indian Institute of Metals, 2011, 64, 143-147.	0.7	10
1866	Investigations on the nonlinear optical properties of glycinium oxalate single crystals. Optoelectronics Letters, 2011, 7, 136-138.	0.4	6
1867	Syntheses, Structures, and Luminescent Properties of Two Novel Coordination Polymers with Dipicolinate and Diimidazole Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 148-153.	0.6	18
1868	Chiral crystal of a C _{2v} -symmetric 1,3-diazaaule derivative showing efficient optical second harmonic generation. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 649-656.	2.4	4
1869	Structural and nonlinear optical properties of cross-conjugated system benzophenone thiosemicarbazone: a vibrational spectroscopic study. Journal of Raman Spectroscopy, 2011, 42, 815-824.	1.2	17
1870	Electronic and structural effects on the nonlinear optical behavior in π -conjugated structure bis(4-nitrophenyl) carbonate: a vibrational spectroscopic approach. Journal of Raman Spectroscopy, 2011, 42, 1193-1201.	1.2	6
1871	Short-Range Spin Order and Frustrated Magnetism in Mn ₂ InSbO ₆ and Mn ₂ ScSbO ₆ . European Journal of Inorganic Chemistry, 2011, 2011, 4691-4699.	1.0	13
1872	An Unusual (10,3)-d MOF Material with Nanoscale Helical Cavities and Multifunctionality. European Journal of Inorganic Chemistry, 2011, 2011, 5000-5005.	1.0	19
1873	Second harmonic generation in Na ₃ Gd ₂ (BO ₃) ₃ crystals. Crystal Research and Technology, 2011, 46, 926-930.	0.6	2
1876	Nitridosilicates and Oxonitridosilicates: From Ceramic Materials to Structural and Functional Diversity. Angewandte Chemie - International Edition, 2011, 50, 7754-7775.	7.2	304

#	ARTICLE	IF	CITATIONS
1877	NaSr ₃ Be ₃ B ₃ O ₉ F ₄ : A Promising Deep-Ultraviolet Nonlinear Optical Material Resulting from the Cooperative Alignment of the [Be ₃ B ₃ O ₁₂ F] ¹⁰⁺ Anionic Group. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9141-9144.	7.2	342
1878	Multifunctional Polythreading Coordination Polymers: Spontaneous Resolution, Nonlinear-Optic, and Ferroelectric Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 9936-9943.	1.7	45
1879	Helical silver(I) coordination polymer with oxazoline-containing ligand: Structure, non-linear and ferroelectric property. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1145-1148.	1.8	21
1880	Crystal structure and characterization of a novel acentric imidazolium analog $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si14.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false" \rangle} [\langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle C \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle$ <i>Chemical Physics Letters</i> , 2011, 503, 134-138.	1.2	16
1881	Growth and characterization of new semi-organic l-proline strontium chloride monohydrate single crystals. <i>Physica B: Condensed Matter</i> , 2011, 406, 63-67.	1.3	59
1882	Unidirectional growth, linear and nonlinear optical, dielectric and mechanical properties of organic adduct of l-tartaric acid nicotinamide. <i>Physica B: Condensed Matter</i> , 2011, 406, 1204-1210.	1.3	8
1883	Effect of pure and mixed solvents on the solubility, crystal growth and morphology of ethyl p-dimethylamino benzoate (EDMAB): An organic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2011, 406, 1410-1414.	1.3	4
1884	Synthesis, crystal growth and characterization of a chiral compound (triphenylphosphine oxide) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1872-1876.	1.3	5
1885	Crystal growth and characterization of l-phenylalaninium trichloroacetate—A new organic nonlinear optical material. <i>Physica B: Condensed Matter</i> , 2011, 406, 2621-2625.	1.3	28
1886	Influence of l-alanine doping on crystalline perfection, SHG efficiency, optical and mechanical properties of KDP single crystals. <i>Physica B: Condensed Matter</i> , 2011, 406, 3392-3397.	1.3	28
1887	Growth, optical, mechanical and dielectric studies on NLO active pure and metal ion doped single crystals of bis-thiourea zinc chloride. <i>Physica B: Condensed Matter</i> , 2011, 406, 3856-3860.	1.3	20
1888	Synthesis, crystal structure and properties of the novel chiral 3D coordination polymer with S-carboxymethyl-l-cysteine. <i>Inorganica Chimica Acta</i> , 2011, 365, 297-301.	1.2	15
1889	Synthesis, growth, spectral, thermal and photoluminescence properties of a new semiorganic NLO crystal—Thiosemicarbazide lithium chloride [TSLC]. <i>Optik</i> , 2011, 122, 259-262.	1.4	28
1890	Synthesis, growth and characterization of l-valine cadmium chloride monohydrate—A novel semiorganic nonlinear optical crystal. <i>Optik</i> , 2011, 122, 1128-1131.	1.4	20
1891	Growth, structural, optical and electrical behavior of glycine potassium nitrate (GPN) crystal with non-linear optical response. <i>Optics Communications</i> , 2011, 284, 818-823.	1.0	8
1892	Growth and characterization of GSZS crystals with enhanced transparency window for non linear optical applications. <i>Optics Communications</i> , 2011, 284, 3548-3551.	1.0	2
1893	Synthesis, growth and characterization of novel semiorganic nonlinear optical potassium boro-succinate (KBS) single crystals. <i>Optics and Laser Technology</i> , 2011, 43, 1229-1232.	2.2	25
1894	Synthesis, growth and characterization of novel second harmonic nonlinear chalcone crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 824-830.	1.9	57

#	ARTICLE	IF	CITATIONS
1895	Structure, thermal stability and properties of Li ₃ Sc(BO ₃) ₂ . Journal of Solid State Chemistry, 2011, 184, 115-122.	1.4	9
1896	Enhanced non-linear optical response in hybrid GSPN crystals: Structural, optical and dielectric analysis. Optics Communications, 2011, 284, 1583-1588.	1.0	4
1897	Growth, structural, spectral, mechanical and dielectric characterization of RbCl-doped l-alanine hydrogen chloride monohydrate single crystals. Physica B: Condensed Matter, 2011, 406, 412-417.	1.3	16
1898	The effect of Fe ³⁺ doping in Potassium Hydrogen Phthalate single crystals on structural and optical properties. Physica B: Condensed Matter, 2011, 406, 985-991.	1.3	32
1899	Structural, dielectric and piezoelectric properties of nonlinear optical l ³ -glycine single crystals. Physica B: Condensed Matter, 2011, 406, 2594-2600.	1.3	52
1900	Investigation on the optical and electrical properties of MMTG crystal: A Lewis base adduct. Physica B: Condensed Matter, 2011, 406, 3210-3214.	1.3	9
1901	Study on defects in hydrothermal-grown KBe ₂ BO ₃ F ₂ crystals. Journal of Crystal Growth, 2011, 318, 621-624.	0.7	13
1902	Flux growth of a potential nonlinear optical crystal BaMgBO ₃ F. Journal of Crystal Growth, 2011, 318, 971-973.	0.7	15
1903	Unidirectional growth of organic nonlinear optical l-arginine maleate dihydrate single crystal by Sankaranarayananâ€™s Ramasamy (SR) method and its characterization. Journal of Crystal Growth, 2011, 318, 745-750.	0.7	17
1904	Growth and characterization of 2-Methylimidazolium d-tartrate single crystal. Journal of Crystal Growth, 2011, 318, 768-773.	0.7	18
1905	Growth and characterization of a new polymorph of lead succinate: A promising NLO material. Journal of Crystal Growth, 2011, 319, 96-101.	0.7	29
1906	Crystal growth and nonlinear optical studies of m-dinitrobenzene doped urea. Journal of Crystal Growth, 2011, 321, 72-77.	0.7	53
1907	Crystal growth and characterization of semiorganic single crystals of l-histidine family for NLO applications. Journal of Crystal Growth, 2011, 322, 69-73.	0.7	31
1908	Crystal growth and characterization of dibromo bis(triphenylphosphine oxide) cadmium (II). Journal of Crystal Growth, 2011, 322, 78-83.	0.7	7
1909	Single crystal growth, crystal structure and characterization of a novel crystal: l-arginine 4-nitrophenolate 4-nitrophenol dehydrate (LAPP). Journal of Crystal Growth, 2011, 327, 133-139.	0.7	73
1910	Structural, thermal and optical characterization of an organic NLO materialâ€™s Benzaldehyde thiosemicarbazone monohydrate single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 653-659.	2.0	53
1911	Physicochemical properties of organic nonlinear optical crystal from combined experimental and theoretical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 794-802.	2.0	28
1912	A physicochemical study of excited state intramolecular proton transfer process. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 6-16.	2.0	57

#	ARTICLE	IF	CITATIONS
1913	Structural, thermal and optical characterization of a Schiff base as a new organic material for nonlinear optical crystals and films with reversible noncentrosymmetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1757-1761.	2.0	20
1914	Growth, structural, vibrational, optical, laser and dielectric aspects of L-alanine alaninium nitrate single crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, Organic-Inorganic compounds with strong nonlinear optical properties based on 2,4,6-trimethylpyridinium and tetrahedral BF ₄ ⁻	2.0	25
1915	Organic-Inorganic compounds with strong nonlinear optical properties based on 2,4,6-trimethylpyridinium and tetrahedral BF ₄ ⁻	1.1	5
1916	A New Type of Organic Ferroelectric Material Based on Maleopimaric Acid Anhydride. Advanced Materials Research, 2011, 239-242, 1180-1183.	0.3	1
1917	The substituted [2.2] paracyclophanes as versatile platform for a design of new optical materials. Proceedings of SPIE, 2011, , .	0.8	0
1918	Spectral, NLO, Fluorescence, and Biological Activity of Knoevenagel Condensate of I^2 -Diketone Ligands and Their Metal(II) Complexes. International Journal of Inorganic Chemistry, 2011, 2011, 1-8.	0.6	3
1919	Giant Second Harmonic Generation from Metastable BaTi ₂ O ₅ . Applied Physics Express, 2011, 4, 042601.	1.1	10
1920	Investigations on Growth and Characterization of Undoped and Thiourea-Doped β -Glycine Crystals for NLO Applications. Materials and Manufacturing Processes, 2011, 26, 1254-1260.	2.7	7
1921	Growth, Structural And Optical Studies On Bis L-alanine Lithium Chloride (BLALC) Single Crystal. , 2011, , .		1
1922	Crystal Structure of L-Histidinium 2-Nitrobenzoate. Journal of Amino Acids, 2012, 2012, 1-6.	5.8	5
1923	Synthesis, Growth and Characterization of Organic Nonlinear Optical L-Asparagine L-Tartrate Single Crystals. Advanced Materials Research, 2012, 584, 13-17.	0.3	2
1924	Growth, Spectral, Optical and Thermal Studies of Rare Earth Neodymium(III)Nitrate Doped Tris Thiourea Zinc(II)Sulphate Single Crystals. Advanced Materials Research, 0, 584, 37-41.	0.3	2
1925	Structural Designs and Property Characterizations for Second-Harmonic Generation Materials. Structure and Bonding, 2012, , 1-41.	1.0	1
1926	Crystal Growth, Spectral, Thermal and Optical Properties of Phthalic Anhydride (PA) Single Crystal. Advanced Materials Research, 0, 584, 136-140.	0.3	2
1927	Crystal growth and characterization of novel nonlinear optical crystal: L-threonine formate.. , 2012, , .		0
1928	Phase transitions in KIO ₃ . Journal of Physics Condensed Matter, 2012, 24, 325401.	0.7	12
1929	Controlling the diffused nonlinear light generated in random materials. Optics Letters, 2012, 37, 1676.	1.7	13
1930	Synthesis and structural relationship of complex tantalum phosphates in the flux system $K_2O \cdot P_2O_5 \cdot 5Ta_2O_5 \cdot MoO_3$. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
1931	Laser-induced, second-order optical susceptibilities of YAB:Cr ³⁺ single crystals. Philosophical Magazine, 2012, 92, 2826-2834.	0.7	3
1932	High (pressure, temperature) phase diagrams of ZnO and AlN from second harmonic generation measurements. Applied Physics Letters, 2012, 100, .	1.5	19
1933	Linear and Nonlinear Optical Properties of L- Histidinium Perchlorate (LHPCI) Single Crystal. Advanced Materials Research, 2012, 584, 74-78.	0.3	1
1934	Structural, optical, thermal, mechanical and dielectrical characterizations of β -glycine crystals grown in strontium chloride solution. Physica Scripta, 2012, 85, 055803.	1.2	13
1935	Structural, Optical and Laser Damage Threshold Studies of 1, 10 Phenanthraline Doped Potassium Penta Borate (KB5) Single Crystals. Advanced Materials Research, 0, 584, 29-32.	0.3	0
1936	Growth, Optical, Dielectric and Hardness Studies of an Organic Nonlinear Optical Picolinium Maleate Single Crystal. Advanced Materials Research, 2012, 584, 24-28.	0.3	1
1937	THE INVESTIGATION OF SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF P-NITROPHENYLAZOANILINE: SECOND HARMONIC GENERATION AND AB INITIO COMPUTATIONS. Journal of Theoretical and Computational Chemistry, 2012, 11, 209-221.	1.8	11
1938	Investigation on Rare Earth Doped Nonlinear Optical Potassium Hydrogen Phthalate (KHP) Single Crystals. Advanced Materials Research, 2012, 584, 56-59.	0.3	2
1939	Synthesis, Growth and Characterisation of Nonlinear Optical Nb-Doped L-Proline Picrate Single Crystals. Advanced Materials Research, 0, 584, 97-101.	0.3	1
1940	Effect of Rare Earth Doped Elements and Characterization of LaF ₃ :Ln ³⁺ (Ln=Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Yb, Lu) Single Crystals. Advanced Materials Research, 0, 585, 174-178.	0.3	5
1941	Growth, Spectral, Optical and Thermal Studies of Sodium Chloride Admixed L-Alanine (SCLA) Single Crystals. Advanced Materials Research, 2012, 584, 92-96.	0.3	1
1942	Red Fluorescence in Doped LaF ₃ :Nd ³⁺ , Sm ³⁺ Nanocrystals Synthesized by Microwave Technique. ISRN Materials Science, 2012, 2012, 1-6.	1.0	3
1943	2-Amino-3-nitropyridinium 4-hydroxybenzenesulfonate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2169-o2169.	0.2	2
1944	Dichloridobis(4-fluoroaniline- η^N)zinc. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1152-m1152.	0.2	1
1945	Etching, micro hardness and laser damage threshold studies of a nonlinear optical material L-valine. EPJ Applied Physics, 2012, 58, 10201.	0.3	3
1946	Synthesis, Crystal Structure, and Properties of a New Lead Barium Borate, Pb _{1.13} Ba _{7.87} B ₁₈ O ₃₆ . Chemistry Letters, 2012, 41, 812-813.	0.7	10
1947	Synthesis, structure, growth and characterization of an organic crystal: 1,5-diphenylpenta-2,4-dien-1-one. Journal of Applied Crystallography, 2012, 45, 914-920.	1.9	10
1948	MgTeMoO ₆ : A neutral layered material showing strong second-harmonic generation. Journal of Materials Chemistry, 2012, 22, 9921.	6.7	97

#	ARTICLE	IF	CITATIONS
1949	White Light Emission and Second Harmonic Generation from Secondary Group Participation (SGP) in a Coordination Network. <i>Journal of the American Chemical Society</i> , 2012, 134, 1553-1559.	6.6	142
1950	Studies on growth, structural, dielectric, laser damage threshold, linear and nonlinear optical properties of methylene blue admixed l-arginine phosphate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 27-32.	2.0	11
1951	New nonlinear optical potassium iodate $K[IO_3]$ and borates $K_3[B_6O_{10}]Br$, $KTa[B_4O_6(OH)_4](OH)_2 \cdot 1.33H_2O$ synthesis, structures and relation to the properties. <i>Journal of Solid State Chemistry</i> , 2012, 195, 79-85.	1.4	31
1952	Syntheses, crystal structures and SHG properties of a series of polar alkali-metal molybdenum(vi) selenites based on strandberg-type $[Mo_5O_{15}(SeO_3)_2]^{4-}$ polyanion. <i>Dalton Transactions</i> , 2012, 41, 5687.	1.6	24
1953	The concentration effects of s-, p-, d- and f-block element doping on the growth, crystalline perfection and properties of KDP crystals. <i>CrystEngComm</i> , 2012, 14, 3813.	1.3	12
1954	Engineering of Acentric Stilbazolium Salts with Large Second-Order Optical Nonlinearity and Enhanced Environmental Stability. <i>Crystal Growth and Design</i> , 2012, 12, 6181-6187.	1.4	44
1955	Synthesis, structure, growth and characterization of a novel organic NLO single crystal: Morpholin-4-ium p-aminobenzoate. <i>Materials Research Bulletin</i> , 2012, 47, 2315-2323.	2.7	49
1956	Amino acids-precursors for synthesizing nonlinear optical materials. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2012, 58, 74-83.	1.8	14
1957	Growth and Characterization of Pure and Thiourea Doped L-Histidine Single Crystals. <i>Materials and Manufacturing Processes</i> , 2012, 27, 355-359.	2.7	16
1958	Synthesis, Structure, and Properties of $Li_2In_2MQ_6$ ($M = Si, Ge, Q =$) $Tj ETQq_{1,1} 0.784314 rgB_{120}$	1.9	120
1959	$LiGaGe_2Se_6$: A New IR Nonlinear Optical Material with Low Melting Point. <i>Inorganic Chemistry</i> , 2012, 51, 1035-1040.	1.9	103
1960	A 3D Polar Nanotubular Coordination Polymer with Dynamic Structural Transformation and Ferroelectric and Nonlinear-Optical Properties. <i>Inorganic Chemistry</i> , 2012, 51, 2438-2442.	1.9	59
1961	Structure Modulation in $Zn(II)$ -1,4-Bis(imidazol-1-yl)benzene Frameworks by Varying Dicarboxylate Anions. <i>Crystal Growth and Design</i> , 2012, 12, 189-196.	1.4	162
1962	A New Mixed Halide, $Cs_2Hg_2Cl_2$: Molecular Engineering for a New Nonlinear Optical Material in the Infrared Region. <i>Journal of the American Chemical Society</i> , 2012, 134, 14818-14822.	6.6	130
1963	Second Order Nonlinear Optical Properties of a New Class of Organic Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 554, 22-30.	0.4	5
1964	Synthesis, growth, morphology of the semiorganic nonlinear optical crystal L-glutamic acid hydrochloride and its structural, thermal and SHG characterizations. <i>Crystal Research and Technology</i> , 2012, 47, 1217-1230.	0.6	7
1965	Spectral, optical, and thermal studies of pure and $Zn(II)$ -doped L-histidine hydrochloride monohydrate (LHHC) crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 839-845.	2.0	17
1966	Crystal growth, spectral, optical, and thermal characterization of glycyl-L-alanine hydrochloride (GLAH) single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 873-878.	2.0	16

#	ARTICLE	IF	CITATIONS
1967	Structural, optical and thermal characteristics of a novel orthorhombic l-proline thiourea monohydrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 891-895.	2.0	5
1968	Growth of <math>\alpha</math>-8-hydroxyquinoline organic crystal by Czochralski method and its characterizations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 1333-1339.	2.0	15
1969	Solvent induced conformational transformation of helical chains in new copper(II) coordination polymers. <i>Inorganic Chemistry Communication</i> , 2012, 24, 7-10.	1.8	6
1970	A left-handed 21 helix with triple chiral components: Synthesis, luminescence and SHG response. <i>Inorganic Chemistry Communication</i> , 2012, 24, 110-113.	1.8	9
1971	Centrosymmetric $[N(CH_3)_4]_2TiF_6$ vs. noncentrosymmetric polar $[C(NH_2)_3]_2TiF_6$: A hydrogen-bonding effect on the out-of-center distortion of TiF_6 octahedra. <i>Journal of Solid State Chemistry</i> , 2012, 195, 149-154.	1.4	20
1972	Structure, growth and properties of a novel polar material, $KSr_4B_3O_9$. <i>Journal of Solid State Chemistry</i> , 2012, 195, 73-78.	1.4	18
1973	Novel 3D bismuth-based coordination polymers: Synthesis, structure, and second harmonic generation properties. <i>Journal of Solid State Chemistry</i> , 2012, 195, 94-100.	1.4	28
1974	$BaGa_2GeX_6$ ($X=S, Se$): New mid-IR nonlinear optical crystals with large band gaps. <i>Journal of Solid State Chemistry</i> , 2012, 195, 172-177.	1.4	89
1975	Inducing polarity in $[VO_3]_n$ chain compounds using asymmetric hydrogen-bonding networks. <i>Journal of Solid State Chemistry</i> , 2012, 195, 86-93.	1.4	14
1976	$Na_2Ge_2Se_5$: A highly nonlinear optical material. <i>Journal of Solid State Chemistry</i> , 2012, 195, 161-165.	1.4	58
1977	Dielectric properties of a polar $ZnSnO_3$ with $LiNbO_3$ -type structure. <i>Journal of Solid State Chemistry</i> , 2012, 195, 115-119.	1.4	41
1978	$Na_3Cd_3B(PO_4)_4$: A New Noncentrosymmetric Borophosphate with Zero-Dimensional Anion Units. <i>Inorganic Chemistry</i> , 2012, 51, 10870-10875.	1.9	71
1979	A new congruent-melting oxyborate, $Pb_4O(BO_3)_2$ with optimally aligned BO_3 triangles adopting layered-type arrangement. <i>Journal of Materials Chemistry</i> , 2012, 22, 2105-2110.	6.7	108
1981	Syntheses, Structures, Optical and Magnetic Properties of Ba_2MLnSe_5 ($M = Ga, In$; $Ln = Y, Nd, Sm, Gd, Dy, Er$). <i>Inorganic Chemistry</i> , 2012, 51, 6860-6867.	1.9	40
1982	High structural diversity controlled by temperature and induction agent. <i>CrystEngComm</i> , 2012, 14, 2015.	1.3	43
1983	Top-seeded solution crystal growth of noncentrosymmetric and polar $K_3V_5O_{14}$. <i>CrystEngComm</i> , 2012, 14, 6839.	1.3	8
1984	A novel deep UV nonlinear optical crystal $Ba_3B_6O_{11}F_2$, with a new fundamental building block, B_6O_{14} group. <i>Journal of Materials Chemistry</i> , 2012, 22, 9665.	6.7	177
1985	$K_6Li_3Sc_2B_{15}O_{30}$: A new nonlinear optical crystal with a short absorption edge. <i>CrystEngComm</i> , 2012, 14, 5209.	1.3	40

#	ARTICLE	IF	CITATIONS
1986	ZnIO ₃ (OH): a new layered noncentrosymmetric polar iodate " hydrothermal synthesis, crystal structure, and second-harmonic generating (SHG) properties. Dalton Transactions, 2012, 41, 8348.	1.6	32
1987	A new noncentrosymmetric vanadoborate: synthesis, crystal structure and characterization of K ₂ SrVB ₅ O ₁₂ . Dalton Transactions, 2012, 41, 9202.	1.6	16
1988	Second-harmonic generating properties of polar noncentrosymmetric aluminoborate solid solutions, Al _{5-<i>x</i>} Ga _{<i>x</i>} BO ₉ (0.0 ≤ <i>x</i> ≤ 0.5). Dalton Transactions, 2012, 41, 3233.	1.6	11
1989	Role of Hydrogen-Bonding in the Formation of Polar Achiral and Nonpolar Chiral Vanadium Selenite Frameworks. Inorganic Chemistry, 2012, 51, 11040-11048.	1.9	25
1990	Temperature-induced chiral Ag(i) coordination polymers with structural variation from 1D to 2D: synthesis, luminescence and SHG response. CrystEngComm, 2012, 14, 7502.	1.3	22
1991	Hierarchical assembly of a homochiral triple concentric helical system in a novel 3D supramolecular metal-organic framework: synthesis, crystal structure, and SHG properties. Chemical Communications, 2012, 48, 2113.	2.2	26
1992	Temperature-directed structural recurrence in low-symmetric Co(II) complexes and nanocrystals. Chemical Communications, 2012, 48, 705-707.	2.2	24
1993	Two temperature-controlled chiral Ag(i) coordination polymers with dual chiral components: synthesis, luminescence and SHG properties. CrystEngComm, 2012, 14, 4437.	1.3	27
1994	Strong enhancement of second harmonic generation in 2-methyl-4-nitroaniline nanofibers. Nanoscale, 2012, 4, 4978.	2.8	24
1995	Co-crystal structure selection of nonlinear optical analogue polyenes. CrystEngComm, 2012, 14, 4306.	1.3	19
1996	Rare earth induced formation of BiB ₃ O ₆ at ambient pressure with strong second harmonic generation. Journal of Materials Chemistry, 2012, 22, 17934.	6.7	27
1997	The cosolvent-dependent assembly of a family of three blue fluorescent lead(ii)-coordination polymers with 5-amino-2,4,6-tribromoisophthalic acid. CrystEngComm, 2012, 14, 2926.	1.3	23
1998	PbPt(IO ₃) ₆ (H ₂ O): a new polar material with two types of stereoactive lone-pairs and a very large SHG response. Chemical Communications, 2012, 48, 4220.	2.2	79
1999	Effect of Iodic Acid Dopant on the Growth and Structural, Optical, and Electrical Properties of L-Arginine Phosphate Single Crystals. Materials and Manufacturing Processes, 2012, 27, 49-52.	2.7	25
2000	Iodine Release and Recovery, Influence of Polyiodide Anions on Electrical Conductivity and Nonlinear Optical Activity in an Interdigitated and Interpenetrated Bipillared-Bilayer Metal-Organic Framework. Journal of the American Chemical Society, 2012, 134, 4857-4863.	6.6	417
2001	UV Nonlinear Optical Crystal Ba ₂ [B ₆ O ₉ (OH) ₄] Featuring Unique Chiral Layers with a New B ₁₈ O ₄₂ Circle Based on BO ₃ and BO ₄ Units. Inorganic Chemistry, 2012, 51, 1852-1858.	1.9	86
2002	Two Novel Acentric Borate Fluorides: M ₃ B ₆ O ₁₁ F ₂ (M) Tj ETQq0,0 0 rgBT/Overlock	1.9	92
2003	Syntheses, Structures Tuned by 4,4'-Bipyridine and Magnetic Properties of a Series of Transition Metal Compounds Containing <i>o</i> -Carboxylphenoxyacetate Acid. Crystal Growth and Design, 2012, 12, 1201-1211.	1.4	38

#	ARTICLE	IF	CITATIONS
2004	Synthesis, spectral, NLO studies, and antimicrobial activities of curcumin diketimine metal complexes. <i>Journal of Coordination Chemistry</i> , 2012, 65, 506-515.	0.8	18
2005	Growth and Characterization of Nonlinear Optics (NLO) Active L-Phenylalanine Fumaric Acid (LPFA) Single Crystal. <i>Materials and Manufacturing Processes</i> , 2012, 27, 519-522.	2.7	20
2006	Synthesis, Structure, and Characterization of New Li ⁺ Lone-Pair Oxides: Noncentrosymmetric Polar Li ₆ (Mo ₂ O ₅) ₃ (SeO ₃) ₆ and Centrosymmetric Li ₂ (MO ₃)(TeO ₃) (M = Mo ⁶⁺ or W ⁶⁺). <i>Inorganic Chemistry</i> , 2012, 51, 9529-9538.	1.9	44
2007	Cadmium-rare earth oxyborates Cd ₄ ReO(BO ₃) ₃ (Re = Y, Gd, Lu): congruently melting compounds with large SHG responses. <i>Journal of Materials Chemistry</i> , 2012, 22, 19911.	6.7	61
2008	Chiral Ni(II) Coordination Polymers: Structure-Driven Effects of Temperature and Polyvinylpyrrolidone. <i>Inorganic Chemistry</i> , 2012, 51, 4784-4790.	1.9	17
2009	Influence of the Cation Size on the Framework Structures and Space Group Centricities in A ₂ O ₅ (SeO ₃) ₂ (A = Sr, Pb, and Ba). <i>Inorganic Chemistry</i> , 2012, 51, 5393-5399.	1.9	89
2010	Disconnection Enhances the Second Harmonic Generation Response: Synthesis and Characterization of Ba ₂₃ Ga ₈ Sb ₂ S ₃₈ . <i>Journal of the American Chemical Society</i> , 2012, 134, 6058-6060.	6.6	223
2011	BiSr ₃ (YO) ₃ (BO ₃) ₄ : A New Gaudefroyite-Type Rare-Earth Borate with Moderate SHG Response. <i>Inorganic Chemistry</i> , 2012, 51, 420-424.	1.9	27
2012	Growth and physicochemical properties of l-phenylalaninium maleate: A novel nonlinear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 369-373.	2.0	17
2013	Synthesis and studies on Cu(II), Co(II), Ni(II) complexes of Knoevenagel \hat{I}^2 -diketone ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 377-383.	2.0	10
2014	Spectroscopic investigation, nucleation, growth, optical, thermal and second harmonic studies of novel semi-organic nonlinear optical crystal Thiourea urea zinc sulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 456-463.	2.0	10
2015	Effect of lithium chloride on spectral, optical, thermal and mechanical behaviour of bis thiourea zinc acetate crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 673-677.	2.0	11
2016	Growth and characterization of l-alanine cadmium bromide a semiorganic nonlinear optical crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 684-689.	2.0	29
2017	Studies on growth, spectral, optical and mechanical properties of new organic NLO crystal: Guanidinium l-glutamate (GuGL). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 741-745.	2.0	22
2018	Synthesis, vibrational and quantum chemical investigations of hydrogen bonded complex betaine dihydrogen selenite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 744-758.	2.0	17
2019	Synthesis, growth, structural, optical, spectral, thermal and mechanical studies of 4-methoxy 4-nitrostilbene (MONS): A new organic nonlinear optical single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 995-1001.	2.0	22
2020	Growth and characterization of Methyl 2-amino-5-bromobenzoate crystal for NLO applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1152-1158.	2.0	7
2021	Studies on growth and spectral characterization of diglycine fumarate monohydrate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 1120-1124.	2.0	3

#	ARTICLE	IF	CITATIONS
2022	Synthesis, growth and characterization of hydrogen bonding organic complex for SHG conversion: 3-hydroxyanilinium-2,5-dimethylbenzenesulphonate single crystal. <i>Solid State Sciences</i> , 2012, 14, 1141-1145.	1.5	2
2023	Noncentrosymmetric Organic Solid and Its Zinc Coordination Polymer with Diamonded Network Prepared from an Ionothermal Reaction: Syntheses, Crystal Structures, and Second-Order Nonlinear Optics Properties. <i>Crystal Growth and Design</i> , 2012, 12, 4663-4668.	1.4	54
2024	Three Novel Isomeric Zinc Metal-Organic Frameworks from a Tetracarboxylate Linker. <i>Inorganic Chemistry</i> , 2012, 51, 7066-7074.	1.9	36
2025	A novel class of nonlinear optical materials based on host-guest composites: zeolites as inorganic crystalline hosts. <i>Chemical Communications</i> , 2012, 48, 4659.	2.2	46
2026	Polymorphism and tautomeric preference in fenobam and the utility of NLO response to detect polymorphic impurities. <i>Chemical Communications</i> , 2012, 48, 10559.	2.2	34
2027	Structure-Property Relationships in Solid Solutions of Noncentrosymmetric Aurivillius Phases, $\text{Bi}_{4-x}\text{La}_x\text{Ti}_3\text{O}_{12}$ ($x = 0-0.75$). <i>Inorganic Chemistry</i> , 2012, 51, 10402-10407.	1.9	30
2028	Amplification of the linear and nonlinear optical response of a chiral molecular crystal. <i>Journal of Chemical Physics</i> , 2012, 136, 134501.	1.2	18
2029	Structural Diversity and Properties of Six 2D or 3D Metal-Organic Frameworks Based on Thiophene-Containing Ligand. <i>Crystal Growth and Design</i> , 2012, 12, 5783-5791.	1.4	23
2030	Construction of a series of metal-organic frameworks with a neutral tetradentate ligand and rigid carboxylate co-ligands. <i>CrystEngComm</i> , 2012, 14, 8274.	1.3	12
2031	Homochiral coordination polymers constructed from aminocarboxylate derivatives: Effect of bipyridine on the amidation reaction. <i>Journal of Solid State Chemistry</i> , 2012, 192, 255-262.	1.4	13
2032	Solvothermal synthesis, crystal structure, and second-order nonlinear optical properties of a new noncentrosymmetric gallium-organic framework material, $[\text{N}(\text{C}_3\text{H}_7)_4]_3\text{Ga}_3[\text{C}_6\text{H}_3(\text{CO}_2)_3]_4$. <i>Journal of Solid State Chemistry</i> , 2012, 194, 369-374.	1.4	6
2033	Synthesis, crystal structure and nonlinear optical property of a Zinc(II) complex base on the reduced Schiff-base ligand. <i>Inorganic Chemistry Communication</i> , 2012, 22, 82-84.	1.8	23
2034	Preparation and structural properties of nonlinear optical borates $\text{K}_2(1-x)\text{Rb}_2x\text{Al}_2\text{B}_2\text{O}_7$, $0 \leq x \leq 0.75$. <i>Journal of Alloys and Compounds</i> , 2012, 515, 119-122.	2.8	59
2035	Crystal growth, structural, spectral and mechanical studies of pure and KI doped ZTS single crystals. <i>Journal of Alloys and Compounds</i> , 2012, 523, 25-29.	2.8	18
2036	Synthesis, crystalline perfection, optical and dielectric studies on metal-organic tri-allylthiourea cadmium chloride (ATCC) nonlinear optical single crystal by solution growth technique. <i>Journal of Alloys and Compounds</i> , 2012, 538, 131-135.	2.8	8
2037	Growth and characterization of a nonlinear optical crystal-2,6-diaminopyridinium 4-nitrophenolate 4-nitrophenol (DAPNP). <i>Journal of Crystal Growth</i> , 2012, 338, 157-161.	0.7	46
2038	Crystal growth, structure and characterization of p-Toluidinium picrate. <i>Journal of Crystal Growth</i> , 2012, 352, 163-166.	0.7	26
2039	Growth and characterization of large single crystals of l-serine methyl ester hydrochloride. <i>Journal of Crystal Growth</i> , 2012, 340, 118-122.	0.7	18

#	ARTICLE	IF	CITATIONS
2040	Growth and characterization of Hexakis(thiourea)nickel(II) nitrate crystals. <i>Journal of Crystal Growth</i> , 2012, 352, 158-162.	0.7	13
2041	Growth of cerium(III)-doped ADP crystals and characterization studies. <i>Journal of Crystal Growth</i> , 2012, 354, 57-61.	0.7	10
2042	Structural and optical properties of a new chalcone single crystal. <i>Journal of Crystal Growth</i> , 2012, 354, 182-187.	0.7	54
2043	Experimental and theoretical studies on physicochemical properties of L-leucine nitrate—a probable nonlinear optical material. <i>Journal of Crystal Growth</i> , 2012, 356, 4-9.	0.7	21
2044	Titanyl Iodate — A Promising Material for Infrared Nonlinear Optics Showing Structural Similarities with KTP. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4264-4267.	1.0	31
2045	DFT and ab initio study on non-linear optical (NLO) properties of some organic complexes with different conjugate linker and substituent groups. <i>Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT/Overl</i>	0.7	20
2046	BaGa ₂ MQ ₆ (M = Si, Ge; Q = S, Se): a new series of promising IR nonlinear optical materials. <i>Dalton Transactions</i> , 2012, 41, 5653.	1.6	174
2047	Design of SHG materials with mid-infrared transparency based on genetic engineering for Ba ₂ BilnA ₅ (A) Tj ETQq1 1 0.784314 rgBT/Overl	0.7	20
2048	New acentric quinolinium crystal with high order parameter for nonlinear optical and electro-optic applications. <i>CrystEngComm</i> , 2012, 14, 3633.	1.3	20
2049	Sulfides with Strong Nonlinear Optical Activity and Thermochromism: ACd ₄ Ga ₅ S ₁₂ (A = K, Rb, Cs). <i>Chemistry of Materials</i> , 2012, 24, 3406-3414.	3.2	156
2050	Five coordination networks based on zwitterionic ligands: synthesis, crystal structures and optical properties. <i>CrystEngComm</i> , 2012, 14, 847-852.	1.3	20
2051	Syntheses, crystal structures and properties of new lead(ii) or bismuth(iii) selenites and tellurite. <i>Dalton Transactions</i> , 2012, 41, 9532.	1.6	36
2052	Electronic and molecular structures and bulk second-order nonlinear optical properties of ferrocenyl ynones. <i>RSC Advances</i> , 2012, 2, 3512.	1.7	8
2053	Synthesis, crystal structure and properties of a new candidate for nonlinear optical material in the IR region: Hg ₂ Br ₃ . <i>Dalton Transactions</i> , 2012, 41, 763-766.	1.6	42
2054	Temperature-Dependent Crystal Self-Assembly, Disassembly, and Reassembly Among Three Cadmium(II) Carboxylate-Phosphinates. <i>Crystal Growth and Design</i> , 2012, 12, 2052-2058.	1.4	39
2055	Molecular Germanium Selenophosphate Salts: Phase-Change Properties and Strong Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2012, 134, 20733-20744.	6.6	74
2056	Solvent-Induced Single-Crystal-to-Single-Crystal Transformation in Multifunctional Chiral Dysprosium(III) Compounds. <i>Inorganic Chemistry</i> , 2012, 51, 8649-8651.	1.9	74
2057	Dielectric and Spectroscopy Studies of L-Arginine Doped Potassium Dihydrogen Phosphate. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
2058	Remarkable enhancement in optical and thermal properties of sodium hydrogen phthalate hemihydrate crystals due to Fe ³⁺ doping. <i>Journal of Crystal Growth</i> , 2012, 361, 44-50.	0.7	26
2059	Investigation on second and third order nonlinear optical, phase matching and birefringence properties of L ³ -glycine single crystals. <i>Optical Materials</i> , 2012, 35, 307-309.	1.7	11
2060	Studies on synthesis, growth, structural, thermal, linear and nonlinear optical properties of organic picolinium maleate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 7-13.	2.0	15
2061	Synthesis and characterization of VO(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes of chromone based azo-linked Schiff base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 35-42.	2.0	52
2062	Growth and spectral characterization of ethylene diamine tetra acetic acid (EDTA) doped zinc sulphate hepta hydrate " A semi organic NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 23-26.	2.0	7
2063	Growth and spectroscopic investigation of a new crystal for NLO applications: C ₁₀ H ₂₀ KN ₅ O ₉ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 99, 181-188.	2.0	12
2064	Effect of copper on the growth morphology and characterization of zinc mercury thiocyanate crystals. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2157-2161.	2.9	4
2065	Giant dielectric response with metastable phase crystallization from Ba ₁ -Ca Ti ₂ O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 3505-3509.	1.5	10
2066	Bulk size crystal growth and physicochemical properties of ionic organic NLO crystal of DSMOS: A potential THz emitter. <i>Materials Chemistry and Physics</i> , 2012, 136, 379-385.	2.0	14
2067	Effect of L-alanine, Mn(II) and glycine dopants on the structural, crystalline perfection, second harmonic generation (SHG), dielectric and mechanical properties of BTCA single crystals. <i>Materials Chemistry and Physics</i> , 2012, 137, 276-281.	2.0	23
2068	Experimental and theoretical studies of second harmonic generation for Bi ₂ O ₂ [NO ₃ (OH)]. <i>Materials Research Bulletin</i> , 2012, 47, 2573-2578.	2.7	39
2069	Investigation on growth, structural, optical, thermal, dielectric and mechanical properties of organic L-prolinium trichloroacetate single crystals. <i>Materials Research Bulletin</i> , 2012, 47, 2299-2305.	2.7	32
2070	K ₃ YB ₆ O ₁₂ : A new nonlinear optical crystal with a short UV cutoff edge. <i>Materials Research Bulletin</i> , 2012, 47, 3810-3813.	2.7	45
2071	Preparation, structural, dielectric and magnetic properties of LaFeO ₃ " PbTiO ₃ solid solutions. <i>Materials Research Bulletin</i> , 2012, 47, 3253-3268.	2.7	32
2072	Luminescent lanthanide metal " organic frameworks with a large SHG response. <i>Chemical Communications</i> , 2012, 48, 11139.	2.2	61
2073	Exploratory Investigation of New SHG Materials Based on Galloborates. <i>Inorganic Chemistry</i> , 2012, 51, 8810-8817.	1.9	43
2074	Noncentrosymmetric Inorganic Open-Framework Chalcohalides with Strong Middle IR SHG and Red Emission: Ba ₃ AGa ₅ Se ₁₀ Cl ₂ (A = Cs, Rb, K). <i>Journal of the American Chemical Society</i> , 2012, 134, 2227-2235.	6.6	220
2075	Syntheses, Structures, Physical Properties, and Electronic Structures of Ba ₂ MLnTe ₅ (M = Ga and Ln = Sm, Gd, Dy, Er, Y; M = In and Ln = Ce, Nd, Sm, Gd, Dy,) <i>Tj ETQq1 1 0.384314</i>	0.384314	1

#	ARTICLE	IF	CITATIONS
2076	Metal-directed one-dimensional chiral zigzag chains and right-handed 61 helix with multiple chiral components: luminescence and NLO properties. CrystEngComm, 2012, 14, 3888. <i>New Vanadium Selenites: Centrosymmetric</i>	1.3	38
2077	$\text{Ca}_2(\text{VO})_2(\text{SeO})_3(\text{H}_2\text{O})_2$, $\text{Sr}_2(\text{VO})_2(\text{SeO})_3$, and $\text{Ba}(\text{V}_2\text{O}_5)(\text{SeO})_3$, and Noncentrosymmetric and Polar $\text{A}_4(\text{VO})_2(\text{SeO})_3(\text{Se}_2\text{O}_5)$ ($\text{A} = \text{Sr}^{2+}$ or Pb^{2+}). Inorganic Chemistry, 2012, 51, 609-619.	1.9	43
2078	Topological Versatility of Oxalate-Based Bimetallic One-Dimensional (1D) Compounds Associated with Ammonium Cations. Inorganic Chemistry, 2012, 51, 11582-11593.	1.9	33
2079	Bulk Crystal Growth and Optical and Thermal Properties of the Nonlinear Optical Crystal $\text{[Histidinium-4-nitrophenolate 4-Nitrophenol (LHPP)]}$. Crystal Growth and Design, 2012, 12, 2673-2678.	1.4	60
2080	New Thiolated Nitrophenylhydrazone Crystals for Nonlinear Optics. Crystal Growth and Design, 2012, 12, 313-319.	1.4	13
2081	Nonlinear optical material of a low-dimensional coordination polymer: Synthesis, structure, NLO and fluorescence properties. Science China Chemistry, 2012, 55, 2123-2127.	4.2	5
2082	Effect of Glycine Doping in Potassium Hydrogen Phthalate (KHP) Crystals on Structural and Optical Properties. Advanced Materials Research, 2012, 584, 116-120.	0.3	1
2083	Top-Seeded Solution Crystal Growth and Functional Properties of Polar LiFeP_2O_7 . Crystal Growth and Design, 2012, 12, 2127-2132.	1.4	26
2084	Effect of the Framework Flexibility on the Centricities in Centrosymmetric $\text{In}_2\text{Zn}(\text{SeO}_3)_4$ and Noncentrosymmetric $\text{Ga}_2\text{Zn}(\text{TeO}_3)_4$. Inorganic Chemistry, 2012, 51, 7844-7850.	1.9	48
2085	Crystal Growth and Characterization of the X-ray and $\hat{\text{I}}^3$ -ray Detector Material $\text{Cs}_2\text{Hg}_6\text{S}_7$. Crystal Growth and Design, 2012, 12, 3250-3256.	1.4	42
2086	Two New Noncentrosymmetric (NCS) Polar Oxides: Syntheses, Characterization, and Structure-Property Relationships in BaMTe_2O_7 ($\text{M} = \text{Mg}^{2+}$ or Tl^+). CrystEngComm, 2012, 14, 3802.	1.3	27
2087	X-ray and neutron diffraction studies of flux and hydrothermally grown nonlinear optical material $\text{KBe}_2\text{BO}_3\text{F}_2$. CrystEngComm, 2012, 14, 6079.	1.3	15
2089	Structure-Property Relationships in Non-Linear Optical Crystals I. Structure and Bonding, 2012, , .	1.0	3
2090	New homochiral ferroelectric supramolecular networks of complexes constructed by chiral S-naproxen ligand. CrystEngComm, 2012, 14, 3802.	1.3	27
2091	Synthesis and Studies on S-Triazine-Based Ligand and Its Metal Complexes. International Journal of Inorganic Chemistry, 2012, 2012, 1-7.	0.6	28
2092	Growth of Organic Nonlinear Optical Crystals from Solution. , 0, , .		0
2093	Effect of Amino Acid Additives on Crystal Growth Parameters and Properties of Ammonium Dihydrogen Phosphate Crystals. , 0, , .		0
2094	An Optical Overview of Poly[-L-alanine-nitrato-sodium(I)] Crystals. Scientific World Journal, The, 2012, 2012, 1-7.	0.8	0

#	ARTICLE	IF	CITATIONS
2095	A Helical Silver(I) Complex with 2- <i>l</i> -Pyrimidylthioacetate: Structure Variation through Partial Change of Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 679-682.	0.6	3
2096	Size-Controlled Single-Crystal Perovskite PbTiO ₃ Nanofibers from Edge-Shared TiO ₆ Octahedron Columns. <i>Small</i> , 2012, 8, 2959-2963.	5.2	24
2097	Rational Synthesis of Noncentrosymmetric Metal-Organic Frameworks for Second-Order Nonlinear Optics. <i>Chemical Reviews</i> , 2012, 112, 1084-1104.	23.0	921
2098	Multiparticle generation of second harmonic and supercontinuum in continuous media. <i>Journal of Contemporary Physics</i> , 2012, 47, 117-127.	0.1	0
2099	[NH ₂ (C ₂ H ₄) ₂ O]MX ₅ : a new family of morpholinium nonlinear optical materials among halogenoantimonate(iii) and halogenobismuthate(iii) compounds. Structural characterization, dielectric and piezoelectric properties. <i>Dalton Transactions</i> , 2012, 41, 7285.	1.6	59
2100	The Role of Polar, Lambda (λ)-Shaped Building Units in Noncentrosymmetric Inorganic Structures. <i>Journal of the American Chemical Society</i> , 2012, 134, 7679-7689.	6.6	123
2101	New structural and vibrational opportunities combining Hyper-Rayleigh/hyper-Raman and Raman scattering in isotropic materials. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 627-636.	1.2	22
2102	Synthesis and Characterization of Metal Complexes with Mixed 4-Imidazole-Containing Tripodal Ligand and Varied Dicarboxylic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 2315-2326.	1.4	50
2103	The effect of Co-60 gamma irradiation on optical properties of some nonlinear optical (NLO) single crystals. <i>Journal of Optics (India)</i> , 2012, 41, 158-166.	0.8	19
2104	Li ₅ Rb ₂ B ₇ O ₁₄ : a new congruently melting compound with two kinds of ¹⁰ B one-dimensional chains and short UV absorption edge. <i>CrystEngComm</i> , 2012, 14, 6720.	1.3	23
2105	Synthesis and Multiscale Evaluation of LiNbO ₃ Containing Silicate Glass-Ceramics with Efficient Isotropic SHG Response. <i>Advanced Functional Materials</i> , 2012, 22, 3985-3993.	7.8	33
2107	Second-Order Nonlinear Optical Activity Induced by Ordered Dipolar Chromophores Confined in the Pores of an Anionic Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10542-10545.	7.2	279
2108	Spectral and thermal characterization of grown organic single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 69-72.	2.0	9
2109	Growth, spectral, and thermal characterization of semicarbazone of p-hydroxy acetophenone (SPHA). <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 317-321.	2.0	3
2110	Influence of Vo(II) doping on the thermal and optical properties of magnesium rubidium sulfate hexahydrate crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 881-885.	2.0	8
2111	Synthesis, growth and characterization of L-proline dimercuricchloride single crystals for frequency conversion applications. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 93-100.	1.1	36
2112	Effect of Mn(II) doping on crystalline perfection, nonlinear, optical and mechanical properties of KDP single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 477-484.	1.1	16
2113	Growth, Characterization and Theoretical Study of a Novel Organometallic Nonlinear Optical Crystal: CdHg(SCN) ₄ (C ₂ H ₅ NO) ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 949-957.	1.1	12

#	ARTICLE	IF	CITATIONS
2114	Subtle structure and fluorescence signal changes of four Hg-containing complexes: Influence of the solvents and the halide ions. <i>Inorganica Chimica Acta</i> , 2012, 384, 163-169.	1.2	17
2115	Synthesis, structure characterization and optical properties of a new lead cadmium borate. <i>Inorganica Chimica Acta</i> , 2012, 384, 158-162.	1.2	26
2116	A new 1D Cd(II) pyridinate polymer: Structure, second-harmonic generation response, dielectric and potential ferroelectric properties. <i>Inorganica Chimica Acta</i> , 2012, 386, 17-21.	1.2	11
2117	A new stilbazolium salt with perfectly aligned chromophores for second-order nonlinear optics: 4-N,N-Dimethylamino-4- \hat{e} ² -N \hat{e} ² -methyl-stilbazolium 3-carboxy-4-hydroxybenzenesulfonate. <i>Dyes and Pigments</i> , 2012, 94, 120-126.	2.0	39
2118	Linear and nonlinear optical properties of N-(3-nitrophenyl) acetamide single crystals. <i>Optik</i> , 2012, 123, 104-108.	1.4	26
2119	Crystal growth, optical and thermal studies of nonlinear optical \hat{I}^3 -glycine single crystal grown from lithium nitrate. <i>Optik</i> , 2012, 123, 409-413.	1.4	39
2120	Growth, linear and nonlinear optical studies on guanidinium 4-nitrobenzoate (GuNB): An organic NLO material. <i>Optik</i> , 2012, 123, 1153-1156.	1.4	20
2121	Synthesis, growth of single crystals and their characterization: L-Alaninium maleate (LAM). <i>Optik</i> , 2012, 123, 604-608.	1.4	19
2122	Effect of ammonium acetate addition on crystal growth, spectral, thermal and optical properties of glycine single crystals. <i>Optik</i> , 2012, 123, 993-995.	1.4	20
2123	Studies on the optical and mechanical properties of non-linear optical 3-aminophenol orthophosphoric acid (3-amphph) single crystal. <i>Optik</i> , 2012, 123, 1082-1086.	1.4	28
2124	Crystal growth, spectral and NMR studies of nonlinear optical crystal: L-valinium picrate. <i>Optik</i> , 2012, 123, 1436-1439.	1.4	18
2125	Synthesis, growth and characterization of a semiorganic nonlinear optical single crystal: L-Valine cadmium bromide. <i>Optik</i> , 2012, 123, 1407-1409.	1.4	11
2126	A multifunctional three-dimensional uninodal eight-connected metal-organic framework based on pentanuclear cadmium subunits: New topology, fluorescent and NLO properties. <i>Inorganic Chemistry Communication</i> , 2012, 15, 202-207.	1.8	27
2127	Homochiral ferroelectric three-dimensional cadmium(II) frameworks from racemic camphoric acid and 3,5-di(imidazol-1-yl)benzoic acid. <i>Inorganic Chemistry Communication</i> , 2012, 15, 317-320.	1.8	17
2128	Bulk single crystal growth and characterization of L-leucine \hat{e} A nonlinear optical material. <i>Materials Chemistry and Physics</i> , 2012, 133, 1055-1059.	2.0	23
2129	Effect of magnesium chloride on growth, crystalline perfection, structural, optical, thermal and NLO behavior of \hat{I}^3 -glycine crystals. <i>Materials Chemistry and Physics</i> , 2012, 134, 371-376.	2.0	48
2130	Temperature-dependent multi-k magnetic structure in multiferroic Co ₃ TeO ₆ . <i>Materials Research Bulletin</i> , 2012, 47, 63-72.	2.7	40
2131	Synthesis, crystal growth and characterization of nonlinear optical organic crystal: p-Toluidinium p-toluenesulphonate. <i>Materials Research Bulletin</i> , 2012, 47, 957-962.	2.7	25

#	ARTICLE	IF	CITATIONS
2132	Microhardness, chemical etching, SEM, AFM and SHG studies of novel nonlinear optical crystal of L-threonine formate. <i>Materials Research Bulletin</i> , 2012, 47, 987-992.	2.7	24
2133	Crystal structure, optical and thermal studies of a new organic nonlinear optical material: L-Histidinium maleate 1.5-hydrate. <i>Materials Research Bulletin</i> , 2012, 47, 1648-1652.	2.7	24
2134	Studies on structural, thermal and optical properties of novel NLO crystal bis L-glutamine sodium nitrate. <i>Materials Letters</i> , 2012, 74, 74-77.	1.3	17
2135	Electronic absorption and vibrational spectra and nonlinear optical properties of L-valinium succinate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 85, 66-73.	2.0	10
2136	Unidirectional growth of benzil crystal from solution by Sankaranarayanan's Ramasamy method and its characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 27-32.	2.0	22
2137	Analysis of vibrational spectra and nonlinear optical properties of organic molecule L-alaninium formate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 174-180.	2.0	14
2138	Growth, spectroscopic, dielectric and nonlinear optical studies of semi organic nonlinear optical crystal of L-Alanine lithium chloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 80-84.	2.0	35
2139	Growth and characterization of organic material 3-hydroxybenzaldehyde single crystal by modified vertical Bridgman technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 194-198.	2.0	31
2140	Growth and characterization of novel organic optical crystal: Anilinium d-tartrate (ADT). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 265-272.	2.0	20
2141	Synthesis, structural, optical and thermal studies of an organic nonlinear optical 4-aminopyridinium maleate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 88, 77-81.	2.0	35
2142	Growth and characterization of pure and glycine doped cadmium thiourea sulphate (GCTS) crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 30-34.	2.0	22
2143	Growth, spectral, optical, thermal, crystallization perfection and nonlinear optical studies of novel nonlinear optical crystal of Urea thiosemicarbazone monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 345-351.	2.0	21
2144	FT-IR, FT-Raman and computational study of (E)-N-carbamimidoyl-4-((4-methoxybenzylidene)amino)benzenesulfonamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 84-90.	2.0	37
2145	Growth, crystalline perfection and characterization of benzophenone oxime crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 207-211.	2.0	1
2146	Optical, elemental and structural analyses of acetoacetanilide single crystals for nonlinear optical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 75-80.	2.0	9
2147	Structural, vibrational and thermal studies of a new nonlinear optical material: L-Asparagine-L-tartaric acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 388-391.	2.0	38
2148	Synthesis, growth and characterization of a new nonlinear optical crystal: Glycinium hydrogen squarate (GHS). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 81-85.	2.0	3
2149	Growth, spectroscopy, dielectric and nonlinear optical studies of novel organic NLO crystal: L-Threonine formate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 78-83.	2.0	29

#	ARTICLE	IF	CITATIONS
2150	Uniaxial growth of ~100% zinc (tris) thiourea sulphate (ZTS) single crystal by Sankaranarayananâ€“Ramasamy (SR) method and its characterizations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 265-270.	2.0	7
2151	Growth, structural, thermal, linear and nonlinear optical and laser damage threshold studies of Picolinium tartrate monohydrate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 310-316.	2.0	41
2152	Spectroscopic studies and biological evaluation of some transition metal complexes of azo Schiff-base ligand derived from (1-phenyl-2,3-dimethyl-4-aminopyrazol-5-one) and 5-((4-chlorophenyl)diazenyl)-2-hydroxybenzaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 493-500.	2.0	81
2153	Phase transitions, ferroelectric behavior and second-order nonlinear optics of a new mixed sodium dihydrogen phosphateâ€“arsenate. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 418-422.	1.9	9
2154	Enhancement of second harmonic generation efficiency: Cs(I)-doped tris(thiourea)zinc(II) sulphate crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1146-1150.	1.9	14
2155	Synthesis and characterisation of glycine sodium nitrite crystals having non linear optical behaviour. <i>Optics Communications</i> , 2012, 285, 288-293.	1.0	2
2156	Growth, structural, optical and mechanical studies on acid mixed glycine metal salt (GABN) crystal as potential NLO material. <i>Optics Communications</i> , 2012, 285, 1253-1258.	1.0	7
2157	Growth and characterization of l-histidine cadmium chloride monohydrate a semiorganic nonlinear optical crystals. <i>Optics Communications</i> , 2012, 285, 2096-2100.	1.0	23
2158	Crystal growth and characterization of L-valine cadmium acetate a semiorganic NLO crystals. <i>Optics Communications</i> , 2012, 285, 3872-3876.	1.0	11
2159	Synthesis, growth, structural, spectroscopic, crystalline perfection, second harmonic generation (SHG) and thermal studies of 2-aminopyridinium picrate (2APP): A new nonlinear optical material. <i>Solid State Sciences</i> , 2012, 14, 773-776.	1.5	37
2160	Structural, optical and electrical characteristics of a new NLO crystal. <i>Optics and Laser Technology</i> , 2012, 44, 1689-1697.	2.2	47
2161	Picosecond nonlinear optical features of ferroelectric large sized nanocrystallites. <i>Optical Materials</i> , 2012, 34, 1261-1266.	1.7	24
2162	Crystal growth and characterization of l-histidine hydrochloride monohydrate semiorganic nonlinear optical single crystals. <i>Optical Materials</i> , 2012, 34, 1225-1230.	1.7	35
2163	Orientalional disorder and geometrical isomeric effect on nonlinear optical properties of poly bis(glycine)cadmium chloride. <i>Physica B: Condensed Matter</i> , 2012, 407, 188-192.	1.3	1
2164	Synthesis, characterization, photoluminescence and optical properties of heterobimetallic Cu/Ru hybrid complexes composed of coordination and organometallic sites. <i>Polyhedron</i> , 2012, 33, 179-184.	1.0	12
2165	Thermotropic poly(azomethine-urethane)s with non linear optical properties: Synthesis and characterization. <i>Polymer Science - Series B</i> , 2012, 54, 342-348.	0.3	6
2166	Highly Efficient Organic THz Generator Pumped at Nearâ€“Infrared: Quinolinium Single Crystals. <i>Advanced Functional Materials</i> , 2012, 22, 200-209.	7.8	103
2167	Electrical and non-linear optical studies on electrospun ZnO/BaO composite nanofibers. <i>Frontiers of Materials Science</i> , 2012, 6, 69-78.	1.1	6

#	ARTICLE	IF	CITATIONS
2168	Growth, spectral, and thermal characterization of the NLO crystal: semicarbazone of dl-camphor (SDLC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 1213-1217.	2.0	7
2169	Crystallization, spectral, and thermal characterization of l-histidine methyl ester dihydrochloride (LHMED). <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 1231-1235.	2.0	23
2170	Influence of Zn ²⁺ ion on the organometallic l-alanine cadmium chloride single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1185-1190.	2.0	1
2171	Crystal growth and characterization of potassium(I)-doped tetrakis(thiourea)nickel(II) chloride. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1101-1106.	2.0	4
2172	Growth and characterization of 0.1 and 0.25 zinc magnesium ammonium sulphate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1127-1132.	2.0	4
2173	Temperature resolved second harmonic generation to probe the structural purity of m-hydroxybenzoic acid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 271-277.	2.0	17
2174	ZnTeMoO6: a strong second-harmonic generation material originating from three types of asymmetric building units. <i>RSC Advances</i> , 2013, 3, 14000.	1.7	39
2175	Growth and characterization of pure and doped organic nonlinear optical single crystal: l-Alanine alaninium nitrate (LAAN). <i>Optik</i> , 2013, 124, 5898-5905.	1.4	17
2176	Keto-enol tautomerism and nonlinear optical properties in 1 ² -diketones containing [2.2]paracyclophane. <i>Optical Materials</i> , 2013, 36, 47-52.	1.7	12
2177	Quadratic susceptibility and first hyperpolarizability of the complex of Cr(CO) ₃ with [2.2]paracyclophane. <i>Optical Materials</i> , 2013, 36, 146-150.	1.7	7
2178	Chiral and Noncentrosymmetric Metal-Organic Frameworks Featuring a 2D 3D Parallel/Parallel Inclined Subpolycatenation. <i>Crystal Growth and Design</i> , 2013, 13, 3381-3388.	1.4	24
2179	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. <i>Journal of the American Chemical Society</i> , 2013, 135, 11942-11950.	6.6	89
2180	NLO in correlation of phase transition and the alkaline metal environment effect on it in KDP family. <i>Physica B: Condensed Matter</i> , 2013, 428, 106-109.	1.3	2
2181	Synthesis, conductivity behaviour and second-order nonlinear optics of partially substituted double KDP containing As ⁵⁺ and Na ⁺ . <i>Physica B: Condensed Matter</i> , 2013, 410, 182-187.	1.3	3
2182	L-leucinium perchlorate: new molecular complex with nonlinear optical properties. Vibrational, calorimetric and theoretical studies. <i>Open Chemistry</i> , 2013, 11, 1264-1277.	1.0	1
2183	Synthesis, structural characterization and optical properties of new compounds: Centrosymmetric Ba ₂ GaMQ ₅ (M=Sb,Bi; Q=Se,Te), Ba ₂ InSbTe ₅ and noncentrosymmetric Ba ₂ InSbSe ₅ . <i>Journal of Solid State Chemistry</i> , 2013, 198, 81-86.	1.4	29
2184	Syntheses, Structures, and Nonlinear Optical Properties of Quaternary Chalcogenides: Pb ₄ Ga ₄ GeQ ₁₂ (Q = S, Se). <i>Inorganic Chemistry</i> , 2013, 52, 8334-8341.	1.9	50
2185	Monotropic Transition Mechanism of <i>m</i> -Hydroxybenzoic Acid Investigated by Temperature-Resolved Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2013, 13, 3697-3704.	1.4	28

#	ARTICLE	IF	CITATIONS
2186	U ₃ F ₁₂ (H ₂ O), a Noncentrosymmetric Uranium(IV) Fluoride Prepared via a Convenient In Situ Route That Creates U ⁴⁺ under Mild Hydrothermal Conditions. <i>Inorganic Chemistry</i> , 2013, 52, 8303-8305.	1.9	36
2187	YAl ₃ (BO ₃) ₄ :TM (TM = Mn, Co, Cr) nanocrystals synthesis for laser operated nonlinear optics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1485-1489.	1.1	3
2188	Synthesis, growth and properties of a novel organic nonlinear optical material: Benzimidazolium perchlorate. <i>Optik</i> , 2013, 124, 5707-5710.	1.4	13
2190	Functional Glass Ceramic Based on Potassium Niobate. <i>Glass and Ceramics (English Translation of) Tj ETQq1 1 0.784314 rgBT₂/Overlock</i>	0.2	0
2191	Synthesis, crystal growth and spectroscopic investigation of second order organic nonlinear optical single crystal: 2-Chloro-N-[4-(dimethylamino)benzylidene]aniline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 143-147.	2.0	2
2192	A calixarene based metal organic material, calixMOM, that binds potassium cations. <i>Chemical Communications</i> , 2013, 49, 8353.	2.2	33
2193	Two phases of Ga ₂ S ₃ : promising infrared second-order nonlinear optical materials with very high laser induced damage thresholds. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4754.	2.7	243
2194	Generation of the second harmonic of laser radiation in powders of pure and doped potassium nitrate in the temperature interval of 25–160 °C. <i>Optoelectronics, Instrumentation and Data Processing</i> , 2013, 49, 293-297.	0.2	0
2195	Synthesis and evaluation of biological and nonlinear optical properties of some novel 2,4-disubstituted [1,3]-thiazoles carrying 2-(aryloxymethyl)-phenyl moiety. <i>Medicinal Chemistry Research</i> , 2013, 22, 1925-1937.	1.1	9
2196	Ca _{10.5} x Pb x (PO ₄) ₇ and Ca _{9.5} x Pb x M(PO ₄) ₇ ferroelectrics with the whitlockite structure. <i>Inorganic Materials</i> , 2013, 49, 807-812.	0.2	12
2197	Third order nonlinear optical properties of potassium dichromate single crystals by Z-scan technique. <i>Optik</i> , 2013, 124, 4716-4720.	1.4	82
2198	Studies on the optical and mechanical properties of organic nonlinear optical 1-(4-fluorostyryl)-4-nitrostilbene (FNS) single crystal. <i>Optik</i> , 2013, 124, 5111-5115.	1.4	31
2199	Pressure-induced magnetic phase transition in Cr ₂ O ₃ determined by second harmonic generation measurements. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
2200	Structural studies and physicochemical properties of l-valine hydrochloride monohydrate. <i>CrystEngComm</i> , 2013, 15, 7372.	1.3	45
2201	Effect of Co ²⁺ on the growth and physical properties of potential nonlinear optical l-Asparaginium picrate crystal. <i>Optik</i> , 2013, 124, 2696-2700.	1.4	7
2202	Search for molecular crystals with NLO properties: 3-Nitrophenol with nicotinamide and isonicotinamide. <i>Journal of Molecular Structure</i> , 2013, 1047, 310-316.	1.8	13
2203	Polymorphism and optical properties in [NH ₄][InSe ₂]. <i>Journal of Solid State Chemistry</i> , 2013, 204, 159-165.	1.4	6
2204	Chemistry of Polar Transition-Metal Oxides. , 2013, , 41-61.		0

#	ARTICLE	IF	CITATIONS
2205	Investigations on the physico chemical properties of 4-bromochalcone single crystals for nonlinear optical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 45-52.	2.0	13
2206	Chalcogenides and Nonoxides. , 2013, , 213-283.		1
2207	Interrelationship of Structure-Property for the Crystals of Noncentrosymmetric Tungstates. <i>Ferroelectrics</i> , 2013, 444, 144-149.	0.3	8
2208	Structural, optical and mechanical property analysis of magnesium sulphate admixed L-Threonine: A novel optoelectronic material. <i>Optik</i> , 2013, 124, 6887-6891.	1.4	4
2209	Synthesis, growth, and characterization of 3-(4-Methoxyphenyl)-1-(pyridin-2-yl) prop-2-en-1-one single crystal: A potential NLO material. <i>Journal of Molecular Structure</i> , 2013, 1051, 285-291.	1.8	33
2210	Effect of divalent metal ion impurities (Ba ²⁺ , Ca ²⁺ and Mg ²⁺) on the growth, structural and physical properties of KAP crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 187-192.	2.0	13
2211	Growth aspects, spectral, thermal and hardness studies of rare earth cerium(III)nitrate doped zinc(tris) thiourea sulphate single crystals. <i>Optik</i> , 2013, 124, 4240-4245.	1.4	12
2212	Effect of trivalent metal ion impurities (Al ³⁺ , Cr ³⁺ and Fe ³⁺) on the growth, structural and physical properties of potassium acid phthalate (KAP) crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 21-26.	2.0	6
2213	Growth and characterization of pure and KCl doped zinc thiourea chloride (ZTC) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 297-300.	2.0	8
2214	Crystal growth and second harmonic generation efficiency of a chalcone derivative. <i>Physica B: Condensed Matter</i> , 2013, 419, 95-99.	1.3	10
2215	Semiorganic nonlinear optical material: Crystal growth, structure and optical properties of NaB(L-C ₄ H ₄ O ₅) ₂ . <i>Materials Research Bulletin</i> , 2013, 48, 3077-3081.	2.7	7
2216	Spectral characterization of a non-centrosymmetric organic compound: D-(S)-alanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 326-330.	2.0	6
2217	Crystal growth, structural, optical, thermal and SHG studies of L-glycine single crystal grown from ammonium formate. <i>Optik</i> , 2013, 124, 2251-2254.	1.4	6
2218	Structural and spectral characterization of a new non-centrosymmetric organic thiosulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 235-241.	2.0	7
2219	Synthesis and characterization of nonlinear optical L-arginine semi-oxalate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 106, 210-215.	2.0	13
2220	Studies on second harmonic generation efficiency of organic material L-arginine maleate dihydrate. <i>Optik</i> , 2013, 124, 4155-4158.	1.4	41
2221	Second-harmonic scattering in aqueous urea solutions: evidence for solute clusters?. <i>Faraday Discussions</i> , 2013, 167, 441.	1.6	11
2222	Synthesis, spectral and thermal characterization of Bis(diethylammonium) tetrachloromercurate(II)-An nonlinear optical material. <i>Optik</i> , 2013, 124, 6877-6881.	1.4	1

#	ARTICLE	IF	CITATIONS
2223	Chemical analysis, FTIR and microhardness study to find out nonlinear optical property of l-asparagine lithium chloride: a semiorganic crystal. <i>Microchemical Journal</i> , 2013, 110, 749-752.	2.3	16
2224	Luminescent, magnetic and ferroelectric properties of noncentrosymmetric chain-like complexes composed of nine-coordinate lanthanide ions. <i>Dalton Transactions</i> , 2013, 42, 15317.	1.6	62
2225	Hydrothermal preparation, structure and characterizations of noncentrosymmetric LiZnO(IO ₃). <i>Solid State Sciences</i> , 2013, 25, 130-133.	1.5	6
2226	Crystal Engineering of Acentric Styryl Quinolinium Crystals with Strongly Hydrogen-Bonded Phenolic Anions. <i>Crystal Growth and Design</i> , 2013, 13, 5085-5091.	1.4	23
2227	Study on effect of 1,3-dimethyl urea doping on optical properties of l-arginine phosphate monohydrate (LAP) single crystal. <i>Results in Physics</i> , 2013, 3, 97-102.	2.0	6
2228	Optical, mechanical and thermal characterization of l-threonine single crystals grown in dimethyl urea solution. <i>Physica Scripta</i> , 2013, 88, 035801.	1.2	6
2229	Prospects for Fluoride Carbonate Nonlinear Optical Crystals in the UV and Deep-UV Regions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25684-25692.	1.5	92
2230	CsPbCO ₃ F: A Strong Second-Harmonic Generation Material Derived from Enhancement via p ^π -π Interaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 18560-18566.	6.6	242
2231	Deep-Ultraviolet Nonlinear Optical Materials: Na ₂ Be ₄ B ₄ O ₁₁ and LiNa ₅ Be ₁₂ B ₁₂ O ₃₃ . <i>Journal of the American Chemical Society</i> , 2013, 135, 18319-18322.	6.6	234
2232	Isomerism of a series of octahedrally coordinated transition metal carboxylate ^π phosphinates with 1,10-phenanthroline as a coligand: Discrete dimers or double-chains constructed by various dimeric ring motifs. <i>Polyhedron</i> , 2013, 51, 18-26.	1.0	13
2233	Polar and Magnetic Layered A-Site and Rock Salt B-Site-Ordered NaLnFeWO ₆ (Ln = La, Nd) Perovskites. <i>Inorganic Chemistry</i> , 2013, 52, 12482-12491.	1.9	28
2234	Linear and nonlinear optical properties of semiorganic single crystal: l-Alanine cadmium chloride (LACC). <i>Optik</i> , 2013, 124, 6978-6982.	1.4	25
2235	Top-seeded solution growth and characterization of a novel nonlinear optical crystal MnTeMoO ₆ . <i>Journal of Crystal Growth</i> , 2013, 369, 43-46.	0.7	28
2236	Top-Seeded Single-Crystal Growth, Structure, and Physical Properties of Polar LiCrP ₂ O ₇ . <i>Crystal Growth and Design</i> , 2013, 13, 5473-5480.	1.4	13
2237	An extensive investigation on nucleation, growth parameters, crystalline perfection, spectroscopy, thermal, optical, microhardness, dielectric and SHG studies on potential NLO crystal ^π Ammonium Hydrogen l-tartarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 388-399.	2.0	28
2238	Growth and Characterization of Pure and Thiourea-Doped L-Alanine Single Crystals for NLO Devices. <i>Journal of Russian Laser Research</i> , 2013, 34, 346-350.	0.3	8
2239	Structure and properties of Ca ₉ ^π x Pb x R(PO ₄) ₇ (R = Sc, Cr, Fe, Ga, In) whitlockite-like solid solutions. <i>Inorganic Materials</i> , 2013, 49, 507-512.	0.2	10
2240	Recent advances in rare earth-based borate single crystals: Potential materials for nonlinear optical and laser applications. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2013, 59, 113-132.	1.8	59

#	ARTICLE	IF	CITATIONS
2241	Growth and characterization of nonlinear optical crystal Bis Thiourea Zinc Acetate (BTZA) in the presence of L-Proline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 371-376.	2.0	4
2242	Growth and anisotropic studies on potential nonlinear optical crystal imidazole-imidazolium picrate monohydrate (IIP) in different orientations for NLO device fabrications. <i>Optics and Laser Technology</i> , 2013, 49, 288-295.	2.2	54
2243	Synthesis, growth and characterization of L-asparagine cadmium bromide: A novel semiorganic nonlinear optical single crystal. <i>Optik</i> , 2013, 124, 4303-4306.	1.4	7
2244	Intercalation of chiral molecules into layered metal-organic frameworks: a strategy to synthesize homochiral MOFs. <i>Chemical Communications</i> , 2013, 49, 10644.	2.2	32
2245	Effect of Rigid Units on the Symmetry of the Framework: Design and Synthesis of Centrosymmetric NaBa ₄ (B ₅ O ₉) ₂ F ₂ Cl and Noncentrosymmetric NaBa ₄ (AlB ₄ O ₉) ₂ Br ₃ . <i>Crystal Growth and Design</i> , 2013, 13, 3514-3521.	1.4	43
2246	Dielectric, ferroelectric and non-linear optical behavior of crystalline erbium tartrate dihydrate. <i>Current Applied Physics</i> , 2013, 13, 1928-1932.	1.1	6
2247	A Facile Method to Determine the Absolute Structure of Achiral Molecules: Supramolecular Tilt Structures. <i>Chemistry - A European Journal</i> , 2013, 19, 6044-6051.	1.7	5
2248	Homochiral Helical Metal-Organic Frameworks of Group 1 Metals. <i>Inorganic Chemistry</i> , 2013, 52, 10041-10051.	1.9	33
2249	Synthesis, spectral, thermal, optical, electrical, mechanical and structural characterisations and quantum chemical study of 4-nitrophenol: Urea molecular adduct crystals. <i>Journal of Molecular Structure</i> , 2013, 1053, 5-14.	1.8	27
2250	Na ₈ Lu ₂ (CO ₃) ₆ F ₂ and Na ₃ Lu(CO ₃) ₂ F ₂ : Rare Earth Fluoride Carbonates as Deep-UV Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2013, 25, 3147-3153.	3.2	123
2251	Interrelationship of Micro- and Macrostructure with Physical Properties of Noncentrosymmetric Germanates. <i>Ferroelectrics</i> , 2013, 444, 137-143.	0.3	6
2252	First principles selection and design of mid-IR nonlinear optical halide crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7363.	2.7	117
2253	Growth and design of novel nonlinear optical material (NLO) - Glycine barium nitrate potassium nitrate (GBNPN) crystal. <i>Optik</i> , 2013, 124, 3204-3207.	1.4	3
2254	Solid-state synthesis, structure, second-harmonic generation, and luminescent properties of noncentrosymmetric BaSi ₇ N ₁₀ :Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4705.	2.7	15
2255	New tartratoborates: synthesis, structure, and characterization of non-centrosymmetric ASr[C ₄ H ₂ O ₆ B(OH) ₂] ₄ ·4H ₂ O (A = K ⁺ , Rb ⁺). <i>Journal of Materials Chemistry A</i> , 2013, 1, 10389.	5.2	27
2256	Noncentrosymmetric Cubic CsCdBO ₃ with Bichromophore. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5528-5533.	1.0	22
2257	Growth and characterization of pure and L-Glutamic acid doped zinc tris(thiourea) sulphate (ZTS) single crystals. , 2013, , .		0
2258	From achiral tetrazolate-based tectons to chiral coordination networks: effects of substituents on the structures and NLO properties. <i>CrystEngComm</i> , 2013, 15, 8180.	1.3	17

#	ARTICLE	IF	CITATIONS
2259	Studies on crystal growth, vibrational, dielectric, electronic, mechanical and thermal properties of new organic nonlinear optical crystal: 3-nitrocinnamic acid. CrystEngComm, 2013, 15, 9176.	1.3	15
2260	Dynamic one-dimensional water in a nonporous organic solid with optics response. CrystEngComm, 2013, 15, 7430.	1.3	11
2261	A second-order nonlinear optical material with a hydrated homochiral helix obtained via spontaneous symmetric breaking crystallization from an achiral ligand. Chemical Communications, 2013, 49, 3585.	2.2	50
2262	From discrete borate cluster to three-dimensional open framework. CrystEngComm, 2013, 15, 4483.	1.3	27
2263	LaBeB3O7: a new phase-matchable nonlinear optical crystal exclusively containing the tetrahedral XO4 (X = B and Be) anionic groups. Journal of Materials Chemistry C, 2013, 1, 3616.	2.7	30
2264	Ln3GaS6 (Ln = Dy, Y): new infrared nonlinear optical materials with high laser induced damage thresholds. Dalton Transactions, 2013, 42, 14223.	1.6	63
2265	Na2Cd7B8O20: a new noncentrosymmetric compound with special [B3O7] units. CrystEngComm, 2013, 15, 3412.	1.3	18
2266	Growth and characterization of pure and 1, 10 phenanthraline doped potassium penta borate (KB5) single crystals. IOP Conference Series: Materials Science and Engineering, 2013, 43, 012006.	0.3	2
2267	Ba ₂ YFeO _{5.5} : A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation.. Chemistry of Materials, 2013, 25, 1800-1808.	3.2	16
2268	Ba ₃ M ₂ [B ₃ O ₆ (OH)] ₂ [B ₄ O ₇ (OH)] ₂ (M=Al, Ga): Two Novel UV Nonlinear Optical Metal Borates Containing Two Types of Oxoboron Clusters. Chemistry - A European Journal, 2013, 19, 17662-17667.	1.7	109
2269	Synthesis, crystal structure and nonlinear optical property of CsV2O5. Inorganic Chemistry Communication, 2013, 27, 79-81.	1.8	7
2270	Growth, structure, crystalline perfection and characterization of Mg(II)-incorporated tris(thiourea)Zn(II) sulfate crystals: Enhanced second harmonic generation (SHG) efficiency. Journal of Alloys and Compounds, 2013, 548, 201-207.	2.8	23
2271	Synthesis, crystal structures and optical properties of two congruent-melting isotypic diphosphates: LiM3P2O7 (M=Na, K). Journal of Solid State Chemistry, 2013, 197, 128-133.	1.4	55
2272	Structure and optical properties of a noncentrosymmetric borate RbSr4(BO3)3. Journal of Solid State Chemistry, 2013, 197, 366-369.	1.4	27
2273	Synthesis, growth and properties of an organic nonlinear optical crystal: 2-Aminopyridinium benzoate (2-APB). Optik, 2013, 124, 2630-2634.	1.4	16
2274	Solid-state Fluorescence Emission and Second-Order Nonlinear Optical Properties of Coumarin-based Fluorophores. Journal of Fluorescence, 2013, 23, 123-130.	1.3	40
2275	Synthesis, growth, structural, spectral, linear and nonlinear optical and mechanical studies of a novel organic NLO single crystal 4-Bromo 4-Nitrostilbene (BONS) for nonlinear optical applications. Optical Materials, 2013, 35, 898-903.	1.7	18
2276	From Magnetic to Nonlinear Optical Switches in Spin-Crossover Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 615-627.	1.0	45

#	ARTICLE	IF	CITATIONS
2277	New Molybdenum(VI) Phosphates: Synthesis, Characterization, and Calculations of Centrosymmetric RbMoO ₂ PO ₄ and Noncentrosymmetric Rb ₄ Mo ₅ P ₂ O ₂₂ . <i>Inorganic Chemistry</i> , 2013, 52, 1488-1495.	1.9	31
2278	Growth of N-Glycyl-L-Valine (GV) single crystal and its spectral, thermal and optical characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 34-37.	2.0	6
2279	Growth and physical properties of a new crystal for NLO applications: Bisguanidinium hydrogen phosphate monohydrate (G2HP). <i>Journal of Crystal Growth</i> , 2013, 362, 130-134.	0.7	34
2280	Ligand Geometry Directed Polar Cobalt(II) Phosphonate Displaying Weak Ferromagnetism. <i>Crystal Growth and Design</i> , 2013, 13, 838-843.	1.4	22
2281	The syntheses, structures and characterizations of a series of frameworks constructed from polyoxometalates, metals and organic units. <i>CrystEngComm</i> , 2013, 15, 285-293.	1.3	16
2282	Growth and characterization of KDP crystals doped with L-aspartic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 310-314.	2.0	14
2283	Analysis on structural, SHG efficiency, optical and mechanical properties of KDP single crystals influenced by Glycine doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 199-204.	2.0	39
2284	Growth, optical, thermal, and conductivity behavior of nonlinear optical single crystals of CdHg(SCN) ₄ (CH ₃ OC ₂ H ₅ O). <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1491-1497.	2.0	17
2285	Influence of Replacing Si by Ge in the Chalcogenide Quaternary Sulfides Ag ₂ In ₂ Si(Ge) ₆ on the Chemical Bonding, Linear and Nonlinear Optical Susceptibilities, and Hyperpolarizability. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2545-2553.	1.2	38
2286	Synthesis, single crystal growth, characterization and comparison of two new enone shifted chalcones and their NLO behaviour. <i>CrystEngComm</i> , 2013, 15, 2438.	1.3	77
2287	Antimicrobial activity and second harmonic studies on organic non-centrosymmetric pure and doped ninhydrin single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 110-113.	2.0	14
2288	A novel Ag(I) coordination polymers based on 2-(pyridin-4-yl)-1H-imidazole-4,5-dicarboxylic acid: Syntheses, structures, ferroelectric, dielectric and optical properties. <i>Inorganica Chimica Acta</i> , 2013, 406, 95-99.	1.2	22
2289	Crystal structure, growth and characterization of LiPbB ₉ O ₁₅ : A new congruent melting nonlinear optical crystal. <i>Journal of Solid State Chemistry</i> , 2013, 201, 288-292.	1.4	22
2290	Crystal growth, structural, optical, thermal and NLO studies of ¹³ C-glycine single crystals. <i>Optik</i> , 2013, 124, 6456-6460.	1.4	14
2291	Studies on vibrational, thermal, optical, dielectric and mechanical properties of a molecular salt: 2-Methylimidazolium hydrogen succinate. <i>Optik</i> , 2013, 124, 5553-5560.	1.4	16
2292	Growth, structural, spectral and optical studies on 2,4-dinitrophenol organic single crystal. <i>Optik</i> , 2013, 124, 4296-4299.	1.4	18
2293	Noncentrosymmetric mixed-cation borate: Crystal growth, structure and optical properties of Cs ₂ Ca[B ₄ O ₅ (OH) ₄]2A·8H ₂ O. <i>Journal of Crystal Growth</i> , 2013, 380, 176-181.	0.7	9
2294	Influence of metallic substitution on the physical properties of nickel mercury thiocyanate nonlinear optical crystal. <i>Optik</i> , 2013, 124, 1366-1368.	1.4	3

#	ARTICLE	IF	CITATIONS
2295	Non-linear optical, electrical and magnetic behavior of manganese (II) malonate dihydrate single crystals. <i>Optik</i> , 2013, 124, 2881-2884.	1.4	4
2296	Synthesis, crystal structure, spectrum properties, and electronic structure of a new three-borate $Ba_4Na_2Zn_4(B_3O_6)_2(B_{12}O_{24})$ with two isolated types of blocks: $3[3\hat{I}^{III}]$ and $3[2\hat{I}^{III}+1T]$. <i>Journal of Alloys and Compounds</i> , 2013, 568, 60-67.	2.8	39
2297	Studies on the effect of 1 mol% l-alanine mixed bithiourea cadmium chloride (LABTCC) crystals. <i>Optik</i> , 2013, 124, 1269-1272.	1.4	0
2298	Heterobimetallic M(II)/Ru(II) (M=Ni, Zn) complexes containing coordination and organometallic sites: Synthesis, characterization, luminescence and NLO properties. <i>Inorganica Chimica Acta</i> , 2013, 394, 598-604.	1.2	14
2299	Growth, spectral, thermal, dielectric, mechanical, linear and nonlinear optical, birefringence, laser damage threshold studies of semi-organic crystal: Dibrucinium sulfate heptahydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 152-160.	2.0	39
2300	Linear and nonlinear optical studies of \hat{I}^3 -glycine single crystals from ammonium carbonate for optoelectronic applications. <i>Optik</i> , 2013, 124, 526-528.	1.4	6
2301	Effect of sodium chloride on the properties of ZTS single crystals. <i>Journal of Alloys and Compounds</i> , 2013, 558, 34-38.	2.8	12
2302	Synthesis, growth and spectral studies of S-benzyl isothiuronium nitrate by density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 1-7.	2.0	5
2303	$Pb_{23}B_{35}O_{55}(OH)_2$ and $[Pb_{33}B_{33}O_{77}](NO_3)_3$: Facile Syntheses of New Lead(II) Borates by Simply Changing the pH Values of the Reaction Systems. <i>Inorganic Chemistry</i> , 2013, 52, 8979-8986.	1.9	53
2304	Crystal growth, structure and spectroscopic studies of a novel organic single crystal: L-lysine p- \hat{I} -nitrophenolate monohydrate (LLNP). <i>Crystal Research and Technology</i> , 2013, 48, 1087-1096.	0.6	11
2305	Synthesis, crystal growth, thermal studies and scaled quantum chemical studies of structural and vibrational spectra of the highly efficient organic NLO crystal: 1-(4-Aminophenyl)-3-(3,4-dimethoxyphenyl)-prop-2-en-1-one. <i>Materials Chemistry and Physics</i> , 2013, 141, 248-262.	2.0	38
2306	Reprint of: Second-harmonic generation from non-dipolar non-centrosymmetric aromatic charge-transfer molecules. <i>Chemical Physics Letters</i> , 2013, 589, 47-50.	1.2	3
2307	Spectroscopic and thermal studies of \hat{I}^3 -glycine crystal grown from potassium bromide for optoelectronic applications. <i>Arabian Journal of Chemistry</i> , 2013, 6, 429-433.	2.3	40
2308	Synthesis, growth and characterization of \hat{I}^{∞} conjugated organic nonlinear optical chalcone derivative. <i>Materials Chemistry and Physics</i> , 2013, 138, 179-185.	2.0	80
2309	Growth and spectral properties of a new nonlinear laser crystal of $Nd^{3+}:Ca_9Y_0.5La_0.5(VO_4)_7$. <i>Journal of Alloys and Compounds</i> , 2013, 551, 229-232.	2.8	26
2310	Two chiral mononuclear and one-dimensional cadmium(II) complexes constructed by (1R,2R)-N1,N2-bis(pyridinylmethyl)cyclohexane-1,2-diamine derivatives: Effect of positional isomerism. <i>Solid State Sciences</i> , 2013, 16, 34-38.	1.5	10
2311	Synthesis, structure, optical properties, antifungal and antibacterial activities of 2-(1-oxo-1H-2,3-dihydroisoindol-2-yl)-3-imidazolyl-L-lactamic acid. <i>Journal of Molecular Structure</i> , 2013, 1050, 211-215.	1.8	2
2312	A study on Fourier transform infrared spectroscopy, thermal, mechanical, NLO and laser damage properties on unidirectional Glycinium Picrate Mono Glycine crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 747-752.	2.0	6

#	ARTICLE	IF	CITATIONS
2313	Sr ₃ B ₆ O ₁₁ F ₂ : a promising polar fluoroborate with short UV absorption edge and moderate second harmonic generation response. <i>Scripta Materialia</i> , 2013, 69, 449-452.	2.6	25
2314	Optical reflectance, optical refractive index and optical band gap measurements of nonlinear optics for photonic applications. <i>Optics Communications</i> , 2013, 295, 134-139.	1.0	18
2315	Experimental and theoretical characterization of semiorganic nonlinear optical material l-leucine hydrobromide. <i>Materials Research Bulletin</i> , 2013, 48, 1612-1617.	2.7	16
2316	Synthesis, nucleation, growth, structural, spectral, thermal, linear and nonlinear optical studies of novel organic NLO crystal: 4-fluoro 4-nitrostilbene (FONS). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 509-515.	2.0	15
2317	Synthesis, Structure, and Characterization of Two New Polar Sodium Tungsten Selenites: Na ₂ (WO ₃) ₃ (SeO ₃) ₃ ·2H ₂ O and Na ₆ (W ₆ O ₁₉)(SeO ₃) ₂ . <i>Inorganic Chemistry</i> , 2013, 52, 2637-2647.	1.9	44
2318	Molecular structural, non-linear optical, second order perturbation and Fukui studies of Indole-3-Aldehyde using density functional calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 106, 299-309.	2.0	27
2319	New Fluoride Carbonates: Centrosymmetric KPb ₂ (CO ₃) ₂ F and Noncentrosymmetric K _{2.70} Pb _{5.15} (CO ₃) ₅ F ₃ . <i>Inorganic Chemistry</i> , 2013, 52, 2466-2473.	1.9	59
2320	Single crystal growth and the electronic structure of orthorhombic Tl ₃ PbBr ₅ : A novel material for non-linear optics. <i>Optical Materials</i> , 2013, 35, 1081-1089.	1.7	42
2321	Synthesis, growth and characterization of 4-bromo-4- ² -nitrobenzylidene aniline (BNBA): a novel nonlinear optical material with a (3+1)-dimensional incommensurately modulated structure. <i>CrystEngComm</i> , 2013, 15, 2474.	1.3	17
2322	Synthesis of new Fe(II) and Ru(II) η -5-monocyclopentadienyl compounds showing significant second order NLO properties. <i>Journal of Organometallic Chemistry</i> , 2013, 736, 42-49.	0.8	4
2323	The IR temperature studies of phase transition of 4-aminopyridinium-hydrogen maleate-maleic acid: Isotopic effect and nonlinear optical properties. <i>Vibrational Spectroscopy</i> , 2013, 66, 93-103.	1.2	4
2324	Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation. <i>Crystal Growth and Design</i> , 2013, 13, 2135-2142.	1.4	17
2325	A combination of multiple chromophores enhances second-harmonic generation in a nonpolar noncentrosymmetric oxide: CdTeMoO ₆ . <i>Journal of Materials Chemistry C</i> , 2013, 1, 2906.	2.7	67
2326	Syntheses, crystal structures of a series of novel alkali metal or alkaline earth metal phosphites. <i>CrystEngComm</i> , 2013, 15, 2519.	1.3	20
2327	Cs ₄ Mo ₅ P ₂ O ₂₂ : a first Strandberg-type POM with 1D straight chains of polymerized [Mo ₅ P ₂ O ₂₃] ⁶⁺ units and moderate second harmonic generation response. <i>Chemical Communications</i> , 2013, 49, 306-308.	2.2	74
2328	From metal-organic framework (MOF) to MOF-polymer composite membrane: enhancement of low-humidity proton conductivity. <i>Chemical Science</i> , 2013, 4, 983-992.	3.7	329
2329	Cs ₇ Nd ₁₁ (SeO ₃) ₁₂ Cl ₁₆ : First Noncentrosymmetric Structure among Alkaline-Metal Lanthanide Selenite Halides. <i>Inorganic Chemistry</i> , 2013, 52, 3611-3619.	1.9	19
2330	An unprecedented 3-D SHG MOF material of silver(i) induced by chiral triple helices. <i>Chemical Communications</i> , 2013, 49, 2909.	2.2	27

#	ARTICLE	IF	CITATIONS
2331	Designing a Deep-Ultraviolet Nonlinear Optical Material with a Large Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2013, 135, 4215-4218.	6.6	542
2332	Spin and Dipole Ordering in Ni ₂ InSbO ₆ and Ni ₂ ScSbO ₆ with Corundum-Related Structure. <i>Chemistry of Materials</i> , 2013, 25, 935-945.	3.2	43
2333	Comparative studies of glycine added potassium dihydrogen phosphate single crystals grown by conventional and Sankaranaryananâ€“Ramasamy methods. <i>Optical Materials</i> , 2013, 35, 954-961.	1.7	32
2334	Synthesis, structural, optical, thermal and dielectric studies on new organic nonlinear optical crystal by solution growth technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 16-23.	2.0	18
2335	Tl(VO)2O2(IO3)3: a new polar material with a strong SHG response. <i>Dalton Transactions</i> , 2013, 42, 7051.	1.6	25
2336	Synthesis, structure, and characterization of a new promising nonlinear optical crystal: Cd5(BO3)3F. <i>CrystEngComm</i> , 2013, 15, 2422.	1.3	39
2337	Studies on growth, structural, optical and mechanical properties of xlenol orange dye admixed l-arginine phosphate single crystal. <i>Optik</i> , 2013, 124, 4058-4063.	1.4	17
2338	Growth and characterization of pure and semiorganic nonlinear optical Lithium Sulphate admixed l-alanine crystal. <i>Physica Scripta</i> , 2013, 87, 045801.	1.2	10
2339	Unidirectional growth of Methyl 2-amino-5-bromobenzoate crystal by Sankaranarayananâ€“Ramasamy method and its characterization. <i>Journal of Crystal Growth</i> , 2013, 372, 100-104.	0.7	19
2340	Synthesis, structure and spectroscopy of NLO crystalâ€“ ascorbic acid potassium nitrate crystal grown by aqueous solution method. <i>Journal of Optics (India)</i> , 2013, 42, 73-77.	0.8	0
2341	Growth and Characterization of Dichloro Tris(Triphenyl Phosphine Oxide)Cadmium(II) â€“Second Harmonic Generation from a Centrosymmetric Crystal. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2013, 01, 20-23.	0.1	0
2342	Studies on the growth, structural, thermal, mechanical and optical properties of the semiorganic nonlinear optical crystal l-glutamic acid hydrobromide. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 934-942.	1.9	9
2343	Optical, electrical and ac conductivity measurements of nonlinear optical Dimethylaminomethylphthalimide doped with cadmium chloride single crystal for nano applications. <i>Optics Communications</i> , 2013, 300, 12-16.	1.0	11
2344	Investigations on influence of coloration on growth of high quality hydrazonium l-tartrate single crystal. <i>Journal of Crystal Growth</i> , 2013, 374, 71-78.	0.7	9
2345	Nucleation kinetics, growth and studies of Î²-alanine single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 1-6.	2.0	20
2346	Nucleation kinetics, growth and characterization of guanidinium 3-nitrobenzoate single crystal. <i>Optik</i> , 2013, 124, 3534-3538.	1.4	11
2347	Large scale synthesis, second-harmonic generation, and piezoelectric properties of a noncentrosymmetric vanadium phosphate, Li2VPO6. <i>Journal of Solid State Chemistry</i> , 2013, 202, 22-26.	1.4	7
2348	Growth, spectroscopic and physicochemical properties of bis mercury ferric chloride tetra thiocyanate: A nonlinear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 108, 236-243.	2.0	14

#	ARTICLE	IF	CITATIONS
2349	Spectroscopic, quantum-chemical and X-ray diffraction studies of Piperidinium p-Hydroxybenzoate-combined experimental and theoretical studies on a novel NLO crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 175-184.	2.0	36
2350	Growth and characterization of KDP crystals doped with L-Glutamic acid. , 2013, , .		0
2351	Growth, structural and optical characterization of a new nonlinear optical crystal " hippuric acid doped potassium di hydrogen phosphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 178-181.	2.0	3
2352	Synthesis, growth, structural, spectral, thermal, chemical etching, linear and nonlinear optical and mechanical studies of an organic single crystal 4-chloro 4-nitrostilbene (CONS): A potential NLO material. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 123-130.	2.0	16
2353	Crystal growth and characterization of a new polymorph of bismuth trithiourea chloride. CrystEngComm, 2013, 15, 4176.	1.3	9
2354	Growth, structure and optical properties of a nonlinear optical crystal \pm -LaBMoO ₆ . CrystEngComm, 2013, 15, 5245.	1.3	14
2355	Bulk crystal growth and characterization of imidazolium l-tartrate (IMLT): a novel organic nonlinear optical material with a high laser-induced damage threshold. CrystEngComm, 2013, 15, 2157.	1.3	80
2356	New Bismuth Selenium Oxides: Syntheses, Structures, and Characterizations of Centrosymmetric Bi ₂ (SeO ₃) ₂ (SeO ₄) and Bi ₂ (TeO ₃) ₂ (SeO ₄) and Noncentrosymmetric Bi(SeO ₃)(HSeO ₃). Inorganic Chemistry, 2013, 52, 4097-4103.	1.9	48
2357	Nonlinear optical analyses of organic N-(9-Anthrylmethylidene) methylamine Schiff base. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 253-258.	2.0	6
2358	Growth, nonlinear optical, thermal, dielectric and laser damage threshold studies of semiorganic crystal: Monohydrate piperazine hydrogen phosphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 102, 379-385.	2.0	40
2359	K[AsW ₂ O ₉], the first member of the arsenate"tungsten bronze family: Synthesis, structure, spectroscopic and non-linear optical properties. Journal of Solid State Chemistry, 2013, 204, 59-63.	1.4	41
2360	Synthesis, growth and characterization of donor"acceptor π -conjugated N-chlorosuccinimide single crystals for nonlinear optical applications. Optik, 2013, 124, 1589-1594.	1.4	3
2361	Zn ₂ (VO ₄)(IO ₃): A Novel Polar Zinc(II) Vanadium(V) Iodate with a Large SHG Response. Inorganic Chemistry, 2013, 52, 5378-5384.	1.9	84
2362	Versatile frameworks constructed from divalent metals with 4,4"-methylenedibenzoic acid and imidazole derivative ligands: Syntheses, crystal structures and physical properties. Journal of Solid State Chemistry, 2013, 199, 305-316.	1.4	10
2363	Growth and structural, optical, and thermal studies of nonlinear optical brucinium hydrogen (S) malate pentahydrate. Journal of Applied Spectroscopy, 2013, 80, 176-183.	0.3	3
2364	FT-IR, FT-Raman spectra and DFT calculations of melaminium perchlorate monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 343-350.	2.0	24
2365	Growth and characterization of l-histidinium 2-nitrobenzoate single crystals: A new NLO material. Optik, 2013, 124, 3117-3119.	1.4	14
2366	Hg ₂ Br ₃ I: a new mixed halide nonlinear optical material in the infrared region. CrystEngComm, 2013, 15, 4196.	1.3	24

#	ARTICLE	IF	CITATIONS
2367	Growth and vibrational spectral investigation of nonlinear optical crystal L-Argininum Perchlorate-DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 173-178.	2.0	19
2368	Crystal growth and optical studies on a semi organic nonlinear optical material for laser blue-green generation. <i>Optik</i> , 2013, 124, 2204-2209.	1.4	8
2369	$\text{I}^2\text{-BaTeMo}_2\text{O}_9$ microcrystals as promising optically operated materials. <i>Journal of Materials Science</i> , 2013, 48, 5938-5945.	1.7	9
2370	Non-linear optical analyses of nitro aniline derived Schiff bases of 9-anthraldehyde. <i>Optical Materials</i> , 2013, 35, 440-443.	1.7	16
2371	Sum rules and scaling in nonlinear optics. <i>Physics Reports</i> , 2013, 529, 297-398.	10.3	56
2372	Synthesis, crystal growth and characterization of a new noncentrosymmetric borophosphate: $\text{RbPbBP}_2\text{O}_8$. <i>CrystEngComm</i> , 2013, 15, 4956.	1.3	35
2373	$\text{Cs}_2\text{Ge}_4\text{O}_9$: a New Second-Order Nonlinear-Optical Crystal. <i>Inorganic Chemistry</i> , 2013, 52, 5831-5837.	1.9	121
2374	New Metal Chalcogenides $\text{Ba}_4\text{CuGa}_5\text{Q}_{12}$ (Q = S, Se) Displaying Strong Infrared Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2013, 25, 2427-2433.	3.2	110
2375	Crystal Growth, Structure, Polarization, and Magnetic Properties of Cesium Vanadate, $\text{Cs}_2\text{V}_3\text{O}_8$: A Structure-Property Study. <i>Inorganic Chemistry</i> , 2013, 52, 6179-6186.	1.9	37
2376	Crystal growth, structural, thermal, optical and laser damage threshold studies of 8-hydroxyquinolinium hydrogen maleate single crystals. <i>Journal of Crystal Growth</i> , 2013, 375, 6-9.	0.7	41
2377	First Evidence of a Phase Transition in a High-Pressure Metal Iodate: Structural and Thermal Studies of AgIO_3 Polymorphs. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3526-3532.	1.0	11
2378	Synthesis and crystal structures of imidazolium salts for quadratic optical nonlinearities. <i>Dyes and Pigments</i> , 2013, 98, 384-392.	2.0	12
2379	Growth and characterization of semi-organic nonlinear optical crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 239-243.	2.0	7
2380	Growth, thermal, and optical properties of l-asparagine monohydrate NLO single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1153-1159.	2.0	31
2381	Enhanced optical, NLO, dielectric and thermal properties of novel sodium hydrogen phthalate single crystals doped with zinc. <i>Optical Materials</i> , 2013, 35, 479-486.	1.7	45
2382	Syntheses, Characterization, and Optical Properties of Ternary Ba-Sn-S System Compounds: Acentric $\text{Ba}_7\text{Sn}_5\text{S}_{15}$, Centric BaSn_2S_5 , and Centric $\text{Ba}_6\text{Sn}_7\text{S}_{20}$. <i>Inorganic Chemistry</i> , 2013, 52, 273-279.	1.9	56
2383	Unidirectional growth and characterization of <i>L</i> -tartaric acid single crystals. <i>Journal of Applied Crystallography</i> , 2013, 46, 993-998.	1.9	15
2384	Synthesis, Structural, Thermal and Photo-Physical Properties of Triazine Based NLO Material. <i>Journal of Fluorescence</i> , 2013, 23, 399-406.	1.3	6

#	ARTICLE	IF	CITATIONS
2385	Effect of L-Valine on the growth and characterization of Sodium Acid Phthalate (SAP) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 425-429.	2.0	10
2386	Spectroscopic, nonlinear optical and quantum chemical studies on Pyrrolidinium p-Hydroxybenzoate "A phase matchable organic NLO crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 284-292.	2.0	16
2387	Growth, photoluminescence, thermal and mechanical behaviour of Ethyltriphenylphosphonium bromide dihydrate crystal. <i>Optical Materials</i> , 2013, 35, 2056-2061.	1.7	14
2388	Growth, HR-XRD, optical, thermal, luminescence and nonlinear optical studies of novel organic nonlinear optical crystal: l-Threonine formate. <i>Optik</i> , 2013, 124, 3718-3722.	1.4	8
2389	Mg(ii)-induced second-harmonic generation based on bis-monodentate coordination mode of thiobarbiturate. <i>Dalton Transactions</i> , 2013, 42, 6489.	1.6	10
2390	Synthesis, growth and characterization of a nonlinear optical crystal: Bis l-proline hydrogen nitrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 537-543.	2.0	9
2391	Studies on the growth, structural, optical, SHG and thermal properties of l ³ -glycine single crystal: An organic nonlinear optical crystal. <i>Optik</i> , 2013, 124, 4452-4455.	1.4	18
2392	Linear and nonlinear optical properties of a new organic NLO l-asparaginium l-tartrate (AST) single crystal. <i>Optik</i> , 2013, 124, 3510-3513.	1.4	23
2393	Studies on the effect of nickel on growth, structural, optical, electrical, thermal and mechanical properties of l-valinium picrate. <i>Optik</i> , 2013, 124, 493-500.	1.4	8
2394	Effect of zinc chloride on the growth and characterization of L-proline cadmium chloride monohydrate semiorganic NLO single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 317-323.	2.0	10
2395	Investigation on the influence of foreign metal ions in crystal growth and characterization of l-Alaninium Maleate (LAM) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 778-782.	2.0	8
2396	Synthesis, growth and characterization of l-tyrosine hydrochloride a semi-organic nonlinear optical crystal. <i>Optik</i> , 2013, 124, 1125-1127.	1.4	13
2397	Habit modification of bis-thiourea zinc chloride (ZTC) semi organic crystals by impurities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 249-254.	2.0	16
2398	Growth, thermal and spectral properties of Nd ³⁺ :YCa ₉ (VO ₄) ₇ crystal. <i>Journal of Crystal Growth</i> , 2013, 372, 78-81.	0.7	16
2399	Synthesis and Chirality Control of Bulk Crystals and Nanocrystals: From a Right-Handed Nonpolar Chain to a Left-Handed Polar Chain. <i>Inorganic Chemistry</i> , 2013, 52, 3738-3743.	1.9	11
2400	Chiral Coordination Polymers with SHG-Active and Luminescence: An Unusual Homochiral 3D MOF Constructed from Achiral Components. <i>Crystal Growth and Design</i> , 2013, 13, 2650-2660.	1.4	157
2401	HgBrI: A promising nonlinear optical material in IR region. <i>Inorganic Chemistry Communication</i> , 2013, 34, 1-3.	1.8	16
2402	Coordination polymers of tetrazole-yl acylamide with octahedrally coordinated divalent transition metals: the effects of metal centers and side-groups on the structural topologies and symmetries. <i>CrystEngComm</i> , 2013, 15, 4830.	1.3	9

#	ARTICLE	IF	CITATIONS
2403	Cadmium(ii) and zinc(ii) complexes with rigid 1-(1H-imidazol-4-yl)-3-(4H-tetrazol-5-yl)benzene and varied carboxylate ligands. <i>CrystEngComm</i> , 2013, 15, 5713.	1.3	37
2404	New Alkali-Metal Gallium Selenites, $AGa(SeO_3)_2$ (A = Li, Na, K, and Cs): Effect of Cation Size on the Framework Structures and Macroscopic Centricities. <i>Inorganic Chemistry</i> , 2013, 52, 5176-5184.	1.9	65
2405	Influence of grain size, surface energy, and deviatoric stress on the pressure-induced phase transition of ZnO and AlN. <i>High Pressure Research</i> , 2013, 33, 642-651.	0.4	18
2406	Synthesis and ferroelectric properties of platinum(II) complexes with chiral isoxazoline ligand. <i>Polyhedron</i> , 2013, 60, 85-92.	1.0	7
2407	Studies on growth, spectral and mechanical properties of new organic NLO crystal: Guanidinium 4-nitrobenzoate (GuNB). <i>Journal of Crystal Growth</i> , 2013, 362, 304-307.	0.7	33
2408	Unidirectional growth, improved structural perfection and physical properties of a semi-organic nonlinear optical dichlorobis(L-proline)zinc(II) single crystal. <i>Journal of Crystal Growth</i> , 2013, 362, 220-226.	0.7	18
2409	Study on a multifunctional crystal LiMnBO ₃ . <i>Materials Research Bulletin</i> , 2013, 48, 277-280.	2.7	6
2410	Growth, characterization and structural investigation of a novel nonlinear optical crystal. <i>Journal of Molecular Structure</i> , 2013, 1031, 79-84.	1.8	46
2411	NLO crystals of bis[1-(diaminomethylene)thiourea-1-ium] tartarate(2 \hat{a}) hemihydrate and deuterated [1-(diaminomethylene)thiourea-1-ium] tartarate(\hat{a}). <i>Journal of Molecular Structure</i> , 2013, 1031, 14-21.	1.8	13
2412	Synthesis, structure and characterization of novel metal-organic single crystal: Dibromobis(L-proline)zinc(II). <i>Journal of Molecular Structure</i> , 2013, 1033, 121-126.	1.8	18
2413	Synthesis, structural, spectroscopic and optical studies of charge transfer complex salts. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 178-183.	2.0	17
2414	Growth and characterization of Melaminium bis (trichloroacetate) dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 112-118.	2.0	44
2415	A Non-Centrosymmetric Dual-Emissive Metal-Organic Framework with Distinct Nonlinear Optical and Tunable Photoluminescence Properties. <i>Crystal Growth and Design</i> , 2013, 13, 106-110.	1.4	75
2416	Functionalization Based on the Substitutional Flexibility: Strong Middle IR Nonlinear Optical Selenides $AX_4X_5Se_{12}$. <i>Journal of the American Chemical Society</i> , 2013, 135, 12914-12921.	6.6	183
2417	BaClBF ₄ : a new noncentrosymmetric pseudo-Aurivillius type material with transparency range from deep UV to middle IR and a high laser damage threshold. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4740.	2.7	36
2418	STUDIES ON THE GROWTH, SPECTRAL, OPTICAL AND THERMAL PROPERTIES OF 4-NITROANILINE PICRATE SINGLE CRYSTALS. <i>Modern Physics Letters B</i> , 2013, 27, 1350235.	1.0	2
2419	Synthesis and Selective Topochemical Fluorination of the Cation and Anion-Vacancy Ordered phases Ba_2YCo_5 and $Ba_3YCo_2O_{7.5}$. <i>Inorganic Chemistry</i> , 2013, 52, 13762-13769.	1.9	15
2420	Synthesis and Structure of $KPbBP_2O_8$ - A Congruent Melting Borophosphate with Nonlinear Optical Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3185-3190.	1.0	33

#	ARTICLE	IF	CITATIONS
2421	Growth and characterization of a novel nonlinear optical borate crystal “ Yttrium calcium borate (YCB). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 391-394.	2.0	6
2422	Growth, spectroscopy properties and DFT based PCM calculations of guanidinium chlorochromate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 255-261.	2.0	13
2423	Synthesis, crystal growth, structural, spectral, thermal, mechanical, linear and nonlinear optical studies of organic single crystal 4-Iodo 4-nitrostilbene (IONS): A potential NLO material. <i>Materials Chemistry and Physics</i> , 2013, 143, 263-270.	2.0	8
2424	Pb ₂ TiOF(SeO ₃) ₂ Cl and Pb ₂ NbO ₂ (SeO ₃) ₂ Cl: small changes in structure induced a very large SHG enhancement. <i>Chemical Communications</i> , 2013, 49, 9965.	2.2	105
2425	A new mixed metal borate of BaPb[B ₅ O ₉ (OH)]·H ₂ O with acentric structure. <i>Inorganic Chemistry Communication</i> , 2013, 37, 77-79.	1.8	16
2426	Linear and nonlinear optical studies on 3,6-bis (2 pyridyl) pyridazine. <i>Optik</i> , 2013, 124, 5968-5971.	1.4	5
2427	Large Mid-IR Second-Order Nonlinear-Optical Effects Designed by the Supramolecular Assembly of Different Bond Types without IR Absorption. <i>Inorganic Chemistry</i> , 2013, 52, 8865-8871.	1.9	29
2428	Explorations of a Series of Second Order Nonlinear Optical Materials Based on Monovalent Metal Gold(III) Iodates. <i>Inorganic Chemistry</i> , 2013, 52, 11551-11562.	1.9	32
2429	New Salt-Inclusion Borate, Li ₃ Ca ₉ (BO ₃) ₇ ·2[LiF]: A Promising UV NLO Material with the Coplanar and High Density BO ₃ Triangles. <i>Inorganic Chemistry</i> , 2013, 52, 5359-5365.	1.9	48
2430	2-Methoxyanilinium trichloridostannate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m187-m188.	0.2	5
2431	High-Temperature, High-Pressure Hydrothermal Synthesis, Crystal Structures, and Spectroscopic Studies of a Uranium(IV) Phosphate (Na ₁₀ U ₂ P ₆ O ₂₄) and the Isotypic Cerium(IV) Phosphate (Na ₁₀ Ce ₂ P ₆ O ₂₄). <i>Inorganic Chemistry</i> , 2013, 52, 13639-13643.	1.9	21
2432	K ₄ CeP ₄ Se ₁₂ : a case for phase-change nonlinear optical chalcogenide. <i>Optics Letters</i> , 2013, 38, 1316.	1.7	23
2433	Impact of two-photon absorption on second-harmonic generation in CdTe as probed by wavelength-dependent Z-scan nonlinear spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2292.	0.9	25
2434	Chemical Etching, AFM, Laser Damage Threshold, and Nonlinear Optical Studies of Potential Nonlinear Optical Crystal: Bis (L-Glutamine) Potassium Nitrate. <i>Journal of Chemistry</i> , 2013, 2013, 1-4.	0.9	4
2435	Synthesis, growth, structure and characterization of the new laser host crystal Sr ₃ Y ₂ (BO ₃) ₄ . <i>Laser Physics Letters</i> , 2013, 10, 075806.	0.6	10
2436	Synthesis, Spectroscopic Characterization, and Biological Activities of Metal Complexes of 4-((4-Chlorophenyl)diazenyl)-2-((p-tolylimino)methyl)phenol. <i>Journal of Chemistry</i> , 2013, 2013, 1-12.	0.9	1
2437	Studies on Synthesis and Spectral Characterization of Some Transition Metal Complexes of Azo-Azomethine Derivative of Diaminomaleonitrile. <i>International Journal of Inorganic Chemistry</i> , 2013, 2013, 1-10.	0.6	22
2439	SYNTHESIS, GROWTH AND CHARACTERIZATION OF L-VALINE ZINC HYDROCHLORIDE “ A NOVEL SEMI-ORGANIC NONLINEAR OPTICAL SINGLE CRYSTAL. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2013, 22, 1350016.	1.1	13

#	ARTICLE	IF	CITATIONS
2440	Crystal Structure Optimization, Hyperpolarizabilities and Non-Linear Optical Property of N-[2,4,5-Trichlorophenyl] Acetamide. <i>Solid State Phenomena</i> , 2013, 209, 125-128.	0.3	0
2442	Broadband studies of the strong mid-infrared nonlinear optical responses of KPSe ₆ . <i>Optical Materials Express</i> , 2013, 3, 1302.	1.6	25
2443	Simultaneous Presence of Both Open Metal Sites and Free Functional Organic Sites in a Noncentrosymmetric Dynamic Metal-Organic Framework with Bimodal Catalytic and Sensing Activities. <i>Chemistry - A European Journal</i> , 2013, 19, 16607-16614.	1.7	48
2444	Synthesis, characterization and anti-microbial activity of pure, Cu ²⁺ and Cd ²⁺ doped organic NLO l-arginine trifluoroacetate single crystals. <i>Physica Scripta</i> , 2013, 88, 045403.	1.2	9
2445	SECOND HARMONIC GENERATION, THERMAL AND OPTICAL STUDY OF POTASSIUM IODIDE DOPED L-THREONINE SINGLE CRYSTAL. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2013, 22, 1350031.	1.1	2
2447	Theory of Molecular Nonlinear Optics. <i>Advances in Optics and Photonics</i> , 2013, 5, 4.	12.1	40
2448	A Study on Structural, Optical, Mechanical and Ferroelectric Properties of Tri-Glycine Barium Nitrate Single Crystals. <i>Ferroelectrics, Letters Section</i> , 2013, 40, 1-10.	0.4	7
2449	SYNTHESIS, CRYSTAL GROWTH AND CHARACTERIZATION OF BIS DL-VALINE PICRATE SINGLE CRYSTAL FOR SECOND-ORDER NONLINEAR OPTICAL APPLICATIONS. <i>Journal of Molecular and Engineering Materials</i> , 2013, 01, 1350004.	0.9	0
2450	Second harmonic generation: applications in phase diagram investigations. <i>MATEC Web of Conferences</i> , 2013, 3, 01011.	0.1	1
2452	Cs ₂ B ₄ SiO ₉ : A Deep-Ultraviolet Nonlinear Optical Crystal. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3406-3410.	7.2	249
2453	Synthesis and characterization of calcium iodate, monohydrate crystals grown in silica gel. <i>Journal of Physics: Conference Series</i> , 2013, 423, 012060.	0.3	5
2454	Linear and nonlinear properties of L-histidinium dinitrate. , 2013, , .		0
2455	Structural, mechanical, optical and second harmonic generation (SHG) studies of gamma glycine single crystal. <i>International Journal of Physical Sciences</i> , 2013, 8, 6-11.	0.1	7
2456	Temperature-resolved second harmonic generation: a tool designed to study solid-solid transition. <i>MATEC Web of Conferences</i> , 2013, 3, 01019.	0.1	0
2457	Studies on Structural, Spectral, and Optical Properties of Organic Nonlinear Optical Single Crystal: 2-Amino-4,6-dimethylpyrimidinium p-Hydroxybenzoate. <i>Journal of Materials</i> , 2013, 2013, 1-7.	0.1	21
2458	Physicochemical Studies on Thienyl Chalcone Derivative for Nonlinear Optical Application. <i>Indian Journal of Materials Science</i> , 2013, 2013, 1-5.	0.6	3
2459	Effect of Metal Dopant on Ninhydrin-Organic Nonlinear Optical Single Crystals. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-5.	0.6	5
2460	Synthesis, Growth, and Characterization of Bisglycine Hydrobromide Single Crystal. <i>Journal of Materials</i> , 2014, 2014, 1-7.	0.1	10

#	ARTICLE	IF	CITATIONS
2461	Investigation on Growth, Structural, Spectral, Optical, and Mechanical Properties of an Organic Nonlinear Optical Material: Morpholinium Hydrogen Tartrate. <i>Advances in Condensed Matter Physics</i> , 2014, 2014, 1-5.	0.4	5
2462	Structural, Linear, and Nonlinear Optical and Mechanical Properties of New Organic L-Serine Crystal. <i>Journal of Materials</i> , 2014, 2014, 1-5.	0.1	7
2463	Investigation on structural, spectral, and thermal properties of l-histidinium glutarate monohydrate (LHG). <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 118, 333-338.	2.0	17
2465	Topological analysis of the three-dimensional coordination polymer poly[(1/4 4-azido)[1/4 4-5-(pyridin-4-yl)tetrazolido]disilver(I)]. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 823-827.	0.2	1
2466	Comparison of the acentric properties for the oxide crystals. , 2014, , .		1
2467	The History of Development of Nonlinear Optical Borate Crystals. <i>Series on Archaeology and History of Science in China</i> , 2014, , 139-166.	0.1	0
2468	Growth, structural and optical characterization of L-histidine 4-nitrophenolate (LHPNP) single crystals for NLO applications. , 2014, , .		0
2469	Determination of Nonlinear Optical Coefficients from Micropowders in the Presence of Scattering: A revision of the Kurtz-Perry Method. , 2014, , .		0
2470	Highly efficient infrared optical nonlinearity of a wide-bandgap chalcogenide Li ₂ CdGeS ₄ . <i>Optics Letters</i> , 2014, 39, 4579.	1.7	21
2471	Investigations on critical parameters, growth, structural and spectral studies of beta-alaninium picrate (BAP) single crystals. <i>Physica Scripta</i> , 2014, 89, 125805.	1.2	1
2472	Second-harmonic generation in dry powders: A simple experimental method to determine nonlinear efficiencies under strong light scattering. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	33
2473	Ag _{1.75} InSb _{5.75} Se ₁₁ : A new noncentrosymmetric compound with congruent-melting behavior. <i>Journal of Solid State Chemistry</i> , 2014, 218, 196-201.	1.4	3
2474	Synthesis, Spectral Studies, NLO, and Biological Studies on Metal(II) Complexes of s-Triazine-Based Ligand. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014, 44, 1487-1496.	0.6	9
2475	Synthesis-spectroscopic, optical and thermal properties of l-alanine ammonium chloride " A semiorganic crystal. <i>Optik</i> , 2014, 125, 6826-6828.	1.4	3
2476	Influence of the cation size on the second harmonic generation response of chiral A(VO ₂) ₂ (PO ₄) ₂ ·3H ₂ O (A = K ⁺ , NH ₄ ⁺ and Rb ⁺). <i>CrystEngComm</i> , 2014, 16, 10902-10906.	1.3	2
2477	A 3D Aluminoborate Open Framework Interpenetrated by 2D Zinc"Amine Coordination"Polymer Networks in Its 11"Ring Channels. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7188-7191.	7.2	110
2478	Transparent amorphous zinc oxide thin films for NLO applications. <i>Optical Materials</i> , 2014, 37, 327-337.	1.7	67
2479	Growth and characterization of bis(thiourea) zinc carbonate (BTZC) a new nonlinear optical material by solution growth slow evaporation technique. <i>Optik</i> , 2014, 125, 7113-7115.	1.4	4

#	ARTICLE	IF	CITATIONS
2480	Second- and third-order nonlinear optical properties of bis-chalcone derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 290, 38-42.	2.0	56
2481	Preparation, Structure, and Second-Order Nonlinear Optical Properties of a Borate-Carboxylic Acid Compound: $NH_4[B_4O_5(OH)_2] \cdot 2H_2O$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> . 2014. 640. 140-146.	0.6	0
2483	Homochiral Layered Coordination Polymers from Chiral <i>N</i> -Carbamylglutamate and Achiral Flexible Bis(pyridine) Ligands: Syntheses, Crystal Structures, and Properties. <i>Crystal Growth and Design</i> , 2014, 14, 6230-6238.	1.4	34
2484	Growth, structural, optical, thermal and dielectric properties of a novel semi-organic nonlinear optical crystal: Dichloro-diglycine zinc II. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 378-387.	1.8	45
2485	Synthesis and characterization of $Cd_4YbO(BO_3)_3$ a congruent melting cadmium-ytterbium oxyborate with large nonlinear optical properties. <i>New Journal of Chemistry</i> , 2014, 38, 6186-6192.	1.4	11
2486	Tunable Nonlinear Optical Property and Photocatalytic Activity on Luminescent Chiral Lanthanide Chains. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1259-1266.	2.6	3
2487	Optical, Dielectric and SHG measurement of semiorganic NLO single crystals: Triglycine Sodium halides. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 20.	0.1	0
2488	Poly[(1/4 5-3-carboxybenzene-1,2-dicarboxylato)lead(II)]: a helical lead(II) coordination polymer. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 693-696.	0.2	1
2489	Structural, vibrational and theoretical studies of anilinium trichloroacetate: New hydrogen bonded molecular crystal with nonlinear optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 82-93.	2.0	29
2490	Spectroscopic (FT-IR, FT-Raman), first order hyperpolarizability, NBO analysis, HOMO and LUMO analysis of 2,4-bis(2-methoxyphenyl)-1-phenylanthracene-9,10-dione by ab initio HF and density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 413-421.	2.0	51
2491	Enhancement of second harmonic generation efficiency: Growth and characterization of magnesium(II)-doped tetrakis(thiourea)nickel(II) chloride crystals. <i>Optik</i> , 2014, 125, 50-54.	1.4	2
2492	Growth, spectral, thermal and dielectric studies on a new semiorganic NLO material: Di-N-methylanilinium tetrachlorocadmiate(II). <i>Optik</i> , 2014, 125, 238-242.	1.4	2
2493	Nucleation kinetics, growth and hardness parameters of l-alanine alaninium picrate (LAAP) single crystals. <i>Optik</i> , 2014, 125, 2531-2537.	1.4	21
2494	Synthesis, spectral, thermal, optical and theoretical studies of (2E,6E)-2-benzylidene-6-(4-methoxybenzylidene)cyclohexanone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 72-76.	2.0	11
2495	Synthesis, experimental and theoretical Studies of 8-hydroxyquinolinium 3,5-dinitrobenzoate single crystal. <i>Journal of Crystal Growth</i> , 2014, 398, 45-57.	0.7	50
2496	Detection of order-disorder transition in organic solids by using temperature resolved second harmonic generation (TR-SHG). <i>Journal of Molecular Structure</i> , 2014, 1078, 61-67.	1.8	9
2497	Growth and characterization of $NixZn_{1-x}SO_4 \cdot 7H_2O$ single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 342-350.	2.0	6
2498	Red fluorescence in $LaF_3: Nd^{3+}, Sm^{3+}$ nanocrystals grown by rapid microwave assisted synthesis: A comparative analysis of vibrational, thermal and electrical properties. <i>Journal of Crystal Growth</i> , 2014, 401, 453-457.	0.7	4

#	ARTICLE	IF	CITATIONS
2499	Modification of structural, optical, thermal and mechanical properties of KDP crystals on the addition of Ni ²⁺ . <i>Optik</i> , 2014, 125, 2620-2624.	1.4	2
2500	A new solvothermal route to crystalline proustite Ag ₃ AsS ₃ with photocatalytic properties. <i>Inorganic Chemistry Communication</i> , 2014, 46, 17-20.	1.8	11
2501	Influence of transition metal doping on tris(thiourea)zinc(II) sulphate crystals. <i>Optik</i> , 2014, 125, 710-713.	1.4	8
2502	Growth and optical, thermal, mechanical and surface morphology studies of semiorganic nonlinear optical material: Dichlorobis (l-proline) zinc (II) crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 405-414.	2.0	9
2503	Impact of annealing process on stacking orientations and second order nonlinear optical properties of metallophthalocyanine thin films and nanostructures. <i>Dyes and Pigments</i> , 2014, 101, 212-220.	2.0	60
2504	Syntheses, characterization and nonlinear optical properties of Bismuth subcarbonate Bi ₂ O ₂ CO ₃ . <i>Solid State Sciences</i> , 2014, 30, 1-5.	1.5	48
2505	Optical, spectral and thermal properties of organic nonlinear optical single crystal: 2,3-Dimethoxy-10-oxostyrylnidinium hydrogen oxalate dihydrate. <i>Optik</i> , 2014, 125, 3852-3859.	1.4	18
2506	Studies on growth and characterization of a novel nonlinear optical and ferroelectric material "N,N-dimethylurea picrate single crystal. <i>Journal of Crystal Growth</i> , 2014, 393, 7-12.	0.7	21
2507	Experimental and theoretical debate on efficient second harmonic generation in Bis (Cinnamic acid): Hexamine cocrystal. <i>Chemical Physics Letters</i> , 2014, 594, 74-79.	1.2	4
2508	Growth and characterization of pure and doped KHP NLO single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 248-255.	2.0	21
2509	Study on nonlinear optical properties of 2,4,5-trimethoxy-4'-bromochalcone single crystal. <i>Optics and Laser Technology</i> , 2014, 55, 37-41.	2.2	28
2510	Studies on the growth, spectral, optical, and thermal aspects of a NLO crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 339-343.	2.0	6
2511	Growth and characterization of semiorganic crystal potassium hydrogen oxalate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 355-359.	2.0	8
2512	Synthesis growth and optical properties of semi organic non linear optical single crystal. <i>Optical and Quantum Electronics</i> , 2014, 46, 111-116.	1.5	3
2513	Metal Chalcogenides: A Rich Source of Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2014, 26, 849-869.	3.2	569
2514	Structure and spectral properties of l-histidinium dipicrate dihydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 102-111.	2.0	17
2515	Generation of 532 nm laser radiation and phase matching properties of organic nonlinear optical material. <i>Optik</i> , 2014, 125, 164-169.	1.4	31
2516	Studies on the characterisation of l-proline thiourea monohydrate nonlinear optical single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 963-968.	2.0	10

#	ARTICLE	IF	CITATIONS
2517	Second harmonic generation by micropowders: a revision of the Kurtzâ€Perry method and its practical application. <i>Applied Physics B: Lasers and Optics</i> , 2014, 116, 211-233.	1.1	30
2518	Structural and spectral characterization of novel non-centrosymmetric 2,4-dinitrobenzene derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 793-797.	2.0	9
2519	The role of dipole moment in determining the nonlinear optical behavior of materials: ab initio studies on quaternary molybdenum tellurite crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 530-537.	2.7	81
2520	Growth and characterization of organic nonlinear optical crystal: l-Valinium salicylate (LVS). <i>Optik</i> , 2014, 125, 2713-2715.	1.4	5
2521	Nonlinear optoelectronic materials formed by pushâ€pull (bi)thiophene derivatives functionalized with di(tri)cyanovinyl acceptor groups. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1745-1750.	1.1	31
2522	Growth and characterization of an efficient nonlinear optical single crystal: Urea p-nitrophenol. <i>Optik</i> , 2014, 125, 2978-2982.	1.4	10
2523	Growth and characterization of metal ions doped l-serine NLO single crystals for optoelectronic applications. <i>Optik</i> , 2014, 125, 2051-2056.	1.4	5
2525	Growth structural, spectral, optical and mechanical studies of gamma bis glycinium oxalate (GBGOx) new NLO single crystal by SEST method. <i>Optik</i> , 2014, 125, 1825-1828.	1.4	8
2526	Growth, structure and optical properties of an efficient NLO crystal-aqua maleatocopper(II). <i>Optik</i> , 2014, 125, 191-195.	1.4	7
2527	Growth and physical properties of an organic crystal for NLO applications: Guanidinium phenyl arsonate (GPA). <i>Optik</i> , 2014, 125, 141-145.	1.4	18
2528	Pb3B6O11F2: the first non-centrosymmetric lead borate fluoride with a large second harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1704.	2.7	55
2529	Review: Second order nonlinearities of Schiff bases derived from salicylaldehyde and their metal complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1-16.	0.8	64
2530	A proton-conducting lanthanide metalâ€organic framework integrated with a dielectric anomaly and second-order nonlinear optical effect. <i>Chemical Communications</i> , 2014, 50, 6513-6516.	2.2	52
2531	Synthesis, crystal growth and physical characterizations of organic nonlinear optical crystal: Ammonium hydrogen l-malate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 7-13.	2.0	6
2532	Crystal growth, spectral, structural and optical studies of Î€-conjugated stilbazolium crystal: 4-Bromobenzaldehyde-4â€2-Nâ€2-methylstilbazolium tosylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 79-89.	2.0	27
2533	Investigations on the growth aspects and characterization of semiorganic nonlinear optical single crystals of l-histidine and its hydrochloride derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 508-513.	2.0	15
2534	A novel l-arginine salt nonlinear optical crystal: l-arginine p-nitrobenzoate monohydrate (LANB). <i>Journal of Molecular Structure</i> , 2014, 1058, 155-162.	1.8	23
2535	Bulk growth of ninhydrin single crystals by solvent evaporation method and its characterization for SHG and THG applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 309-314.	2.0	22

#	ARTICLE	IF	CITATIONS
2536	Synthesis, spectral, SHG efficiency and computational studies of some newly synthesized unsymmetrical azines of 4-biphenylcarboxaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 491-498.	2.0	11
2537	Growth, structural, mechanical, thermal and dielectric characterization of Triglycine sulpho-picrate (Tgspi) single crystals. <i>Optik</i> , 2014, 125, 1493-1497.	1.4	13
2538	Unidirectional growth, optical, mechanical and dielectric studies on a novel NLO crystal: l-Arginine 4-nitrophenolate 4-nitrophenol dihydrate. <i>Optik</i> , 2014, 125, 3534-3539.	1.4	8
2539	Unidirectional growth of l-alanine single crystal: NLO material from the amino acid family. <i>Optik</i> , 2014, 125, 2505-2508.	1.4	11
2540	Synthesis, crystal growth, spectral, optical, thermal and dielectric studies of dichloro(4-hydroxy-l-proline)cadmium(II) single crystals. <i>Optik</i> , 2014, 125, 1390-1395.	1.4	24
2541	Non linear optical analyses of hexamine: Phenol cocrystals based on hydrogen bonding: A comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 14-18.	2.0	12
2542	Growth and characterization of an organic single crystal: 2-[2-(4-Diethylamino-phenyl)-vinyl]-1-methyl-pyridinium iodide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 335-344.	2.0	17
2543	DFT and TD-DFT approach for the analysis of NLO and OLED applications of 9-anthraldehyde. <i>Optik</i> , 2014, 125, 2429-2432.	1.4	21
2544	Solid state parameters, structure elucidation, High Resolution X-Ray Diffraction (HRXRD), phase matching, thermal and impedance analysis on l-Proline trichloroacetate (l-PTCA) NLO single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 726-732.	2.0	7
2545	New alkaline earth metal-based coordination polymers with zeolitic ABW, ACO, and chiral (10,3)-a topologies. <i>Inorganic Chemistry Communication</i> , 2014, 44, 155-158.	1.8	13
2546	Synthesis, growth, crystal structure and characterization of a new organic NLO crystal: l-Lysine 4-nitrophenolate monohydrate (LLPNP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 416-422.	2.0	14
2547	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral <i>Carborane</i> -Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 1081-1090.	1.7	25
2548	Bulk crystal growth, thermal and optical characterization of Piperazinium l-tartrate single crystals. <i>Materials Letters</i> , 2014, 129, 202-204.	1.3	17
2549	Physical and optical study of potassium-doped meta-Nitroaniline crystal (mNAK). <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450012.	1.1	3
2550	A Nitrate Nonlinear Optical Crystal $Pb_{16}(OH)_{16}(NO_3)_3$ with a Large Second-Harmonic Generation Response. <i>Inorganic Chemistry</i> , 2014, 53, 3320-3325.	1.9	55
2551	Search for molecular crystals with NLO properties: 5-Sulfosalicylic acid with nicotinamide and isonicotinamide. <i>Journal of Molecular Structure</i> , 2014, 1068, 77-83.	1.8	9
2552	Crystal growth and characterization of an organic nonlinear optical single crystal: 2,3-Dimethyl-N-[4-(Nitro) benzylidene] aniline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 324-328.	2.0	6
2553	Synthesis, crystal growth and characterization of organic NLO material: 4-Bromo-4-hydroxybenzylidene aniline. <i>Optik</i> , 2014, 125, 2017-2021.	1.4	23

#	ARTICLE	IF	CITATIONS
2554	Optical, structural, thermal and dielectric spectroscopy characterizations of seeded melt grown 2-hydroxy biphenyl single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 263-269.	2.0	10
2555	Effect of ultrasonication on particle size and magnetic properties of polyaniline NiCoFe ₂ O ₄ nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 366, 55-63.	1.0	35
2556	Structural, spectroscopic, and nonlinear optical investigations on a novel nonlinear optical crystal: Hippuric acid doped ammonium di hydrogen phosphate (HAADP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 346-349.	2.0	1
2557	Nonlinear optical second harmonic generation in ZnS quantum dots and observation on optical properties of ZnS/PMMA nanocomposites. <i>Optics Communications</i> , 2014, 313, 231-237.	1.0	40
2558	L-alaninium perhenate: crystal structure and non-linear optical properties. <i>Open Chemistry</i> , 2014, 12, 1016-1022.	1.0	2
2559	Synthesis, optical, thermal and second harmonic generation studies of pure, urea and thiourea doped organic l-tartaric acid-nicotinamide (LTN) crystals. <i>Optik</i> , 2014, 125, 732-736.	1.4	8
2560	Sol-gel synthesis and characterization of pure and manganese doped TiO ₂ nanoparticles A new NLO active material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 548-557.	2.0	31
2561	Polar Alignment of β -Shaped Basic Building Units within Transition Metal Oxide Fluoride Materials. <i>Inorganic Chemistry</i> , 2014, 53, 221-228.	1.9	14
2562	Deep-Ultraviolet Nonlinear Optical Crystals: Ba ₃ P ₃ O ₁₀ X (X = Cl, F) Tj ETQq0 0.0 rgBT /Overlock 1086	0.6	386
2563	A Donor-Acceptor Donor Structured Organic Conductor with S \cdot S Chalcogen Bonding. <i>Crystal Growth and Design</i> , 2014, 14, 459-466.	1.4	60
2564	Four chiral Ag(I) complexes with dual chiral components: Effect of positional isomerism, luminescence and SHG response. <i>Inorganic Chemistry Communication</i> , 2014, 40, 97-102.	1.8	10
2565	Noncentrosymmetric YVSe ₂ O ₈ and Centrosymmetric YVTe ₂ O ₈ : Macroscopic Centricities Influenced by the Size of Lone Pair Cation Linkers. <i>Inorganic Chemistry</i> , 2014, 53, 1250-1256.	1.9	57
2566	Explorations of New Second-Order Nonlinear Optical Materials in the Ternary Rubidium Iodate System: Noncentrosymmetric β -RbIO ₃ (HIO ₃) ₂ and Centrosymmetric Rb ₃ (IO ₃) ₃ (I ₂ O ₅)(HIO ₃) ₄ (H ₂ O) ₅ . <i>Inorganic Chemistry</i> , 2014, 53, 1756-1763.	1.9	56
2567	Synthesis, structure and properties of a new noncentrosymmetric aluminoborate. <i>Inorganic Chemistry Communication</i> , 2014, 40, 168-171.	1.8	9
2568	Synthesis and crystal structures of a series of Schiff bases: a photo-, solvato- and acidochromic compound. <i>New Journal of Chemistry</i> , 2014, 38, 730-738.	1.4	32
2569	Synthesis, crystal growth, structural, spectral, optical, thermal and dielectric studies of a new nonlinear optical material: 4-Hydroxy-l-proline-l-tartaric acid (1:1). <i>Solid State Sciences</i> , 2014, 28, 95-102.	1.5	20
2570	Growth and characterization of β -glycine single crystals from cadmium chloride for optoelectronic applications. <i>Optik</i> , 2014, 125, 816-819.	1.4	17
2571	Four MOFs with 2,2-dimethoxy-4,4-biphenyldicarboxylic acid: syntheses, structures, topologies and properties. <i>CrystEngComm</i> , 2014, 16, 784-796.	1.3	55

#	ARTICLE	IF	CITATIONS
2572	Anion-controlled self-assembly of two NLO-active dinuclear and molecular square Cu(<i>ii</i>) enantiomeric pairs: from antiferromagnetic to ferromagnetic coupling. Dalton Transactions, 2014, 43, 17226-17229.	1.6	11
2573	Growth and properties of a noncentrosymmetric polyphosphate CsLa(PO ₃) ₄ crystal with deep-ultraviolet transparency. CrystEngComm, 2014, 16, 10497-10504.	1.3	87
2574	Lanthanum Lead Oxide Hydroxide Nitrates with a Nonlinear Optical Effect. Inorganic Chemistry, 2014, 53, 12584-12589.	1.9	28
2575	Synthesis and spectral studies on metal complexes of s-triazine based ligand and non linear optical properties. Journal of Molecular Structure, 2014, 1076, 606-613.	1.8	16
2576	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. Journal of Applied Physics, 2014, 115, .	1.1	25
2577	Spontaneous Resolution of Racemic Salen-Type Ligand in the Construction of 3D Homochiral Lanthanide Frameworks. Crystal Growth and Design, 2014, 14, 5356-5360.	1.4	29
2578	Growth, linear and nonlinear optical properties of a DSSS crystal. CrystEngComm, 2014, 16, 6889-6895.	1.3	17
2579	Ba ₄ (BO ₃) ₃ (SiO ₄)·Ba ₃ X (X = Cl, Br): new salt-inclusion borosilicate halides as potential deep UV nonlinear optical materials. Journal of Materials Chemistry C, 2014, 2, 4257.	2.7	49
2580	Characterization and strong piezoelectric response of an organometallic nonlinear optical crystal: CdHg(SCN) ₄ (C ₂ H ₆ SO) ₂ . Journal of Materials Chemistry C, 2014, 2, 723-730.	2.7	10
2581	A novel 3D 10-fold interpenetrated homochiral coordination polymer: large spontaneous polarization, dielectric loss and emission studies. CrystEngComm, 2014, 16, 4766.	1.3	18
2582	̂ ² -BaGa[B ₄ O ₈ (OH)](H ₂ O) and Ba ₄ Ga[B ₁₀ O ₁₈ (OH) ₅](H ₂ O): new barium galloborates featuring unusual [B ₄ O ₈ (OH)] ⁵⁺ and [B ₁₀ O ₁₈ (OH) ₅] ¹¹⁺ clusters. RSC Advances, 2014, 4, 45258-45265.	1.7	21
2583	Strong enhancement of second harmonic generation in nonlinear optical crystals: 2-amino-3-nitropyridinium halides (Cl, Br, I). Journal of Materials Chemistry C, 2014, 2, 8723-8728.	2.7	17
2584	Optical properties of Nd ³⁺ and Yb ³⁺ -doped AgM(IO ₃) ₄ metal iodates: transparent host matrices for mid-IR lasers and nonlinear materials. Journal of Materials Chemistry C, 2014, 2, 2715-2723.	2.7	35
2585	Studies on the optical, thermal and mechanical properties of nonlinear optical material “ Di-leucine hydrochloride. Materials Chemistry and Physics, 2014, 148, 457-462.	2.0	1
2586	Molecular crystals of 2-amino-1,3,4-thiadiazole with inorganic oxyacids “ crystal engineering, phase transformations and NLO properties. CrystEngComm, 2014, 16, 1763.	1.3	12
2587	Synthesis and crystal growth of thienyl-substituted pyridinium derivatives for second-order nonlinear optics. CrystEngComm, 2014, 16, 636-641.	1.3	15
2588	Synthesis, characterization and nonlinear optical properties of symmetrically substituted dibenzylideneacetone derivatives. Chemical Physics Letters, 2014, 616-617, 142-147.	1.2	31
2589	Temperature-induced one-dimensional chiral Ag(i) linear chains and left-handed 21 helices: DFT studies, luminescence and SHG response. CrystEngComm, 2014, 16, 10056-10065.	1.3	9

#	ARTICLE	IF	CITATIONS
2590	Two new bismuth thiourea bromides: crystal structure, growth, and characterization. Dalton Transactions, 2014, 43, 2577-2580.	1.6	15
2591	Sr ₄ B ₁₀ O ₁₈ (OH) ₂ ·2H ₂ O: a new UV nonlinear optical material with a [B ₁₀ O ₂₃] ¹⁶⁻ building block. Journal of Materials Chemistry C, 2014, 2, 667-674.	2.7	52
2592	Growth, structural, thermal, optical, dielectric, mechanical and laser damage threshold studies of nicotinium tartrate single crystals. Optik, 2014, 125, 5695-5700.	1.4	6
2593	Crystal Growth, Structure, and Polymorphic Behavior of an Ionic Liquid: Phthalate Derivative of <i>n</i> -Butyl, <i>n</i> -methylimidazolium Hexafluorophosphate. Chemistry of Materials, 2014, 26, 4151-4162.	3.2	10
2594	Syntheses of Zn or Cd complexes from dicarboxylate ligand exhibiting an axial chirality and auxiliary ligand. Inorganica Chimica Acta, 2014, 423, 79-86.	1.2	4
2595	Second harmonic generation in langasite crystal. , 2014, , .		0
2596	Effect of Co ²⁺ on the growth, optical properties and laser damage threshold of potential nonlinear optical L-alanine single crystal. Optik, 2014, 125, 5069-5074.	1.4	14
2597	Pb ₄ V ₆ O ₁₆ (SeO ₃) ₃ (H ₂ O), Pb ₂ VO ₂ (SeO ₃) ₂ Cl, and PbVO ₂ (SeO ₃) ₂ F: New Lead(II) Vanadium(V) Mixed-Metal Selenites Featuring Novel Anionic Skeletons. Inorganic Chemistry, 2014, 53, 8816-8824.	1.9	58
2598	Role of Acentric Displacements on the Crystal Structure and Second-Harmonic Generating Properties of RbPbCO ₃ F and CsPbCO ₃ F. Inorganic Chemistry, 2014, 53, 6241-6251.	1.9	85
2599	Growth, thermal and optical properties of cis-2,6-diphenyl-3-isopropylpiperidin-4-one – A new class of organic NLO material. Optik, 2014, 125, 5550-5553.	1.4	5
2600	Metal-directed assembly of coordination polymers with the versatile ligand 2-(1H-benzotriazol-1-yl) acetic acid: from discrete structures to two-dimensional networks. CrystEngComm, 2014, 16, 2660.	1.3	44
2601	Crystal growth, structural and optical properties of an organic ion-complex crystal: 4-N,N-dimethylamino-4'-N ² -methylstilbazolium iodide. Optik, 2014, 125, 5641-5646.	1.4	14
2602	A promising new nonlinear optical crystal with high laser damage threshold for application in the IR region: synthesis, crystal structure and properties of noncentrosymmetric CsHgBr ₃ . Journal of Materials Chemistry C, 2014, 2, 6796-6801.	2.7	20
2603	Studies on the growth aspects and characterization of sodium para-nitro phenolate single crystals for nonlinear optical applications. Optik, 2014, 125, 5515-5518.	1.4	11
2604	Li ₂ CdGeS ₄ , A Diamond-Like Semiconductor with Strong Second-Order Optical Nonlinearity in the Infrared and Exceptional Laser Damage Threshold. Chemistry of Materials, 2014, 26, 3045-3048.	3.2	175
2605	Effect of L-tyrosine on the solubility, growth, structural, optical, SHG, dielectric and mechanical properties of KDP single crystals. Optical Materials, 2014, 37, 629-634.	1.7	21
2606	Effect of Halogen (Cl, Br) on the Symmetry of Flexible Perovskite-Related Framework. Inorganic Chemistry, 2014, 53, 11213-11220.	1.9	30
2607	Structural, optical and dielectric studies of novel non-linear Bisglycine Lithium Nitrate piezoelectric single crystal. Optical Materials, 2014, 37, 457-463.	1.7	39

#	ARTICLE	IF	CITATIONS
2608	$A_{2}B_{5}O_{15}$ ($A = K$ or Rb): two new promising nonlinear optical materials containing $[L_{3}O_{9}]^{3-}$ bridging anionic groups. Journal of Materials Chemistry C, 2014, 2, 4057-4062.	2.7	59
2609	Series of Lead Oxide Hydroxide Nitrates Obtained by Adjusting the pH Values of the Reaction Systems. Inorganic Chemistry, 2014, 53, 5222-5228.	1.9	30
2610	Synthesis, structure and properties of $Na[AsW_{2}O_{9}]$. Materials Research Bulletin, 2014, 60, 258-263.	2.7	10
2611	Synthesis, crystal growth and characterization of novel semiorganic nonlinear optical crystal: Dichloro(beta-alanine)cadmium(II). Optik, 2014, 125, 5144-5147.	1.4	13
2612	Syntheses, characterization and nonlinear optical properties of sodium scandium carbonate $Na_{5}Sc(CO_{3})_{4} \cdot 2H_{2}O$. Solid State Sciences, 2014, 36, 24-28.	1.5	8
2613	Optical nonlinearity and piezoelectricity in 2,4,6-trimethylpyridinium perchlorate. Chemical Physics, 2014, 441, 59-65.	0.9	6
2614	A set of alkali and alkaline-earth coordination polymers based on the ligand 2-(1H-benzotriazol-1-yl) acetic acid: Effects the radius of metal ions on structures and properties. Journal of Solid State Chemistry, 2014, 219, 55-66.	1.4	19
2615	Growth and characterization of semiorganic NLO crystal of l-glutamic acid hydrochlorobromide (LGHCB). Journal of Thermal Analysis and Calorimetry, 2014, 117, 1157-1163.	2.0	7
2616	$Rb_{2}CdBr_{2}I_{2}$: A New IR Nonlinear Optical Material with a Large Laser Damage Threshold. Journal of the American Chemical Society, 2014, 136, 5683-5686.	6.6	134
2617	Studies on growth and characterization of l-alanine strontium chloride trihydrate single crystals for optical applications. Optik, 2014, 125, 4265-4269.	1.4	14
2618	Cation Exchange in a 3D Perovskite Synthesis of $Ni_{0.5}TaO_{3}$. Inorganic Chemistry, 2014, 53, 8020-8024.	1.9	15
2619	l-Phenylalanine-phenylalaninium bromide a new nonlinear optical material. CrystEngComm, 2014, 16, 7979.	1.3	66
2620	Reactions of Amino Acids with Acids. , 2014, , 207-571.		0
2621	Microscopic Origins of Optical Second Harmonic Generation in Noncentrosymmetric Nonpolar Materials. Chemistry of Materials, 2014, 26, 5773-5781.	3.2	74
2622	Synthesis, growth and characterization of non linear optical Bisthiourea ammonium chloride single crystals by slow evaporation technique. Optical Materials, 2014, 37, 666-670.	1.7	20
2623	An Acentric Calcium Borate $Ca_{2}[B_{5}O_{9}] \cdot (OH) \cdot H_{2}O$: Synthesis, Structure, and Nonlinear Optical Property. Inorganic Chemistry, 2014, 53, 11757-11763.	1.9	84
2624	New Metal-Organic Frameworks Constructed from the 4-Imidazole-Carboxylate Ligand: Structural Diversities, Luminescence, and Gas Adsorption Properties. Crystal Growth and Design, 2014, 14, 3727-3741.	1.4	65
2626	Noncentrosymmetric chalcogenide $NaBa_{4}Ge_{3}S_{10}Cl$ with large band gap and IR NLO response. Journal of Materials Chemistry C, 2014, 2, 4590-4596.	2.7	96

#	ARTICLE	IF	CITATIONS
2627	Crystal growth, structural, optical and dielectric studies of ammonium p-toluenesulfonate. <i>Journal of Crystal Growth</i> , 2014, 408, 14-18.	0.7	13
2628	$\hat{I}^{\pm}\text{-AgI}_{3}\text{O}_{8}$ and $\hat{I}^{2}\text{-AgI}_{3}\text{O}_{8}$ with Large SHG Responses: Polymerization of IO_{3} Groups into the I_{3}O_{8} Polyiodate Anion. <i>Chemistry of Materials</i> , 2014, 26, 3219-3230.	3.2	101
2629	High-Pressure Synthesis, Crystal Structure, and Phase Stability Relations of a LiNbO_{3} -Type Polar Titanate ZnTiO_{3} and Its Reinforced Polarity by the Second-Order Jahn-Teller Effect. <i>Journal of the American Chemical Society</i> , 2014, 136, 2748-2756.	6.6	122
2630	Growth and characterization of l-histidinium 2-nitrobenzoate [LH2NB(I)]—A promising non linear optical single crystal. <i>Optik</i> , 2014, 125, 6082-6086.	1.4	5
2631	Synthesis, growth and characterization of \hat{I}^{3} -glycine — A promising material for optical applications. <i>Optical Materials</i> , 2014, 37, 780-787.	1.7	19
2632	Beryllium-free Li4Sr(BO3)2 for deep-ultraviolet nonlinear optical applications. <i>Nature Communications</i> , 2014, 5, 4019.	5.8	384
2633	Second- and third-order optical studies of 4-Bromoanilinium hydrogen phthalate single crystal for nonlinear optical device applications. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 1139-1146.	1.1	19
2634	Synthesis, Structural Characterization and Properties of Two Strontium Borates Constructed from Oxo Boron Clusters. <i>Journal of Cluster Science</i> , 2014, 25, 1319-1329.	1.7	3
2635	Influence of organic dyes on the thermal, mechanical, and optical properties of l-arginine trifluoroacetate (LATF) single crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 285-291.	2.0	6
2636	Intermolecular Interactions and Second-Harmonic Generation Properties of (<i>E</i>)-1,5-Diarylpentenyn-1-ones. <i>Crystal Growth and Design</i> , 2014, 14, 4402-4410.	1.4	17
2637	$\text{Na}_{4}\text{La}_{2}(\text{CO}_{3})_{5}$ and $\text{CsNa}_{5}\text{Ca}_{5}(\text{CO}_{3})_{8}$: Two New Carbonates as UV Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2014, 53, 8098-8104.	1.9	58
2638	Growth and characterization of hexamethylenetetramine crystals grown from solution. <i>Materials Science-Poland</i> , 2014, 32, 164-170.	0.4	22
2639	Synthesis, spectral analysis, optical and thermal properties of new organic NLO crystal: N,N'-Diphenylguanidinium Nitrate (DPGN). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 17-21.	2.0	24
2640	Variable Framework Structures and Centricities in Alkali Metal Yttrium Selenites, $\text{AY(SeO}_{3})_{2}$ (A = Na, K, Rb, and Cs). <i>Inorganic Chemistry</i> , 2014, 53, 4756-4762.	1.9	47
2641	Synthesis, growth, structure and spectroscopic characterization of a new organic nonlinear optical hydrogen bonding complex crystal: 3-Carboxyl anilinium p-toluene sulfonate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 114-119.	2.0	22
2642	Studies on crystal growth, vibrational, optical, thermal and dielectric properties of new organic nonlinear optical crystal: Bis (2,3-dimethoxy-10-oxostyrylnidinium) phthalate nonahydrate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 114-124.	2.0	42
2643	Dielectric, electrical and nonlinear optical properties of $\text{KTiOPO}_{4}:\text{La}^{3+}$. <i>Journal of Alloys and Compounds</i> , 2014, 594, 39-43.	2.8	8
2644	Synthesis, crystal growth, structural, thermal, optical and mechanical properties of solution grown 4-methylpyridinium 4-hydroxybenzoate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 929-937.	2.0	42

#	ARTICLE	IF	CITATIONS
2645	Role of direction of charge transfer on the nonlinear optical behavior of pyridine substituted chalcone derivatives. <i>Journal of Molecular Structure</i> , 2014, 1075, 246-253.	1.8	26
2646	Strong Second Harmonic Generation (SHG) Originating from Combined Second-Order Jahnâ€‘Teller (SOJT) Distortive Cations in a New Noncentrosymmetric Tellurite, $\text{InNb}(\text{TeO}_4)_2$. <i>Inorganic Chemistry</i> , 2014, 53, 5240-5245.	1.9	47
2647	Optical, thermal and mechanical characterization of Al(III)/Sb(III)-doped tris(thiourea)zinc(II) sulphate crystals. <i>Optik</i> , 2014, 125, 4876-4880.	1.4	4
2648	Salts of Amino Acids. , 2014, , .		76
2649	Synthesis, growth and characterization of non-linear optical material: l-Tryptophan p-nitrophenol (LTPNP) single crystal. <i>Optik</i> , 2014, 125, 4633-4636.	1.4	8
2650	Investigations on the vibrational modes and non-linear optical properties of 4-Fluoro Chalcone crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 114-120.	2.0	6
2651	Synthesis, crystal growth, studies on vibrational spectroscopy and nonlinear optical properties of 4-methoxy-4â€‘chlorochalcone. <i>Materials Research Bulletin</i> , 2014, 50, 446-453.	2.7	15
2652	$\text{ReBe}_2\text{B}_5\text{O}_{11}$ (Re = Y, Gd): Rare-Earth Beryllium Borates as Deep-Ultraviolet Nonlinear-Optical Materials. <i>Inorganic Chemistry</i> , 2014, 53, 1952-1954.	1.9	43
2653	Studies on the growth, thermal and optical properties of 4-aminopyridinium p-aminobenzoate dihydrate single crystals. <i>Journal of Crystal Growth</i> , 2014, 397, 1-5.	0.7	25
2654	Systematic Investigations on 1,2,3-Triazole-Based Compounds Capable of Second Harmonic Generation. <i>Crystal Growth and Design</i> , 2014, 14, 1018-1031.	1.4	25
2655	Investigation on growth of 4-N, N-dimethylamino-Nâ€‘methylstilbazolium p-chlorobenzenesulfonate: An efficient organic NLO crystal with potential THz properties. <i>Optik</i> , 2014, 125, 3791-3797.	1.4	10
2656	Preparation -non linear optical properties of CdSe -KCL nanocomposite material. , 2014, , .		0
2657	Studies on the growth, structural, optical and laser damage threshold properties of 4-aminopyridinium p-aminobenzenesulfonate p-ammonobenzenesulfonate monohydrate crystal. <i>Optik</i> , 2014, 125, 4837-4840.	1.4	6
2658	Crystal Structures and Spectroscopic Properties of Metalâ€‘Organic Frameworks Based on Rigid Ligands with Flexible Functional Groups. <i>Crystal Growth and Design</i> , 2014, 14, 491-499.	1.4	58
2659	Deep-Ultraviolet Transparent Phosphates $\text{RbBa}_2(\text{PO}_3)_5$ and $\text{Rb}_2\text{Ba}_3(\text{P}_2\text{O}_7)_2$ Show Nonlinear Optical Activity from Condensation of $[\text{PO}_4]^{3-}$ Units. <i>Journal of the American Chemical Society</i> , 2014, 136, 8560-8563.	6.6	297
2660	A Highly Stable 3D Acentric Zinc Metalâ€‘Organic Framework Based on Two Symmetrical Flexible Ligands: High Second-Harmonic-Generation Efficiency and Tunable Photoluminescence. <i>Inorganic Chemistry</i> , 2014, 53, 4278-4280.	1.9	31
2661	$\text{Ag}_3\text{Ga}_3\text{SiSe}_8$: a new infrared nonlinear optical material with a chalcopyrite structure. <i>CrystEngComm</i> , 2014, 16, 6836.	1.3	32
2662	KSb_2O_6 and $\text{BaSb}_2\text{B}_4\text{O}_{12}$: Novel Boroantimonates with 3D Anionic Architectures Composed of 1D Chains of SbO_6 Octahedra and B_2O_5 Groups. <i>Inorganic Chemistry</i> , 2014, 53, 3847-3853.	1.9	31

#	ARTICLE	IF	CITATIONS
2663	A new type of multifunctional single ionic dysprosium complex based on chiral salen-type Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2014, 423, 540-544.	1.2	6
2664	Sodium rare earth carbonates with shorite structure and large second harmonic generation response. <i>CrystEngComm</i> , 2014, 16, 4414.	1.3	41
2665	Exploration of new second-order nonlinear optical materials of the CsHgBrI system. <i>Dalton Transactions</i> , 2014, 43, 8899-8904.	1.6	25
2666	Investigation on the growth, optical and thermal studies of a novel organic nonlinear optical crystal: l-Threonine diformate (LTDF). <i>Optik</i> , 2014, 125, 5926-5928.	1.4	5
2667	Raman investigation with group theoretical method on structural polymorphism of the nonlinear optical hexamine: p-nitrophenol cocrystals. <i>Physica Scripta</i> , 2014, 89, 095501.	1.2	7
2668	Cs ₃ Zn ₆ B ₉ O ₂₁ : A Chemically Benign Member of the KBBF Family Exhibiting the Largest Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2014, 136, 1264-1267.	6.6	310
2669	The effect of hippuric acid on crystal growth, structural and optical properties of ZTS single crystals. <i>Journal of Crystal Growth</i> , 2014, 401, 874-877.	0.7	8
2670	A New UV Nonlinear Optical Material CsZn ₂ B ₃ O ₇ : ZnO ₄ Tetrahedra Double the Efficiency of Second-Harmonic Generation. <i>Inorganic Chemistry</i> , 2014, 53, 2521-2527.	1.9	98
2671	New alkali-metal bidentate borate malate NaB(DL-C ₄ H ₄ O ₅) ₂ and CsB(DL-C ₄ H ₄ O ₅) ₂ ·xH ₂ O: Effect of cations on the framework structures and macroscopic centricities. <i>Journal of Alloys and Compounds</i> , 2014, 582, 374-379.	2.8	10
2672	Synthesis, growth and physicochemical properties of an organometallic nonlinear optical crystal: Mercury cadmium chloride thiocyanate. <i>Optik</i> , 2014, 125, 1071-1074.	1.4	5
2673	Growth and characterisation of crystals of a new organic complex of thiourea with quinine sulphate dihydrate: An NLO material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 517-523.	2.0	9
2674	Luminescence and nonlinear optics of 1D N,N'-bis(salicylidene)-1,2-cyclohexanediamine lanthanide coordination polymers. <i>Synthetic Metals</i> , 2014, 192, 29-36.	2.1	10
2675	A new acentric metal borate Mg[B ₆ O ₉ (OH) ₂]·4H ₂ O: Synthesis, structure and optical property. <i>Inorganic Chemistry Communication</i> , 2014, 46, 69-72.	1.8	20
2676	A detailed perceptive on the growth and characterization studies of para amino hippuric acid (PAHA) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 263-270.	2.0	1
2677	Effect of organic ligands (l-Proline and l-Methionine) on growth, structural, vibrational, crystalline perfection, SHG efficiency, microscopic and optical properties of KDP single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 571-578.	2.0	17
2678	Crystal growth, nonlinear frequency-doubling and spectral characteristic of Nd:Ca ₉ La(VO ₄) ₇ crystal. <i>Journal of Alloys and Compounds</i> , 2014, 595, 113-119.	2.8	17
2679	Growth and characterization of organic nonlinear optical material: 5-Nitroindole (5NI) for optical applications. <i>Optik</i> , 2014, 125, 1615-1619.	1.4	5
2680	Optical, theoretical and mechanical studies on sodium acid phthalate crystal. <i>Optik</i> , 2014, 125, 2417-2421.	1.4	12

#	ARTICLE	IF	CITATIONS
2681	Preparation, structural and morphological studies of Ni doped titania nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 218-224.	2.0	13
2682	Synthesis, growth and characterisations of semi-organic nonlinear optical crystal glycine barium nitrate (GBN). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 677-682.	2.0	3
2683	Effect of polarizable lone pair cations on the second-harmonic generation (SHG) properties of noncentrosymmetric (NCS) $\text{Bi}_{2-x}\text{Y}_x\text{TeO}_5$ ($x = 0 \text{--} 0.2$). <i>Dalton Transactions</i> , 2014, 43, 11752.	1.6	22
2684	Anion-Controlled Dielectric Behavior of Homochiral Tryptophan-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2014, 14, 1572-1579.	1.4	54
2685	Crystal growth, structural, thermal and mechanical behavior of l-arginine 4-nitrophenolate 4-nitrophenol dihydrate (LAPP) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 396-402.	2.0	15
2686	Second harmonic generation in chalcogenide glasses. , 2014, , 509-561.		4
2687	Syntheses, Structures, and Second-Order Nonlinear Optical Properties of Chiral Zinc(II) Coordination Polymers Based on (R)-4-(4-(1-Carboxyethoxy)phenoxy)-3-fluorobenzoic Acid and Effect of the Second Ligand with Imidazole Group. <i>Crystal Growth and Design</i> , 2014, 14, 3309-3318.	1.4	29
2688	Linear and nonlinear optical, mechanical, electrical and surface studies of a novel nonlinear optical crystal Manganese mercury thiocyanate (MMTC). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 241-249.	2.0	8
2689	Effect of l-aspartic acid on the growth, structure and spectral studies of Zinc (tris) Thiourea Sulphate (ZTS) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 526-532.	2.0	14
2690	Investigation on the growth and characterization of nonlinear optical single crystal 4,4'-dimethoxybenzoin by vertical Bridgman technique. <i>Optics and Laser Technology</i> , 2014, 64, 156-161.	2.2	11
2691	Synthesis and characterization of pure, urea and thiourea doped organic NLO l-arginine trifluoroacetate single crystals. <i>Materials Chemistry and Physics</i> , 2014, 147, 433-438.	2.0	8
2692	Growth and Characterization of Pure and Cd-Doped Zinc Tris-Thiourea Sulfate (ZTS) Single Crystals. <i>Journal of Electronic Materials</i> , 2014, 43, 439-446.	1.0	15
2693	Experimental and theoretical studies on bis(glycine) lithium nitrate (BGLiN): A physico-chemical approach. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 959-965.	1.9	33
2694	$\text{Ba}_8\text{Sn}_4\text{S}_{15}$: A Strong Second Harmonic Generation Sulfide with Zero-Dimensional Crystal Structure. <i>Chemistry of Materials</i> , 2014, 26, 1093-1099.	3.2	92
2695	Growth, thermal, spectral optical and dielectric characterization of semiorganic material: Dihydroxylammonium tetrachlorostrontium(II) dihydrate. <i>Optik</i> , 2014, 125, 4336-4340.	1.4	1
2696	Influence of formic acid on electrical, linear and nonlinear optical properties of potassium dihydrogen phosphate (KDP) crystals. <i>Physica B: Condensed Matter</i> , 2014, 449, 61-66.	1.3	76
2697	Fabrication of optical element from unidirectional grown imidazole-imidazolium picrate monohydrate (IIP) organic crystals for nonlinear optical applications. <i>Optics and Laser Technology</i> , 2014, 64, 113-119.	2.2	13
2698	2-Phenylethylammonium p-hydroxybenzoate: Growth, structural, spectral, thermal, optical and mechanical characterization. <i>Optik</i> , 2014, 125, 4327-4332.	1.4	10

#	ARTICLE	IF	CITATIONS
2699	Synthesis, growth, vibrational, optical and thermal studies of potassium diboro oxalate single crystals. <i>Optik</i> , 2014, 125, 3389-3392.	1.4	6
2700	Synthesis, spectral, thermal, optical and dielectric studies on 4-dimethylaminopyridinium picrate crystals. <i>Optik</i> , 2014, 125, 4341-4346.	1.4	13
2701	Growth and characterization of 4-methyl benzene sulfonamide single crystals. <i>Optical Materials</i> , 2014, 37, 74-79.	1.7	30
2702	Studies on amino acid picrates: Crystal growth, structure and characterization of a new nonlinear optical material l-isoleucinium picrate. <i>Optik</i> , 2014, 125, 4422-4426.	1.4	17
2703	Effect of Sm ⁺ Rare Earth Ion on the Structural, Thermal, Mechanical and Optical Properties of Potassium Hydrogen Phthalate Single Crystals. <i>Journal of Materials Science and Technology</i> , 2014, 30, 13-18.	5.6	19
2704	Investigation of optical and electrical properties of l-Cystein doped zinc thiourea chloride (ZTC) crystal for nonlinear optical (NLO) applications. <i>Optics and Laser Technology</i> , 2014, 60, 124-129.	2.2	57
2705	Spectral characterization of some second harmonic generation materials from the amino acid family: l-Threonine and l-prolinium tartrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 303-306.	2.0	3
2706	Synthesis, growth, thermal, optical, mechanical and dielectric studies of N-succinopyridine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 731-742.	2.0	20
2707	Second harmonic generation measurements at high pressures on powder samples. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, .	0.4	14
2708	Crystal Structures of Homoleptic Propynyloargentates $\langle i \rangle A \langle i \rangle \langle \sup \rangle l \langle /sup \rangle [Ag(C \langle sub \rangle 3 \langle /sub \rangle H \langle sub \rangle 3 \langle /sub \rangle) \langle sub \rangle 2 \langle /sub \rangle]$ with $\langle i \rangle A \langle i \rangle \langle \sup \rangle l \langle /sup \rangle = Ag, Li, Na$ Solved and Refined from X-ray Powder Diffraction Data. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 3127-3134.	0.6	3
2709	Physicochemical properties of organic non-linear optical (NLO) DL-alanine maleate (DLAM) single crystals. <i>Materials Research Innovations</i> , 2014, 18, 176-182.	1.0	0
2710	Linear and nonlinear optical properties of aluminum borate crystal $Al \langle sub \rangle 5 \langle /sub \rangle BO \langle sub \rangle 9 \langle /sub \rangle$: Experiment and calculation. <i>Journal of Materials Research</i> , 2015, 30, 2319-2326.	1.2	11
2711	Growth and characterization of nonlinear optical single crystals: bis(cyclohexylammonium) terephthalate and cyclohexylammonium para-methoxy benzoate. <i>Bulletin of Materials Science</i> , 2015, 38, 1291-1299.	0.8	16
2712	Physicochemical, electrical and optical studies of methyl-3-(2-furylmethylidene) carbazate single crystal. <i>Bulletin of Materials Science</i> , 2015, 38, 1411-1417.	0.8	1
2713	Single crystal growth and characterization of the first reduced lanthanum molybdenum oxychloride, $La_{20}Mo_{12}O_{63}Cl_4$, with an unusual trigonal prismatic MoO_6 unit. <i>Solid State Sciences</i> , 2015, 48, 133-140.	1.5	13
2714	Multi-wavelength emission through self-induced second-order wave-mixing processes from a Nd ³⁺ doped crystalline powder random laser. <i>Scientific Reports</i> , 2015, 5, 13816.	1.6	40
2715	Molecular structure, First-order hyperpolarizability and HOMO-LUMO studies of L- Histidinium Dinitrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012035.	0.3	5
2716	Spectroscopic and thermodynamic properties of L-ornithine monohydrochloride. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0

#	ARTICLE	IF	CITATIONS
2717	Effect of position of nitrogen in pyridine ring on structural, optical and thermal properties of chalcone single crystals. AIP Conference Proceedings, 2015, , .	0.3	1
2718	Synthesis, growth and optical properties of an efficient nonlinear optical single crystal: L-alanine DL-malic acid. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012036.	0.3	0
2719	Solubility, thermal, photoconductivity and laser damage threshold studies on L-serine acetate (LSA) single crystal. AIP Conference Proceedings, 2015, , .	0.3	0
2720	Laser damage threshold and nonlinear optical studies on guanidinium L - monohydrogen tartrate (GuHT) single crystal for NLO device applications. AIP Conference Proceedings, 2015, , .	0.3	0
2721	Linear and nonlinear optical properties of unidirectionally grown L-Threonine acetate single crystals. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012034.	0.3	0
2722	Growth and characterization of nonlinear optical single crystal: Nicotinic L-tartaric. AIP Conference Proceedings, 2015, , .	0.3	1
2723	Coordination polymers assembled from semirigid fluorene-based ligand: A couple of enantiomers. Journal of Solid State Chemistry, 2015, 231, 47-52.	1.4	13
2724	Diversity of Coordination Modes, Structures, and Properties of Chiral Metalâ€“Organic Coordination Complexes of the Drug Voriconazole. European Journal of Inorganic Chemistry, 2015, 2015, 5281-5290.	1.0	10
2725	Design and Synthesis of the Berylliumâ€“Free Deepâ€“Ultraviolet Nonlinear Optical Material Ba ₃ (ZnB ₅ O ₁₀)PO ₄ . Advanced Materials, 2015, 27, 7380-7385.	11.1	262
2726	Synthesis, Structure and Properties of an Erbium(III) Complex with Chiral Salenâ€“type Schiff Base Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1566-1570.	0.6	8
2727	New Electroâ€“Optic <i>N</i>â€“Methylquinolinium Crystals with Naphthaleneâ€“1â€“Sulfonate. Bulletin of the Korean Chemical Society, 2015, 36, 2920-2923.	1.0	0
2728	Relevance of the Second Harmonic Generation to Characterize Crystalline Samples. Chemical Engineering and Technology, 2015, 38, 971-983.	0.9	27
2729	Investigation on Physical Properties of Semiorganic Nonlinear Optical Glycine Zinc Sulfate Single Crystal. Materials Research, 2015, 18, 581-587.	0.6	22
2730	Crystal Growth, Structural Analysis, Characterization, Conformational Stability and Quantum Chemical Calculation of the Pharmaceutical Compound ? P-Arsanilic Acid. Pharmaceutica Analytica Acta, 2015, 06, .	0.2	0
2731	Structural Characteristics and Non-Linear Optical Behaviour of a 2-Hydroxynicotinate-Containing Zinc-Based Metal-Organic Framework. Molecules, 2015, 20, 8941-8951.	1.7	19
2732	Analysis on the Growth and Characterization of a Non-linear Optical Single Crystal: L-Cystine Dihydrobromide. Materials Research, 2015, 18, 828-832.	0.6	20
2733	On the combined experimental and theoretical investigations on 3-nitrophenylamine for nonlinear optical applications. AIP Conference Proceedings, 2015, , .	0.3	0
2734	Open-framework beryllium phosphates with a zeolitic CrB4 topology and their structural analogues containing 12-ring channels. CrystEngComm, 2015, 17, 2162-2167.	1.3	12

#	ARTICLE	IF	CITATIONS
2735	An outstanding second-harmonic generation material BiB ₂ O ₄ F: exploiting the electron-withdrawing ability of fluorine. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 170-176.	3.0	82
2736	Assembly of noncentrosymmetric coordination polymers by the integration of acentric Ba(<i>scpi</i>)/Sr(<i>scpi</i>) and Li(<i>scpi</i>) coordination polyhedra. <i>CrystEngComm</i> , 2015, 17, 3418-3421.	1.3	8
2737	A ₅ RE ₄ X[TO ₄] ₄ crystal growth and photoluminescence. Fluoride flux synthesis of sodium and potassium rare earth silicate oxyfluorides. <i>CrystEngComm</i> , 2015, 17, 4654-4661.	1.3	23
2738	Synthesis, characterization and theoretical studies of nonlinear optical crystal Sr ₂ B ₅ O ₉ (OH)·H ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10489-10496.	1.3	26
2739	Synthesis, Growth and Characterization of Ni ²⁺ incorporated Potassium Acid Phthalate crystal: A Potential material for NLO applications. <i>Optik</i> , 2015, 126, 1821-1825.	1.4	4
2740	Infrared nonlinear optical properties of lithium-containing diamond-like semiconductors Li ₂ ZnGeSe ₄ and Li ₂ ZnSnSe ₄ . <i>Dalton Transactions</i> , 2015, 44, 11212-11222.	1.6	51
2741	Synthesis, chiroptical and SHG properties of polarizable push-pull dyes built on π -extended binaphthyls. <i>RSC Advances</i> , 2015, 5, 21495-21503.	1.7	13
2742	Synthesis, growth, structure and characterization of molybdenum zinc thiourea complex crystals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 285-292.	0.5	3
2743	Growth and comparison of physicochemical properties of Lewis base adduct of MMTC and CMTC: Efficient nonlinear optical single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012054.	0.3	2
2744	[Et ₃ NH][HSO ₄]-mediated functionalization of hippuric acid: an unprecedented approach to 4-arylidene-2-phenyl-5(4H)-oxazolones. <i>RSC Advances</i> , 2015, 5, 52330-52346.	1.7	22
2745	Hydrothermal Synthesis and Dehydration of CaTeO ₃ (H ₂ O): An Original Route to Generate New CaTeO ₃ Polymorphs. <i>Inorganic Chemistry</i> , 2015, 54, 5660-5670.	1.9	16
2746	Synthesis, growth, structural, optical and thermal properties of a new organic nonlinear optical crystal: 2-amino 5-chloropyridinium-L-tartrate. <i>Journal of Crystal Growth</i> , 2015, 426, 9-14.	0.7	12
2747	Structure, crystalline perfection, mechanical, second harmonic generation efficiency, laser damage threshold and piezoelectric properties of bis nicotinamidium bis D-tartrate 1.25-hydrate single crystals. <i>Optical Materials</i> , 2015, 46, 504-509.	1.7	4
2748	Structural, optical, thermal and mechanical properties of Urea tartaric acid single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 33-39.	2.0	14
2749	Effect of solvents on the bulk growth of 4-aminobenzophenone single crystals: A potential material for blue and green lasers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 329-332.	2.0	7
2750	An non-centrosymmetric mononuclear Zr complex exhibiting UV second-harmonic-generation. <i>Functional Materials Letters</i> , 2015, 08, 1550029.	0.7	0
2751	Hydrogen-bonded supramolecular architecture in nonlinear optical ammonium 2,4-dinitrophenolate hydrate. <i>Journal of Applied Crystallography</i> , 2015, 48, 844-852.	1.9	8
2752	Hydrothermal synthesis, nonlinear optical property and photocatalytic activity of a non-centrosymmetric AgIO ₃ photocatalyst under UV and visible light irradiation. <i>Solid State Sciences</i> , 2015, 46, 37-42.	1.5	38

#	ARTICLE	IF	CITATIONS
2753	Synthesis, growth, structure and characterization of potassium lithium hydrogen phthalate mixed crystals. <i>RSC Advances</i> , 2015, 5, 46282-46289.	1.7	13
2754	Growth and Characterization of Pure and Thiourea Doped L-Alanine Single Crystals for Crystals for NLO Devices. <i>Advanced Materials Research</i> , 0, 1086, 79-84.	0.3	1
2755	Growth and physical properties of organic nonlinear optical crystal: 3-Aminophenol perchlorate. <i>Optik</i> , 2015, 126, 2125-2128.	1.4	7
2756	Exploring the influence of carboxylic acids on nonlinear optical (NLO) and dielectric properties of KDP crystal for applications of NLO facilitated photonic devices. <i>Optical Materials</i> , 2015, 46, 517-521.	1.7	75
2757	Investigations on growth, structure, optical properties and laser damage threshold of organic nonlinear optical crystals of Guanidinium L-Ascorbate. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
2758	$\text{Yb}^{3+}:\text{Gd}_2(\text{MoO}_4)_3$ crystal – A promising self-frequency doubling laser material. <i>Optics Communications</i> , 2015, 355, 89-93.	1.0	7
2759	Second harmonic generation from the 'centrosymmetric' crystals. <i>IUCrJ</i> , 2015, 2, 317-321.	1.0	42
2760	Explorations of New SHG Materials in the Alkali-Metal Nb^{5+} Selenite System. <i>Inorganic Chemistry</i> , 2015, 54, 10978-10984.	1.9	29
2761	Co(II), Co(II)+Mn(II), Co(II)+Ni(II) Co-doping Effects on Tris(thiourea)zinc(II) Sulphate Crystals: A Comparative Study. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 623, 179-193.	0.4	4
2762	Structural characterization and nonlinear optical properties of 1-phenyl-3-(4-bis(2-chloroethyl)aminophenyl)-2-propen-1-one. <i>Journal of Structural Chemistry</i> , 2015, 56, 1398-1404.	0.3	3
2763	Synthesis, electronic polarizability and $\text{Ba}^{2+}:\text{BaB}_2\text{O}_4$ crystallization in $\text{BaO}:\text{B}_2\text{O}_3:\text{TeO}_2$ glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 429, 143-147.	1.5	8
2765	Growth and characterization of new semiorganic nonlinear optical and piezoelectric lithium sulfate monohydrate oxalate single crystals. <i>Materials Research Bulletin</i> , 2015, 64, 194-199.	2.7	35
2766	Flux crystal growth of $\text{Ba}_2\text{TiOSi}_2\text{O}_7$. <i>Journal of Crystal Growth</i> , 2015, 413, 46-50.	0.7	23
2767	Investigation on growth, structure and characterization of succinate salt of 8-hydroxyquinoline: An organic NLO crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 44-53.	2.0	38
2768	Optical, vibrational, NBO, first-order molecular hyperpolarizability and Hirshfeld surface analysis of a nonlinear optical chalcone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 311-327.	2.0	78
2769	Synthesis, molecular structure, spectroscopic characterization and quantum chemical calculation studies of (2E)-1-(5-chlorothiophen-2-yl)-3-(2,3,4-trimethoxyphenyl)prop-2-en-1-one. <i>Journal of Molecular Structure</i> , 2015, 1085, 63-77.	1.8	31
2770	Crystal growth, structural, optical, thermal and electrical properties of organic NLO l-arginine acetamide single crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 785-789.	2.0	3
2771	An interpenetrated bioactive nonlinear optical MOF containing a coordinated quinolone-like drug and $\text{Zn}(\text{SCN})_2$ for pH-responsive release. <i>Dalton Transactions</i> , 2015, 44, 1800-1804.	1.6	47

#	ARTICLE	IF	CITATIONS
2772	Tailored Synthesis of a Nonlinear Optical Phosphate with a Short Absorption Edge. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4217-4221.	7.2	205
2773	A Series of Noncentrosymmetric Antimony Sulfides $\text{Ln}_{x_1}\text{Sb}_{x_2}\text{S}_{15-x_1-x_2}$ ($\text{Ln} = \text{Tm, Er, Yb}$). <i>Inorganic Chemistry</i> , 2015, 54, 964-968.	1.0	17
2774	Macroscopic polarity control with alkali metal cation size and coordination environment in a series of tin iodates. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 361-368.	3.0	74
2775	Designing the syntheses and photophysical simulations of noncentrosymmetric compounds. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 95-107.	3.0	16
2776	Investigation on nucleation kinetics of urea-thiourea mixed crystal (UTMC) in methanol and absolute alcohol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 931-938.	2.0	5
2777	Analysis on linear and nonlinear optical properties of two Bisphenols with DFT approach: A comparative study. <i>Optical Materials</i> , 2015, 42, 215-219.	1.7	2
2778	Structural and photoluminescence studies of Eu^{3+} doped l-Tartaric single crystal through evaporation technique. <i>Journal of Molecular Structure</i> , 2015, 1085, 115-120.	1.8	12
2779	Crystal growth, morphology, thermal and spectral studies of an organosulfur nonlinear optical bis(guanidinium) 5-sulfosalicylate (BG5SS) single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 155-161.	1.1	11
2780	Second Harmonic Generation Optimized at Various Optical Wavelength Ranges through a Series of Cubic Chalcogenides $\text{Ba}_6\text{Ag}_{2.67}\text{Sn}_{4.33}\text{S}_{16}\text{Se}_x$. <i>Chemistry of Materials</i> , 2015, 27, 1316-1326.	3.2	42
2781	Strongest Second Harmonic Generation in the Polar R_3MTQ_7 Family: Atomic Distribution Induced Nonlinear Optical Cooperation. <i>Chemistry of Materials</i> , 2015, 27, 1876-1884.	3.2	70
2782	A host-guest inclusion compound for reversible switching of quadratic nonlinear optical properties. <i>Chemical Communications</i> , 2015, 51, 2298-2300.	2.2	81
2783	Ab Initio Prediction of the Diversity of Second Harmonic Generation from Pharmaceutically Relevant Materials. <i>Crystal Growth and Design</i> , 2015, 15, 581-586.	1.4	16
2784	Enhanced Second Harmonic Generation from an Organic Self-Assembled Eutectic Binary Mixture: A Case Study with 3-Nitrobenzoic and 3,5-Dinitrobenzoic Acids. <i>Crystal Growth and Design</i> , 2015, 15, 946-960.	1.4	18
2785	Beryllium-Free $\text{Rb}_3\text{Al}_3\text{B}_3\text{O}_{10}\text{F}$ with Reinforced Interlayer Bonding as a Deep-Ultraviolet Nonlinear Optical Crystal. <i>Journal of the American Chemical Society</i> , 2015, 137, 2207-2210.	6.6	237
2786	Growth, hyperpolarizability, characterization and theoretical studies of NLO active tris(allylthiourea)mercury(II) chloride. <i>Journal of Molecular Structure</i> , 2015, 1085, 147-154.	1.8	9
2787	A pair of dinuclear $\text{Re}(\text{I})$ enantiomers: synthesis, crystal structures, chiroptical and ferroelectric properties. <i>Dalton Transactions</i> , 2015, 44, 4180-4185.	1.6	12
2788	Effect of l-cysteine on optical, thermal and mechanical properties of ADP crystal for NLO application. <i>Optics and Laser Technology</i> , 2015, 69, 8-12.	2.2	28
2789	Optical Properties of Disilane-Bridged Donor-Acceptor Architectures: Strong Effect of Substituents on Fluorescence and Nonlinear Optical Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 1024-1027.	6.6	77

#	ARTICLE	IF	CITATIONS
2790	Effect of cesium chloride addition on crystal growth, structural, thermal and optical properties of glycine single crystal. <i>Crystal Research and Technology</i> , 2015, 50, 22-27.	0.6	15
2791	Growth, optical, thermal and laser damage threshold studies of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol crystal. <i>Journal of Crystal Growth</i> , 2015, 418, 153-157.	0.7	22
2792	Studies on the growth and characterization of a non linear optical crystal: 3 Hydroxy Pyridinium Tartrate Mono Hydrate (3HPTMH). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 139-147.	2.0	9
2793	Combined theoretical and experimental studies on the molecular structure, spectral and Hirshfeld surface studies of NLO tris(thiourea)zinc(II) sulfate crystals. <i>Journal of Molecular Structure</i> , 2015, 1091, 210-221.	1.8	19
2794	Influence of picric acid on SHG efficiency of tris (thiourea) zinc(II) sulphate (ZTS). <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 953-958.	2.0	2
2795	Synthesis, spectral characterization, thermal behaviour, antibacterial activity and DFT calculation on N,N' -[bis (methylsulfanyl) methylene]-2-hydroxybenzohydrazide and N,N' -(4-methoxy) <i>Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50</i> <i>Biomolecular Spectroscopy</i> , 2015, 145, 98-109.	2.0	8
2796	$Bi_2Te(IO_3)_5Cl$: a novel polar iodate oxychloride exhibiting a second-order nonlinear optical response. <i>Dalton Transactions</i> , 2015, 44, 2469-2475.	1.6	28
2798	A combined experimental and quantum chemical analysis to explore the nonlinear optical activity of guanidinium I -monohydrogen tartrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 417-424.	2.0	8
2799	Synthesis, growth, structural, thermal and optical studies of pyrrolidinium-2-carboxylate-4-nitrophenol single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 333-339.	2.0	17
2800	Structure and optical properties of gel grown crystals of diaqua maleatocalcium (II). <i>Optik</i> , 2015, 126, 2419-2422.	1.4	1
2801	Synthesis, growth, vibrational spectral investigations and structure-property relationship of an organic NLO crystal: 3,4-Dimethoxy chalcone. <i>Chemical Physics Letters</i> , 2015, 636, 208-215.	1.2	14
2802	New isoformula borates with similar structures and different properties - Acentric nonlinear optical $KGd[B_6O_{10}(OH)_2]$ and centrosymmetric $KHo[B_6O_{10}(OH)_2]$. <i>Solid State Sciences</i> , 2015, 46, 43-48.	1.5	5
2803	Crystal growth and characterization of a new NLO crystal: Urea 2-furoic acid. <i>Optik</i> , 2015, 126, 4014-4018.	1.4	22
2804	Two New Crystals in $Li_mCs_nB_{m+n}O_{2(m+n)}$ ($m+n=5, 7; m>n$) Series: Noncentrosymmetric $Li_5Cs_2B_7O_{14}$ and Centrosymmetric $Li_4CsB_5O_{10}$. <i>Inorganic Chemistry</i> , 2015, 54, 7381-7387.	1.9	17
2805	$Pb_{17}O_8Cl_{18}$: A Promising IR Nonlinear Optical Material with Large Laser Damage Threshold Synthesized in an Open System. <i>Journal of the American Chemical Society</i> , 2015, 137, 8360-8363.	6.6	181
2806	Synthesis, growth and characterization of a new promising organic nonlinear optical crystal: 4-Nitrophenyl hydrazone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 854-860.	2.0	7
2807	$Pb_2Ba_3(BO_3)_3Cl$: A Material with Large SHG Enhancement Activated by Pb-Chelated BO_3 Groups. <i>Journal of the American Chemical Society</i> , 2015, 137, 9417-9422.	6.6	255
2808	IR $Li_2Ga_2GeS_6$ nanocrystallized GeS_2 - Ga_2S_3 - Li_2S electroconductive chalcogenide glass with good nonlinearity. <i>Scientific Reports</i> , 2014, 4, 5719.	1.6	4

#	ARTICLE	IF	CITATIONS
2809	Synthesis, linear optical, non-linear optical, thermal and mechanical characterizations of dye-doped semi-organic NLO crystals. <i>Materials Research Express</i> , 2015, 2, 065010.	0.8	3
2810	Zinc and cadmium metal-directed coordination polymers: in situ flexible tetrazole ligand synthesis, structures, and properties. <i>CrystEngComm</i> , 2015, 17, 5814-5831.	1.3	28
2811	Spectroscopic and theoretical characterization of 2-(4-methoxyphenyl)-4,5-dimethyl-1H-imidazole 3-oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 965-979.	2.0	36
2812	Single crystal growth and characterization of the reduced barium sodium siliconobate, Ba ₃ Na _{0.32} Nb ₆ O ₁₂ (Si ₂ O ₇) ₂ . <i>Solid State Sciences</i> , 2015, 48, 7-12.	1.5	8
2813	Growth, optical, thermal and dielectric studies of new organic nonlinear optical crystal (R)-2-cyano-N-(1-phenylethyl)acetamide. <i>Optik</i> , 2015, 126, 3049-3052.	1.4	5
2814	Series of SHG Materials Based on Lanthanide Borate "Acetate Mixed Anion Compounds. <i>Inorganic Chemistry</i> , 2015, 54, 7516-7523.	1.9	35
2815	Growth and characterization of Manganese Sulpho Tartrate (MST) "A semiorganic NLO crystal. <i>Optik</i> , 2015, 126, 2925-2929.	1.4	5
2816	Growth and Thermal Studies of Doped and Pure Crystals of L-Argininium Dinitrate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012044.	0.3	1
2817	High-Performance Switching of Bulk Quadratic Nonlinear Optical Properties with Large Contrast in Polymer Films Based on Organic Hydrogen-Bonded Ferroelectrics. <i>Chemistry of Materials</i> , 2015, 27, 4493-4498.	3.2	49
2818	Top-Seeded Solution Growth, Structure, Morphology, and Functional Properties of a New Polar Crystal " Cs ₂ TeW ₃ O ₁₂ . <i>Crystal Growth and Design</i> , 2015, 15, 4484-4489.	1.4	34
2819	Polar Polymorphism: Î±-, Î²-, and Î³-Pb ₂ Ba ₄ Zn ₄ B ₁₄ O ₃₁ "Synthesis, Characterization, and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2015, 27, 4779-4788.	3.2	75
2820	Structural, electrical, ferroelectric and mechanical properties with Hirshfeld surface analysis of novel NLO semiorganic sodium p-nitrophenolate dihydrate piezoelectric single crystal. <i>RSC Advances</i> , 2015, 5, 57735-57748.	1.7	87
2821	Studies on the growth and characterizations of 2-amino 4-methylpyridinium tartrate monohydrate single crystals. <i>Optik</i> , 2015, 126, 2348-2353.	1.4	11
2822	New hydrophobic L-amino acid salts: maleates of L-leucine, L-isoleucine and L-norvaline. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 584-592.	0.2	19
2823	Growth and physicochemical properties of second-order nonlinear optical 2-amino-5-chloropyridinium trichloroacetate single crystals. <i>Phase Transitions</i> , 2015, 88, 877-887.	0.6	2
2824	Two New Nonlinear Optical and Ferroelectric Zn(II) Compounds Based on Nicotinic Acid and Tetrazole Derivative Ligands. <i>Crystal Growth and Design</i> , 2015, 15, 4020-4025.	1.4	68
2825	Series of open-framework aluminoborates containing [B ₅ O ₁₀] clusters. <i>Dalton Transactions</i> , 2015, 44, 1420-1426.	1.6	19
2826	Cs(TaO ₂) ₃ (SeO ₃) ₂ and Cs(TiOF ₃)(SeO ₃) ₂ : Structural and Second Harmonic Generation Changes Induced by the Different d ⁰ -TM Coordination Octahedra. <i>Inorganic Chemistry</i> , 2015, 54, 3875-3882.	1.9	60

#	ARTICLE	IF	CITATIONS
2827	Outstanding Laser Damage Threshold in $\text{Li}_2\text{MnGeS}_4$ and Tunable Optical Nonlinearity in Diamond-Like Semiconductors. <i>Inorganic Chemistry</i> , 2015, 54, 2809-2819.	1.9	103
2828	Structures, Thermal Behaviors, and Luminescent Properties of Anhydrous Lanthanum Iodate Polymorphs. <i>Inorganic Chemistry</i> , 2015, 54, 3608-3618.	1.9	24
2829	Synthesis and Characterization of Mid-Infrared Transparency Compounds: Acentric BaHgS_2 and Centric $\text{Ba}_8\text{Hg}_4\text{S}_5\text{Se}_7$. <i>Inorganic Chemistry</i> , 2015, 54, 2772-2779.	1.9	47
2830	PbGa_4S_7 : a wide-gap nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3060-3067.	2.7	80
2831	Modulation of Framework and Centricity: Cation Size Effect in New Quaternary Selenites, $\text{ASc}(\text{SeO}_3)_2$ (A = Na, K, Rb, and Cs). <i>Inorganic Chemistry</i> , 2015, 54, 5032-5038.	1.9	38
2832	Vibrational spectral analysis, electronic absorption and non-linear optical behavior of (E)-1-(2,4,6-trimethoxyphenyl)pent-1-en-3-one. <i>Vibrational Spectroscopy</i> , 2015, 79, 1-10.	1.2	7
2833	Structural, thermal and optical properties of $\text{KTi}_{0.92}\text{La}_{0.08}\text{OPO}_4$ and $\text{KTi}_{0.94}\text{Nd}_{0.06}\text{OPO}_4$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 183-189.	2.0	4
2834	$\text{SnGa}_2\text{GeS}_6$: synthesis, structure, linear and nonlinear optical properties. <i>Dalton Transactions</i> , 2015, 44, 7404-7410.	1.6	40
2836	Growth, optical, electrical and photoconductivity studies of a novel nonlinear optical single crystal: Mercury cadmium chloride thiocyanate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012049.	0.3	0
2837	Structure, thermal and optical properties of $\text{Ca}_9\text{Y}_{0.5}\text{La}_{0.5}(\text{VO}_4)_7$ potential nonlinear optical material. <i>Materials Research Innovations</i> , 2015, 19, 140-144.	1.0	8
2838	Crystal structure of new phosphates $\text{Ca}_9\text{Pb}_x\text{Eu}(\text{PO}_4)_7$ from Rietveld refinement. <i>Powder Diffraction</i> , 2015, 30, S101-S103.	0.4	1
2839	Growth and optical properties of $\text{K}_2(\text{Al}_{0.71}\text{Ga}_{0.29})_2\text{B}_2\text{O}_7$ crystal. <i>Optical Materials</i> , 2015, 45, 197-201.	1.7	4
2840	Effect of amino acid dopants on the spectral, optical, mechanical and thermal properties of potassium acid phthalate crystals for possible optoelectronic and frequency doubling applications. <i>Optics and Laser Technology</i> , 2015, 72, 108-115.	2.2	7
2841	Syntheses, Characterization, and Optical Properties of Centrosymmetric $\text{Ba}_3(\text{BS})_{1.5}(\text{MS})_{0.5}$ and Noncentrosymmetric $\text{Ba}_3(\text{BQ})(\text{SbQ})$. <i>Inorganic Chemistry</i> , 2015, 54, 4761-4767.	1.9	33
2842	l-Proline sodium nitrate obtained from solvent drop grinding. <i>Polyhedron</i> , 2015, 91, 84-88.	1.0	4
2843	$\text{Sr}_2(\text{OH})_3\text{NO}_3$: the first nitrate as a deep UV nonlinear optical material with large SHG responses. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5268-5274.	2.7	136
2844	Synthesis, growth, structure, and characterization of (2E,6E)-2-(4-bromobenzylidene)-6-(4-methoxybenzylidene)cyclohexanone. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 921-930.	2.0	3
2845	Second harmonic generation study of local polar inhomogeneities in $\text{Pb}_3(\text{MgNb}_2)\text{O}_9$. <i>Physics of the Solid State</i> , 2015, 57, 472-475.	0.2	5

#	ARTICLE	IF	CITATIONS
2846	Growth, optical and thermal studies on N-benzyl-2-methyl-4-nitroaniline. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012033.	0.3	0
2847	Bulk size crystal growth, spectroscopic, dielectric and surface studies of 4-N,N-dimethylamino-4-Ni ²⁺ -methylstilbazolium m-nitrobenzenesulfonate (DSMNS): A potential THz crystal of stilbazolium family. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 957-964.	2.0	18
2848	Synthesis and structure of the new pentanary uranium(U^{5+}) silicate, $\text{K}_4\text{Ca}_4\text{U}_4\text{Si}_4\text{O}_{14}$, a member of a structural family related to fresnoite. CrystEngComm, 2015, 17, 4218-4224.	1.3	23
2849	Bulk crystal growth and characterization of semi-organic nonlinear optical crystal tri-diethylammonium hexachlorobismuthate (TDCB). CrystEngComm, 2015, 17, 2569-2574.	1.3	29
2850	X-ray diffraction, spectroscopic and mechanical studies on potential organic NLO materials of metaNitroaniline and N-3-Nitrophenyl Acetamide single crystals. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012110.	0.3	0
2852	Fabrication and performance study of electro-optical modulator and third order nonlinearity using unidirectional method (Sankaranarayanan "Ramamy") grown Imidazolium l-Tartrate O^1 single crystal. Optical Materials, 2015, 46, 141-148.	1.7	10
2853	Czochraski growth, defect analysis and refractive index of $\text{Ba}_2\text{TiGe}_2\text{O}_8$ crystal with excellent optical nonlinearities. Optical Materials, 2015, 42, 361-365.	1.7	15
2854	Strong IR NLO Material $\text{Ba}_4\text{Mg}_4\text{Se}_{10}\text{Cl}_2$: Highly Improved Laser Damage Threshold via Dual Ion Substitution Synergy. Advanced Optical Materials, 2015, 3, 957-966.	3.6	75
2855	Two chiral coordination polymers constructed from (1R,2R)-1,2-diaminocyclohexane derivative: Syntheses, structures and properties. Inorganic Chemistry Communication, 2015, 55, 99-102.	1.8	8
2856	Syntheses, crystal structures, and NLO properties of the quaternary sulfides $\text{RE}_3\text{Sb}_0.33\text{Si}_7$ (RE=La, Pr). Journal of Solid State Chemistry, 2015, 227, 5-9.	1.4	15
2857	Second-harmonic generation (SHG) and photoluminescence properties of noncentrosymmetric (NCS) layered perovskite solid solutions, $\text{CsBi}_{1-x}\text{Eu}_x\text{Nb}_2\text{O}_7$ (x = 0, 0.1, and 0.2). Journal of Materials Chemistry C, 2015, 3, 5625-5630.	2.7	29
2858	Hybrid Germanium Iodide Perovskite Semiconductors: Active Lone Pairs, Structural Distortions, Direct and Indirect Energy Gaps, and Strong Nonlinear Optical Properties. Journal of the American Chemical Society, 2015, 137, 6804-6819.	6.6	710
2859	$\text{Pb}_7\text{O}(\text{OH})_3(\text{CO}_3)_3(\text{BO}_3)_3$: First Mixed Borate and Carbonate Nonlinear Optical Material Exhibiting Large Second-Harmonic Generation Response. Inorganic Chemistry, 2015, 54, 4138-4142.	1.9	69
2860	Crystal Growth of Four Oxovanadium(IV) Tartrates Prepared via a Mild Two-Step Hydrothermal Method: Observation of Spin-Dimer Behavior and Second Harmonic Generation. Inorganic Chemistry, 2015, 54, 4011-4020.	1.9	25
2861	Synthesis, crystal growth, solubility, structural, optical, dielectric and microhardness studies of Benzotriazole-4-hydroxybenzoic acid single crystals. Journal of Crystal Growth, 2015, 420, 11-16.	0.7	25
2862	Structure and Characterization of a Novel Chalcone Crystal Having Nitro as an Acceptor Group. Molecular Crystals and Liquid Crystals, 2015, 607, 200-214.	0.4	21
2863	Growth and characterization of a new organic nonlinear optical crystal: 1-(3-Nitrophenyl)-5-phenylpenta-2,4-dien-1-one. Optics and Laser Technology, 2015, 71, 108-113.	2.2	31
2864	Syntheses, structures, and characterizations of a new second-order nonlinear optical material: $\text{Pb}_2(\text{SeO}_3)(\text{NO}_3)_2$. Journal of Alloys and Compounds, 2015, 640, 39-44.	2.8	29

#	ARTICLE	IF	CITATIONS
2865	From Pair Quadruple- to Single-Stranded Helices to Lines in a Mixed Ligand System via Adjusting the N-Substituent of $\langle \text{scp} \rangle$ -Glu. <i>Inorganic Chemistry</i> , 2015, 54, 3951-3957.	1.9	21
2866	Polar and antiferroelectric behaviour of a hybrid crystal " piperazinium perchlorate. <i>CrystEngComm</i> , 2015, 17, 3171-3180.	1.3	18
2867	Growth, optical and thermal studies of pure and thiourea doped ammonium pentaborate nonlinear optical single crystals. <i>Materials Research Innovations</i> , 2015, 19, 318-323.	1.0	11
2868	New phenolic N-methylquinolinium single crystals for second-order nonlinear optics. <i>Optical Materials</i> , 2015, 45, 136-140.	1.7	18
2869	Structure-property relation and third order nonlinear optical absorption study of a new organic crystal: 1-(3,4-Dimethoxyphenyl)-3-(2-fluorophenyl) prop-2-en-1-one. <i>Optical Materials</i> , 2015, 49, 279-285.	1.7	10
2870	Determination of the nonlinear optical coefficients of the BaGa ₄ Se ₇ crystal. <i>Optics Express</i> , 2015, 23, 552.	1.7	52
2871	Optical, structural, thermal and powder SHG investigations on 5-chlorosalicylaldehyde single crystals. <i>Optik</i> , 2015, 126, 3516-3521.	1.4	1
2872	A novel red Ca _{8.5} Pb _{0.5} Eu(PO ₄) ₇ phosphor for light emitting diodes application. <i>Journal of Alloys and Compounds</i> , 2015, 647, 965-972.	2.8	38
2873	Optical birefringence studies of thiourea complex crystals using Cauchy's two term model by the channeled spectrum method. <i>Journal of Optics (India)</i> , 2015, 44, 317-321.	0.8	0
2874	Growth and characterization of tris thiourea magnesium zinc sulphate single crystals. <i>Optik</i> , 2015, 126, 3731-3736.	1.4	29
2875	Synthesis, crystal structure refinement, and nonlinear-optical properties of CaB ₃ O ₅ (OH): Comparative crystal chemistry of calcium triborates. <i>Crystallography Reports</i> , 2015, 60, 649-655.	0.1	5
2876	Diversity in Supramolecular Solid-State Architecture Formed by Self-Assembly of 1-(Diaminomethylene)thiourea and Aliphatic Dicarboxylic Acids. <i>Crystal Growth and Design</i> , 2015, 15, 5097-5111.	1.4	15
2877	Metal Thiophosphates with Good Mid-infrared Nonlinear Optical Performances: A First-Principles Prediction and Analysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 13049-13059.	6.6	345
2878	A terbium rich orthoborate LiSrTb ₂ (BO ₃) ₃ and its analogues. <i>New Journal of Chemistry</i> , 2015, 39, 9389-9395.	1.4	19
2879	K ₂ Pb ₃ (CO ₃) ₃ F ₂ and KCdCO ₃ F: Novel Fluoride Carbonates with Layered and 3D Framework Structures. <i>Inorganic Chemistry</i> , 2015, 54, 10407-10414.	1.9	35
2880	Beyond Single-Wavelength SHG Measurements: Spectrally-Resolved SHG Studies of Tetrakisphosphate Ester Coordination Polymers. <i>Inorganic Chemistry</i> , 2015, 54, 10568-10575.	1.9	26
2881	Synthesis, structure, characterization and theoretical studies of NLO active furan-2-carbohydrazide monohydrate derivative single crystals. <i>RSC Advances</i> , 2015, 5, 71076-71087.	1.7	23
2882	A study on K ₂ SbF ₂ Cl ₃ as a new mid-IR nonlinear optical material: new synthesis and excellent properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9588-9593.	2.7	41

#	ARTICLE	IF	CITATIONS
2883	First-Principles Evaluation of the Alkali and/or Alkaline Earth Beryllium Borates in Deep Ultraviolet Nonlinear Optical Applications. <i>ACS Photonics</i> , 2015, 2, 1183-1191.	3.2	117
2884	Growth and characterization of noncentrosymmetric single crystals of l-Argininium-4-nitro Phenolate Monohydrate (LARP): A potential second order nonlinear optical material. <i>Optical Materials</i> , 2015, 48, 226-232.	1.7	22
2885	Reversible phase transition in semi-organic compound p-Nitroanilinium sulfate detected using second harmonic generation as a tool. <i>Optical Materials</i> , 2015, 48, 215-221.	1.7	16
2886	Structural Modulation of Anionic Group Architectures by Cations to Optimize SHG Effects: A Facile Route to New NLO Materials in the ATCO ₃ F (A = K, Rb; T = Zn, Cd) Series. <i>Chemistry of Materials</i> , 2015, 27, 7520-7530.	3.2	94
2887	Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. <i>Crystal Growth and Design</i> , 2015, 15, 5560-5567.	1.4	30
2888	Unidirectional growth and characterization of mixed crystals: Na(I)-incorporated KDP. <i>Optik</i> , 2015, 126, 4032-4036.	1.4	4
2889	Growth, structural, optical, electrical, thermal and powder SHG studies on new organic nonlinear optical crystal-pyrene succinate. <i>Optik</i> , 2015, 126, 4548-4552.	1.4	2
2890	ACdCO ₃ F (A = K and Rb): new noncentrosymmetric materials with remarkably strong second-harmonic generation (SHG) responses enhanced via I π -interaction. <i>RSC Advances</i> , 2015, 5, 84754-84761.	1.7	58
2891	Growth and characterization of l-alanine admixed urea single crystal. <i>Optik</i> , 2015, 126, 3570-3573.	1.4	3
2892	Crystal structures and non-linear optics of several types of bimetallic assemblies comprising chiral Cu(II) complexes. <i>Polyhedron</i> , 2015, 102, 297-307.	1.0	4
2893	Investigation on the crystal growth and characterization of an organometallic non-linear optical crystal "Antimony potassium tartrate. <i>Optik</i> , 2015, 126, 5339-5341.	1.4	14
2894	Structures and multiple properties of two polar metal-organic frameworks based on achiral N,O-coordinated ligands: toward multifunctional materials. <i>Dalton Transactions</i> , 2015, 44, 18882-18892.	1.6	25
2895	Experimental and theoretical studies of optical and nonlinear optical properties for MnTeMoO ₆ crystal. <i>Journal of Alloys and Compounds</i> , 2015, 651, 585-589.	2.8	18
2896	Symmetrically Related Construction and Optical Properties of Two Noncentrosymmetric 3D Iodides of d ¹⁰ Cation (Cu ⁺ , Ag ⁺) Based on the N-Benzylpyridinium and Its Supramolecular Interactions. <i>Inorganic Chemistry</i> , 2015, 54, 8705-8710.	1.9	67
2897	Enhancement of Optical, Piezoelectric, and Mechanical Properties in Crystal Violet Dye-Doped Benzophenone Crystals Grown by Czochralski Technique. <i>Crystal Growth and Design</i> , 2015, 15, 4908-4917.	1.4	55
2898	Octupolar (C ₃ and S ₄) Symmetric Cyclized Indole Derivatives: Syntheses, Structures, and NLO Properties. <i>Organic Letters</i> , 2015, 17, 4164-4167.	2.4	28
2899	Multi odd-even effects on cell parameters, melting points, and optical properties of chiral crystal solids based on S-naproxen. <i>CrystEngComm</i> , 2015, 17, 7258-7261.	1.3	8
2900	Isoxazolone-based single crystals with large second harmonic generation effect. <i>CrystEngComm</i> , 2015, 17, 7316-7322.	1.3	18

#	ARTICLE	IF	CITATIONS
2901	Optical, thermal, mechanical and dielectric studies of NLO active unidirectional grown l-alanine lithium chloride single crystal by SR method. <i>Optik</i> , 2015, 126, 4516-4522.	1.4	6
2902	Polymorphism and second harmonic generation in a novel diamond-like semiconductor: Li ₂ MnSnS ₄ . <i>Journal of Solid State Chemistry</i> , 2015, 231, 256-266.	1.4	26
2903	Analysis of nonlinear optical materials properties by simple powder technique. <i>Journal of Physics: Conference Series</i> , 2015, 594, 012037.	0.3	2
2904	Growth and characterization of a new organic NLO crystal: Guanidine acetate single crystals. <i>Optik</i> , 2015, 126, 5873-5876.	1.4	13
2905	Synthesis, crystal structure and ionic conductivity of a new open-framework arsenate K _{0.405} Bi _{0.865} AsO ₄ . <i>Journal of Alloys and Compounds</i> , 2015, 653, 321-326.	2.8	15
2906	Controllable synthesis of nucleotide complex based on pH control: a small-molecule fluorescent probe as an auxiliary ligand to indicate the pre-organization of the nucleotide complex in solution. <i>Dalton Transactions</i> , 2015, 44, 17810-17818.	1.6	10
2907	Growth and characterization of l-histidinium μ -4-nitrobenzoate (1:1) multi-component molecular complex. <i>Journal of Molecular Structure</i> , 2015, 1102, 323-330.	1.8	4
2908	Four-coordinate nickel(<i>ii</i>) and copper(<i>ii</i>) complex based ONO tridentate Schiff base ligands: synthesis, molecular structure, electrochemical, linear and nonlinear properties, and computational study. <i>Dalton Transactions</i> , 2015, 44, 18019-18037.	1.6	62
2909	Growth and characterization of semi-organic nonlinear optical crystals of l-leucine hydrochlorobromide (LEHCB _r). <i>Canadian Journal of Physics</i> , 2015, 93, 836-840.	0.4	1
2910	Second- and third-order nonlinear optical and quantum chemical studies on 2-amino-4-picolinium-nitrophenolate-nitrophenol: A phasematchable organic single crystal. <i>Optical Materials</i> , 2015, 49, 158-170.	1.7	67
2911	BaGa ₂ SnSe ₆ : a new phase-matchable IR nonlinear optical material with strong second harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10998-11004.	2.7	54
2912	Synthesis and optical properties of the first lead borate bromide with isolated BO ₃ groups: Pb ₂ Ba ₃ (BO ₃) ₃ Br. <i>Dalton Transactions</i> , 2015, 44, 16818-16823.	1.6	25
2913	Studies on the growth, optical, thermal and mechanical properties of l-glutamic acid hydrobromide single crystals. <i>Optik</i> , 2015, 126, 3652-3655.	1.4	4
2914	Synthesis, crystal structures and properties of lead phosphite compounds. <i>Journal of Solid State Chemistry</i> , 2015, 231, 198-203.	1.4	19
2915	Effect of cation substitution on structural transition: synthesis, characterization and theoretical studies of NaCa ₄ B ₃ O ₉ , NaCaBO ₃ , NaSrBO ₃ and Li ₄ CaB ₂ O ₆ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26359-26368.	1.3	16
2916	A series of coordination polymers based on varied polycarboxylates and different imidazole-containing ligands: syntheses, crystal structures and physical properties. <i>RSC Advances</i> , 2015, 5, 80457-80471.	1.7	10
2917	Studies on crystallization and characterization of l-cysteiniumchloride nicotinamide monohydrate single crystal. <i>Optik</i> , 2015, 126, 4322-4325.	1.4	0
2918	Growth and characterization studies of a new NLO single crystal potassium l-asparaginate. <i>Optik</i> , 2015, 126, 4561-4565.	1.4	15

#	ARTICLE	IF	CITATIONS
2919	Oxychalcogenide BaGeOSe ₂ : Highly Distorted Mixed-Anion Building Units Leading to a Large Second-Harmonic Generation Response. Chemistry of Materials, 2015, 27, 8189-8192.	3.2	74
2920	Synthesis, crystal structures and properties of new quinolinium derivatives. Chemical Physics Letters, 2015, 641, 141-145.	1.2	7
2921	Crystal growth and characterization of a semi-organic nonlinear optical (NLO) material: L-phenylalanine cadmium chloride. Canadian Journal of Physics, 2015, 93, 1296-1301.	0.4	6
2922	The mechanism for the nonlinear optical properties in La ₉ Na ₃ B ₈ O ₂₇ , La ₂ Na ₃ B ₃ O ₉ and La ₂ CaB ₁₀ O ₁₉ : <i>ab initio</i> studies. Journal of Physics Condensed Matter, 2015, 27, 405501.	0.7	7
2923	Bi ₂ O ₂ (OH)(NO ₃) as a desirable [Bi ₂ O ₂] ²⁺ layered photocatalyst: strong intrinsic polarity, rational band structure and {001} active facets co-beneficial for robust photooxidation capability. Journal of Materials Chemistry A, 2015, 3, 24547-24556.	5.2	352
2924	BaBi(S ₂ O ₃) ₂ Cl: a new polar material showing high second-harmonic generation efficiency enhanced by constructive alignment of chloride ions. Journal of Materials Chemistry C, 2015, 3, 12290-12296.	2.7	32
2925	Solvent-assisted construction of diverse Mg-TDC coordination polymers. CrystEngComm, 2015, 17, 1348-1357.	1.3	21
2926	Observation of non-linear optical and photoluminescence properties in ferroelectric 0.94[Na _{0.5} K _{0.5} NbO ₃]∗0.06LiNbO ₃ single crystals. Materials Letters, 2015, 143, 105-107.	1.3	9
2927	Growth and characterization of semi organic nonlinear optical L-Valine Ferric Chloride single crystal by solution growth technique. Current Applied Physics, 2015, 15, 201-207.	1.1	21
2928	Syntheses, Structures, and Nonlinear-Optical Properties of Metal Sulfides Ba ₂ Ga ₈ MS ₁₆ (M = Si, Ge). Inorganic Chemistry, 2015, 54, 976-981.	1.9	80
2929	Influence of Cd(II) doping on the thermal and optical properties of ammonium dihydrogen phosphate crystals. Journal of Thermal Analysis and Calorimetry, 2015, 119, 871-878.	2.0	4
2930	Synthesis, crystal growth, and second-order nonlinear optical properties of new configurationally locked polyene derivatives. CrystEngComm, 2015, 17, 1050-1055.	1.3	19
2931	Semiconducting Properties and Phase-Matching Nonlinear Optical Response of the One-Dimensional Selenophosphates ANb ₂ PSe ₁₀ (A = K, Rb, and Cs). Chemistry of Materials, 2015, 27, 255-265.	3.2	29
2932	Growth, mechanical, dielectric, thermal and optical studies of a nonlinear optical crystal: L-Histidinium dipicrate dihydrate. Materials Chemistry and Physics, 2015, 151, 5-13.	2.0	40
2933	Spectral and conformational studies on 3-pyridinealdazine by DFT approach. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 660-666.	2.0	6
2934	Synthesis, growth, optimization, bulk SR method growth, fabrication of indigenous optical element and anisotropic studies on guanidinium L-monohydrogen tartrate (GuHT) single crystal for nonlinear optical device applications. Journal of Crystal Growth, 2015, 412, 40-48.	0.7	27
2935	Synthesis, structural and spectroscopic properties of acentric triple molybdate Cs ₂ NaBi(MoO ₄) ₃ . Journal of Solid State Chemistry, 2015, 225, 53-58.	1.4	46
2936	Studies on growth and nucleation kinetics of Piperazinium L-tartrate (PPLT) single crystal. Crystal Research and Technology, 2015, 50, 15-21.	0.6	4

#	ARTICLE	IF	CITATIONS
2937	Experimental and theoretical investigations on N,Nâ€²-diphenylguanidinium dihydrogen phosphite â€œ A semi-organic nonlinear optical material. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 340-347.	2.0	16
2938	Dinuclear Lanthanideâ€œCarboxylate Compounds: Field-Induced Slow Relaxation of Magnetization for Dysprosium(III) Analogue. Australian Journal of Chemistry, 2015, 68, 488.	0.5	12
2939	Synthesis, spectral, optical and electric studies of N,Nâ€²-diphenylguanidinium hydrogen (+)-l-tartrate monohydrateâ€œA new organic NLO crystal. Optik, 2015, 126, 68-73.	1.4	16
2940	Unidirectional growth of â€œ001â€œ triglycine zinc chloride crystal by Sankaranarayananâ€œRamamamy (SR) method and its characterization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 811-817.	2.0	0
2941	Organized Chromophoric Assemblies for Nonlinear Optical Materials: Towards (Sub)wavelength Scale Architectures. Small, 2015, 11, 1113-1129.	5.2	63
2942	Growth, thermal, mechanical, structural and optical properties of organic NLO crystals of novel cis-2,6-bis(2-chlorophenyl)-3,3-dimethylpiperidin-4-one. Journal of Molecular Structure, 2015, 1081, 449-456.	1.8	17
2943	Second-order, third-order NLO and other properties of l-alanine crystals admixed with perchloric acid (LAPA). Optik, 2015, 126, 213-218.	1.4	39
2944	Crystal growth and properties of NLO optical crystal â€œ Butylated Hydroxy Toluene (BHT). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 13-20.	2.0	8
2945	Synthesis, structure, crystal growth and characterization of a novel semiorganic nonlinear optical l-proline lithium bromide monohydrate single crystal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 138, 187-194.	2.0	24
2946	Synthesis, growth and characterization of nitramino sulphonic acid (NASA) NLO single crystals. Optik, 2015, 126, 95-100.	1.4	12
2947	Studies on influence of Cd ²⁺ ions in unidirectional growth and characterization of l-Cysteine hydrochloride monohydrate single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1950-1954.	2.0	10
2948	Growth, spectral, thermal, optical, mechanical and etching studies of l-lysine semi-maleate (l-LSM) single crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1850-1856.	2.0	3
2949	Experimental and theoretical investigations of non-centrosymmetric 8-hydroxyquinolinium dibenzoyl-(l)-tartrate methanol monohydrate single crystal. Materials Research Bulletin, 2015, 61, 136-145.	2.7	11
2950	Nucleation, growth and characterization of semiorganic nonlinear optical crystal sodium acetate doped l-tyrosine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 168-174.	2.0	2
2951	Molecular structure, FT-IR, NBO, HOMO and LUMO, MEP and first order hyperpolarizability of (2E)-1-(2,4-Dichlorophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one by HF and density functional methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 81-92.	2.0	53
2952	Growth and characterization of Cadmium Thiosemicarbazide Bromide crystals for antibacterial and nonlinear optical applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 25-30.	2.0	15
2953	Investigations on growth and characterisation of 2-hydroxyanilinium 3,5-dinitrobenzoate single crystal. Materials Research Innovations, 2015, 19, 182-186.	1.0	12
2954	Femtosecond Cr ²⁺ -Based Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 273-291.	1.9	95

#	ARTICLE	IF	CITATIONS
2955	Growth, spectral, anisotropic, second and third order nonlinear optical studies on potential nonlinear optical crystal anilinium perchlorate (AP) for NLO device fabrications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 517-525.	2.0	27
2956	Crystal growth, characterization and theoretical studies of alkaline earth metal-doped tetrakis(thiourea)nickel(II) chloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 383-388.	2.0	4
2957	Syntheses of Two Vanadium Oxide-Fluoride Materials That Differ in Phase Matchability. <i>Inorganic Chemistry</i> , 2015, 54, 765-772.	1.9	40
2958	Bulk growth, optical, thermal, dielectric and mechanical studies of nonlinear optical crystal. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 291-299.	2.0	13
2959	Synthesis, growth and spectral, optical and thermal characterization studies on L-Tryptophan p-nitrophenol (LTPN) single crystals for NLO applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 732-735.	2.0	11
2960	Synthesis, crystal growth and physicochemical characterization of organic NLO crystal: L-ornithinium dipicrate (LODP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 700-706.	2.0	19
2961	Five chiral Cd(II) complexes with dual chiral components: Effect of positional isomerism, luminescence and SHG response. <i>Journal of Solid State Chemistry</i> , 2015, 221, 85-94.	1.4	18
2962	Crystal structure and vibrational spectra of melaminium arsenate. <i>Journal of Molecular Structure</i> , 2015, 1079, 407-413.	1.8	6
2963	Synthesis, growth and characterization of a new metal-organic NLO material: Dibromo bis (l-proline) Cd (II). <i>Journal of Molecular Structure</i> , 2015, 1080, 37-43.	1.8	22
2964	Effect of KDP on the growth, thermal and optical properties of l-alanine single crystals. <i>Arabian Journal of Chemistry</i> , 2016, 9, 676-680.	2.3	20
2965	Physico-Chemical Characterization, Opto Electronic Investigation and Vibrational Analysis on Coordinate Covalent Complex; Bis (Thiourea) Nickel Bromide (BTNB) Using Experimental and Computational Tools. <i>Journal of Theoretical and Computational Science</i> , 2016, 3, .	0.1	1
2966	Frequency-Doubling Oxide Fluorides, Borate Fluorides, and Fluorooxoborates. , 2016, , 311-354.		7
2967	Optical, Thermal, and Mechanical Properties of L-Serine Phosphate, a Semiorganic Enhanced NLO Single Crystal. <i>International Journal of Optics</i> , 2016, 2016, 1-5.	0.6	9
2968	Crystal Growth and Associated Properties of a Nonlinear Optical Crystal Ba ₂ Zn(BO ₃) ₂ . <i>Crystals</i> , 2016, 6, 68.	1.0	16
2969	Rb ₂ Na(NO ₃) ₃ : A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. <i>Crystals</i> , 2016, 6, 42.	1.0	65
2970	Molecular Structures and Second-Order Nonlinear Optical Properties of Ionic Organic Crystal Materials. <i>Crystals</i> , 2016, 6, 158.	1.0	92
2971	Structural, thermal, laser damage, photoconductivity, NLO and mechanical properties of modified vertical Bridgman method grown AgGa _{0.5} In _{0.5} Se ₂ single crystal. <i>Optical Materials</i> , 2016, 58, 504-513.	1.7	3
2972	K ₂ Au(IO ₃) ₅ and KAu(IO ₃) ₄ : Polar Materials with Strong SHG Responses Originating from Synergistic Effect of AuO ₄ and IO ₃ Units. <i>Chemistry - A European Journal</i> , 2016, 22, 1750-1759.	1.7	12

#	ARTICLE	IF	CITATIONS
2973	Switchable Room-Temperature Ferroelectric Behavior, Selective Sorption and Solvent-Exchange Studies of $[H_3O][Co_2(sdba)_2] \cdot nH_2O$. ChemPlusChem, 2016, 81, 733-742.	1.3	9
2974	Mixed Alkali Neodymium Orthoborates: $K_9Li_3Nd_3(BO_3)_7$ and $LiNd(BO_3)_2$ ($A = Rb, Cs$). Zeitschrift Fur Anorganische Und Allgemeine Chemie. 2016. 642. 424-430.	0.6	6
2975	Crystal structure and nonlinear optical absorption of a new chalcone derivative: a promising candidate for optical switching. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	19
2976	Multi-functional supramolecular building blocks with hydroxy piperidino groups: new opportunities for developing nonlinear optical ionic crystals. CrystEngComm, 2016, 18, 5832-5841.	1.3	14
2977	Modified low temperature Czochralski growth of xylenol orange doped benzophenone single crystal for fabricating dual band patch antenna. Journal of Crystal Growth, 2016, 450, 74-80.	0.7	14
2978	Intercalation of Varied Sulfonates into a Layered MOC: Confinement-Caused Tunable Luminescence and Novel Properties. Chemistry - A European Journal, 2016, 22, 5327-5334.	1.7	18
2979	Study of spectroscopic and thermal characteristics of nonlinear optical molecular crystals based on 4-nitrophenol. Journal of Physics: Conference Series, 2016, 735, 012017.	0.3	1
2980	Growth and characterizations of L-methioninium picrate single crystal for nonlinear optical applications. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650052.	1.1	10
2981	Growth and characterization of ADP single crystals doped with alkali and alkaline metal ions. AIP Conference Proceedings, 2016, , .	0.3	3
2982	Synthesis and optical properties of polycrystalline $Li_2Al_2B_2O_7$ (LABO). AIP Conference Proceedings, 2016, , .	0.3	0
2983	$AZn_2BO_3X_2$ ($A = K, Rb, NH_4$; $X = Cl, Br$): New Members of KBBF Family Exhibiting Large SHG Response and the Enhancement of Layer Interaction by Modified Structures. Chemistry of Materials, 2016, 28, 9122-9131.	3.2	134
2984	Beryllium-Free KBBF Family of Nonlinear-Optical Crystals: $AZn_2BO_3X_2$ ($A = Na, K, Rb$; $X = Cl, Br$). Inorganic Chemistry, 2016, 55, 12496-12499.	1.9	55
2985	Unidirectional growth and characterization of 1,3,5-triphenylbenzene single crystals. AIP Conference Proceedings, 2016, , .	0.3	1
2986	Growth, structural, optical, thermal and laser damage threshold studies of an organic single crystal: 1,3,5-triphenylbenzene (TPB). AIP Conference Proceedings, 2016, , .	0.3	0
2987	Amine-Ligated Approach for the Synthesis of Extra-Large-Pore Zinc Phosphites with qtz-h and bnn Topologies. Inorganic Chemistry, 2016, 55, 3727-3729.	1.9	19
2988	Growth and characterization of proficient second order nonlinear optical material: L-asparaginium picrate (LASP). Optics and Laser Technology, 2016, 83, 67-75.	2.2	14
2989	Synthesis, structural and optical properties, ferromagnetic behaviour, cytotoxicity and NLO activity of lithium sulphate doped l-threonine. Optics and Laser Technology, 2016, 83, 49-54.	2.2	16
2990	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze $Pb_2AgNb_5O_{15}$. Inorganic Chemistry, 2016, 55, 2864-2869.	1.9	10

#	ARTICLE	IF	CITATIONS
2991	Synthesis, growth, structure and characterization of chalcone crystal: A novel organic NLO material. <i>Journal of Molecular Structure</i> , 2016, 1118, 356-366.	1.8	16
2992	Influence of original and simulated microscopic units on SHG response in semiorganic NLO materials. <i>RSC Advances</i> , 2016, 6, 39534-39540.	1.7	9
2993	Phase Transition, Conformational Exchange, and Nonlinear Optical Third Harmonic Generation of $\text{CsP}_{2-x}\text{Se}_8$ ($x = \text{K, Rb, Cs}$). <i>Chemistry of Materials</i> , 2016, 28, 2374-2383.	3.2	19
2994	Evaluation of suitability of AMT single crystal for optical limiting applications by performing structural, dielectric, mechanical, optical and third order nonlinearity characterization studies. <i>Optics and Laser Technology</i> , 2016, 84, 107-117.	2.2	23
2995	Synthesis, crystal structure and optical properties of a new nocentrosymmetric borate: $\text{Ba}_7(\text{BO}_3)_3\text{F}_5$. <i>Materials Research Bulletin</i> , 2016, 81, 114-118.	2.7	3
2996	Polar Noncentrosymmetric $\text{ZnMoSb}_2\text{O}_7$ and Nonpolar Centrosymmetric $\text{CdMoSb}_4\text{O}_{10}$: d_{10} Transition Metal Size Effect Influencing the Stoichiometry and the Centricity. <i>Inorganic Chemistry</i> , 2016, 55, 6286-6293.	1.9	35
2997	Growth and characterization of an organic nonlinear optical material: L-Histidine malonate. <i>Optics and Laser Technology</i> , 2016, 84, 102-106.	2.2	19
2998	Synthesis, structure and properties of nonlinear optical crystal $\text{Li}(\text{H}_2\text{O})_4\text{B}(\text{OH})_4 \cdot 2\text{H}_2\text{O}$. <i>Materials Research Bulletin</i> , 2016, 83, 423-427.	2.7	5
2999	Synthesis, structural, topographical, linear and nonlinear optical, electrical and mechanical properties of Bisthiourea zinc acetate single crystal. <i>Optical Materials</i> , 2016, 57, 249-256.	1.7	9
3000	Experimental and DFT computational studies of L-alanine cadmium chloride crystals. <i>International Journal of Computational Materials Science and Engineering</i> , 2016, 05, 1630001.	0.5	0
3001	Syntheses, Structures and Properties of Co(II) and Co(II)/Zn(II) Coordination Polymers Based on Flexible Tris(imidazole) and Multicarboxylate Ligands. <i>Journal of Chemical Crystallography</i> , 2016, 46, 213-221.	0.5	5
3002	A new acentric Cd(II) metal-organic framework with 2-fold pillar-layered structure based on symmetrical flexible ligands. <i>Inorganic Chemistry Communication</i> , 2016, 70, 7-9.	1.8	4
3003	Second-order Nonlinearities of Anionic <i>Proceedings</i> , 2016, 3, S12-S20.	0.9	5
3004	Crystalline Mixed Halide Halobismuthates and Their Induced Second Harmonic Generation. <i>Chemistry of Materials</i> , 2016, 28, 4421-4431.	3.2	43
3005	$\text{Na}_2\text{ZnGe}_2\text{S}_6$: A New Infrared Nonlinear Optical Material with Good Balance between Large Second-Harmonic Generation Response and High Laser Damage Threshold. <i>Journal of the American Chemical Society</i> , 2016, 138, 7422-7428.	6.6	259
3006	BaCdSn_4 and $\text{Ba}_3\text{CdSn}_2\text{S}_8$: syntheses, structures, and non-linear optical and photoluminescence properties. <i>Dalton Transactions</i> , 2016, 45, 10681-10688.	1.6	72
3007	Nonlinear optical (NLO) properties and temperature-dependent photoluminescence in activator-doped noncentrosymmetric (NCS) bismuth tellurite solid solutions, $\text{Bi}_2\text{LnTeO}_5$ ($\text{Ln} = \text{Ce}$ and Eu). <i>Journal of Alloys and Compounds</i> , 2016, 672, 470-475.	2.8	6
3008	Growth and characterization of benzaldehyde 4-nitro phenyl hydrazone (BPH) single crystal: A proficient second order nonlinear optical material. <i>Optical Materials</i> , 2016, 54, 217-228.	1.7	22

#	ARTICLE	IF	CITATIONS
3009	Synthesis and characterization of organic nonlinear optical material: urea para-nitrophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7509-7517.	1.1	20
3010	Strong Infrared NLO Tellurides with Multifunction: CsX ^{II} ₄ In ^V ₅ Te ₁₂ (X ^{II} = Mn, Zn, Cd). <i>Inorganic Chemistry</i> , 2016, 55, 4470-4475.	1.9	47
3011	Ruddlesden-Popper Hybrid Lead Iodide Perovskite 2D Homologous Semiconductors. <i>Chemistry of Materials</i> , 2016, 28, 2852-2867.	3.2	1,607
3012	Growth and characterizations of a new semiorganic nonlinear optical material thiourea potassium hydrogen phthalate for NLO applications. <i>Materials Chemistry and Physics</i> , 2016, 177, 25-30.	2.0	10
3013	Stereoselective synthesis and properties of 1,3-bis(dicyanomethylidene)indane-5-carboxylic acid acceptor fragment containing nonlinear optical chromophores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5019-5030.	2.7	11
3014	1D to 3D and Chiral to Noncentrosymmetric Metal-Organic Complexes Controlled by the Amount of DEF Solvent: Photoluminescent and NLO Properties. <i>Inorganic Chemistry</i> , 2016, 55, 4199-4205.	1.9	30
3015	Nonlinear optical and self-activated luminescent properties of A ₂ W ₃ O ₁₀ (A = Rb and Cs). <i>RSC Advances</i> , 2016, 6, 39234-39239.	1.7	10
3016	Growth and characterization of L-threonine doped thiourea single crystals: an optical material. <i>Materials Research Innovations</i> , 2016, 20, 254-258.	1.0	7
3017	Molecular design on isoxazolone-based derivatives with large second-order harmonic generation effect and terahertz wave generation. <i>CrystEngComm</i> , 2016, 18, 3667-3673.	1.3	18
3018	A study on the linear and nonlinear optical properties of Li and NH ₄ doped potassium pentaborate crystals. <i>Materials Letters</i> , 2016, 178, 100-103.	1.3	18
3019	Mechano-induced multi-functional optical switches based on chiral cyclometalated platinum(II) complexes. <i>Inorganica Chimica Acta</i> , 2016, 442, 56-63.	1.2	14
3020	Trigonal Planar [HgSe ₃] ⁴⁻ Unit: A New Kind of Basic Functional Group in IR Nonlinear Optical Materials with Large Susceptibility and Physicochemical Stability. <i>Journal of the American Chemical Society</i> , 2016, 138, 6135-6138.	6.6	168
3021	Growth and characterization of amino acids doped sodium acid phthalate single crystals. <i>Materials Research Innovations</i> , 2016, 20, 293-299.	1.0	9
3022	Syntheses, structures and catalytic properties of chiral Co(II) coordination polymers based on (R)-4-(4-(1-carboxyethoxy)phenoxy)benzoic acid. <i>Polyhedron</i> , 2016, 112, 61-66.	1.0	10
3023	Crystallization, structural and nonlinear optical studies on bithiourea lithium potassium sulphate single crystal. <i>Journal of Optics (India)</i> , 2016, 45, 136-140.	0.8	1
3024	A study on the properties of potassium pentaborate crystals. <i>Optik</i> , 2016, 127, 5365-5369.	1.4	29
3025	Synthesis and characterization of semi-organic nonlinear optical material: Sodium para-nitrophenolate para-nitrophenol dihydrate. <i>Optik</i> , 2016, 127, 6982-6990.	1.4	8
3026	Structural, thermal, linear and nonlinear optical studies of an organic optical limiter based on reverse saturable absorption. <i>Journal of Molecular Structure</i> , 2016, 1119, 167-176.	1.8	16

#	ARTICLE	IF	CITATIONS
3027	Growth and characterization of inorganic non linear optical Barium Calcium Borate (BCB) crystal. <i>Materials Letters</i> , 2016, 178, 264-267.	1.3	12
3028	$\text{AMgPO}_4 \cdot 6\text{H}_2\text{O}$ (A = Rb, Cs): strong SHG responses originated from orderly PO_4 groups. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9219-9226.	2.7	44
3029	Growth, Properties, and Theoretical Analysis of $\text{KBa}_2(\text{PO}_3)_5$ Single Crystal. <i>Crystal Growth and Design</i> , 2016, 16, 5588-5592.	1.4	43
3030	Crystallographic Investigations into Properties of Acentric Hybrid Perovskite Single Crystals $\text{NH}(\text{CH}_3)_3\text{SnX}_3$ (X = Cl, Br). <i>Chemistry of Materials</i> , 2016, 28, 6968-6974.	3.2	92
3031	Luminescence and Nonlinear Optical Properties in Copper(I) Halide Extended Networks. <i>Inorganic Chemistry</i> , 2016, 55, 11408-11417.	1.9	40
3032	A newer approach of growing methyl-p-hydroxybenzoate (p-MHB) single crystals from a melt without a polymorphic change in their form. <i>CrystEngComm</i> , 2016, 18, 8237-8245.	1.3	11
3033	$\text{Pb}_2\text{BO}_3\text{Cl}$: A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. <i>Angewandte Chemie</i> , 2016, 128, 12257-12261.	1.6	119
3034	Bis (thiourea) strontium chloride as promising NLO material: An experimental and theoretical study. <i>Karbala International Journal of Modern Science</i> , 2016, 2, 219-225.	0.5	23
3035	$\text{Rb}_2\text{SeOCl}_4 \cdot \text{H}_2\text{O}$: a polar material among the alkali metal selenite halides with a strong SHG response. <i>Dalton Transactions</i> , 2016, 45, 17723-17728.	1.6	15
3036	Growth and characterization of an organic nonlinear optical material lauric acid crystal. <i>Materials Research Express</i> , 2016, 3, 105101.	0.8	11
3037	Synthesis, crystal growth and characterization of di-valine maleic – a new nonlinear optical material. <i>RSC Advances</i> , 2016, 6, 99139-99148.	1.7	16
3038	Three-Dimensional Non-Centrosymmetric Ba(II)/Li(I) Imidazolecarboxylate Coordination Polymers: Second Harmonic Generation and Blue Fluorescence. <i>Crystal Growth and Design</i> , 2016, 16, 6654-6662.	1.4	11
3039	Spectroscopic, Quantum Chemical, Physical and Antioxidant Studies on 2-Amino 4-Picolinium 4-Nitrobenzoate – An Organic Crystal for Nonlinear Optical and Biological Applications. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1655-1680.	1.4	4
3040	Gamma irradiation effects on crystalline and optical properties of pure and doped Potassium Hydrogen Phthalate (KHP) single crystals. <i>Optik</i> , 2016, 127, 11649-11656.	1.4	14
3041	Syntheses of six and twelve membered borophosphate ring structure with nonlinear optical activity. <i>Journal of Solid State Chemistry</i> , 2016, 243, 259-266.	1.4	11
3042	Alkali metal alkaline earth metal borate crystal $\text{LiBa}_3(\text{OH})(\text{B}_9\text{O}_{16})[\text{B}(\text{OH})_4]$ as a new deep-UV nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8189-8196.	2.7	29
3043	Recent progress in acentric core structures for highly efficient nonlinear optical crystals and their supramolecular interactions and terahertz applications. <i>CrystEngComm</i> , 2016, 18, 7180-7203.	1.3	76
3044	High Second-Order NLO Response Exhibited by the First Example of Polymeric Film Incorporating a Diimine-Dithiolate Square-Planar Complex: The $[\text{Ni}(\text{phen})(\text{bdt})]$. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19286-19294.	1.5	3

#	ARTICLE	IF	CITATIONS
3045	Role of the metal cation types around VO ₄ groups on the nonlinear optical behavior of materials: experimental and theoretical analysis. Dalton Transactions, 2016, 45, 14394-14402.	1.6	16
3046	K ₃ B ₃ O ₄ (OH) ₄ ·2H ₂ O: A UV Nonlinear Optical Crystal with Isolated [B ₃ O ₄ (OH) ₄] ³⁻ Anion Groups. Inorganic Chemistry, 2016, 55, 8744-8749.	1.9	20
3047	La ₂ SrCr ₂ O ₇ : Controlling the Tilting Distortions of <i>n</i> = 2 Ruddlesden-Popper Phases through A-Site Cation Order. Inorganic Chemistry, 2016, 55, 8951-8960.	1.9	21
3048	Crystal growth, vibrational, optical, thermal and theoretical studies of a nonlinear optical material: 2-Methyl 3,5-dinitrobenzoic acid. Physica B: Condensed Matter, 2016, 501, 5-17.	1.3	7
3049	Synthesis, growth, optical and DFT calculation of 2-naphthol derived Mannich base organic non linear optical single crystal for frequency conversion applications. Physica B: Condensed Matter, 2016, 501, 45-56.	1.3	13
3050	closo-Boranes as Structural Elements for Liquid Crystals. , 2016, , 339-374.		2
3051	Growth, optical and electrical properties of l-lysine-L-tartaric acid (LLLT) nonlinear optical single crystals for electro-optic applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 12719-12728.	1.1	2
3052	Growth, Optical, Dielectric and Ferroelectric Properties of Non-Linear Optical Single Crystal: Glycine-Phthalic Acid. Journal of Electronic Materials, 2016, 45, 5904-5909.	1.0	20
3053	A systematic study on electrical and physical properties of calcium bis-thiourea chloride crystal. Optik, 2016, 127, 9734-9737.	1.4	20
3054	Enhancement of second harmonic generation efficiency, laser damage threshold and optical properties of cobalt chloride doped with L-alanine single crystal. Journal of Nonlinear Optical Physics and Materials, 2016, 25, 1650017.	1.1	17
3055	Characterization of potassium bromide crystals grown in the aqueous solution of picric acid. Physica B: Condensed Matter, 2016, 502, 32-38.	1.3	5
3056	Spectral, linear and nonlinear optical, electrical, mechanical behaviour of sodium succinate crystal. Materials Research Express, 2016, 3, 096201.	0.8	3
3057	A series of new silver selenites with d ⁰ -TM cations. RSC Advances, 2016, 6, 79681-79687.	1.7	17
3058	Pb ₂ BO ₃ Cl: A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. Angewandte Chemie - International Edition, 2016, 55, 12078-12082.	7.2	315
3059	Effect of Partial Replacement of Zn with Cd on Optical Properties of Zinc Thiourea Chloride (ZTC) Crystal. Procedia Technology, 2016, 24, 715-720.	1.1	7
3060	Synthesis and characterisation of transition metal doped <i>l</i> -cysteine hydrochloride monohydrate single crystal by conventional and unidirectional method and its comparative study. Materials Research Innovations, 2016, 20, 538-544.	1.0	7
3061	Investigation on structural, UV-visible, SHG efficiency, dielectric, mechanical and thermal behavior of L-cystine doped zinc thiourea sulphate crystal for NLO device applications. International Journal of Modern Physics B, 2016, 30, 1650159.	1.0	21
3062	A new nonlinear optical silicate carbonate K ₂ Ca[Si ₂ O ₅](CO ₃) with a hybrid structure of kalsilite and soda-like layered fragments. Solid State Sciences, 2016, 60, 23-27.	1.5	2

#	ARTICLE	IF	CITATIONS
3063	Growth, spectral, thermal, laser damage threshold, microhardness, dielectric, linear and nonlinear optical properties of an organic single crystal: L-phenylalanine DL-mandelic acid. <i>Physica B: Condensed Matter</i> , 2016, 503, 25-31.	1.3	77
3064	Synthesis and Characterization of a Novel Nonlinear Optical Material Mg ₂ Na ₂ ZnB ₄ O ₁₀ . <i>Procedia Technology</i> , 2016, 24, 682-688.	1.1	4
3065	Investigation on nonlinear optical and dielectric properties of L-arginine doped ZTC crystal to explore photonic device applications. <i>Materials Science-Poland</i> , 2016, 34, 548-554.	0.4	16
3066	Deep-Ultraviolet Transparent Cs ₂ LiPO ₄ Exhibits an Unprecedented Second Harmonic Generation. <i>Chemistry of Materials</i> , 2016, 28, 7110-7116.	3.2	130
3067	Growth and characterization of bimetallic (Na and K) phthalate single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	1
3068	Synthesis, Structure, and Properties of a Series of Chiral Coordination Polymers Based on (<i>R</i>)-4-(4-(1-Carboxyethoxy)phenoxy)-3-chlorobenzoic Acid. <i>Crystal Growth and Design</i> , 2016, 16, 5669-5677.	1.4	17
3069	Syntheses, structures and investigation of the properties of mercury coordination polymers based on 5-amino-tetrazolate ligands. <i>CrystEngComm</i> , 2016, 18, 7865-7872.	1.3	18
3070	Spontaneous chiral resolution and hierarchical directing effects of two-winged propeller-like SDAs on the construction of noncentrosymmetric iodoargentates/iodocuprates. <i>RSC Advances</i> , 2016, 6, 87628-87636.	1.7	14
3071	Titanosilicates with Strong Phase-Matched Second Harmonic Generation Responses. <i>Journal of the American Chemical Society</i> , 2016, 138, 9061-9064.	6.6	58
3072	Growth and characterisation of <sc>L</sc>-lysine hydrochlorobromide (LYHCB _r), a novel semiorganic non-linear optical (NLO) single crystal. <i>Materials Research Innovations</i> , 2016, 20, 177-181.	1.0	10
3073	A New Deep-Ultraviolet Transparent Orthophosphate LiCs ₂ PO ₄ with Large Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2016, 138, 9101-9104.	6.6	307
3074	Growth and characterization of Bis(l-threonine) copper (II) monohydrate single crystals: A semiorganic second order nonlinear optical material. <i>Optical Materials</i> , 2016, 62, 357-365.	1.7	30
3075	“All-Three-in-One” A New Bismuth-Tellurium Borate Bi ₃ TeBO ₉ Exhibiting Strong Second Harmonic Generation Response. <i>Journal of the American Chemical Society</i> , 2016, 138, 14190-14193.	6.6	185
3076	KPb ₂ (PO ₃) ₅ : a novel nonlinear optical lead polyphosphate with a short deep-UV cutoff edge. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10630-10637.	2.7	88
3077	Crystal growth, perfection, linear and nonlinear optical, photoconductivity, dielectric, thermal and laser damage threshold properties of 4-methylimidazolium picrate: an interesting organic crystal for photonic and optoelectronic devices. <i>Materials Research Express</i> , 2016, 3, 106203.	0.8	9
3078	Structure-Property Relationships in Click-Derived Donor-Triazole-Acceptor Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 18887-18898.	1.7	22
3079	The mechanism of large second harmonic generation enhancement activated by Zn ²⁺ substitution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32931-32936.	1.3	31
3080	Chemical engineering of mixed halide hexaborates as nonlinear optical materials. <i>RSC Advances</i> , 2016, 6, 107810-107815.	1.7	5

#	ARTICLE	IF	CITATIONS
3081	A Polar Titanium-Organic Chain with a Very Large Second-Harmonic-Generation Response. <i>Inorganic Chemistry</i> , 2016, 55, 11635-11638.	1.9	5
3082	Studies on growth and characterization of nonlinear optical L-tartaric acid-nicotinamide single crystal. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016, 25, 1650037.	1.1	12
3083	Toward the Rational Design of Novel Noncentrosymmetric Materials: Factors Influencing the Framework Structures. <i>Accounts of Chemical Research</i> , 2016, 49, 2774-2785.	7.6	457
3084	Glucuronic acid β -lactone: an organic nonlinear optical crystal with high laser-induced damage threshold. <i>Optical Engineering</i> , 2016, 56, 011025.	0.5	3
3085	Synthesis, growth, optical and anisotropic mechanical behaviour of organic nonlinear optical imidazolium 2-chloro-4-nitrobenzoate single crystals. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	16
3086	Crystal growth and optical characteristics of beryllium-free polyphosphate, $\text{KLa}(\text{PO}_3)_4$, a possible deep-ultraviolet nonlinear optical crystal. <i>Scientific Reports</i> , 2016, 6, 25201.	1.6	81
3087	The effect of indium substitution on the structure and NLO properties of $\text{Ba}_6\text{Cs}_2\text{Ga}_{10}\text{Se}_{20}\text{Cl}_4$. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 952-958.	3.0	34
3088	Chiral polyoxomolybdate-based hybrid compounds obtained by spontaneous resolution: syntheses, structures and non-linear optical properties. <i>New Journal of Chemistry</i> , 2016, 40, 10316-10324.	1.4	8
3089	Tunable ultraviolet and blue light generation from Nd:YAB random laser bolstered by second-order nonlinear processes. <i>Scientific Reports</i> , 2016, 6, 27107.	1.6	24
3090	Growth, physicochemical and quantum chemical investigations on 2-amino 5-chloropyridinium 4-carboxybutanoate an organic crystal for biological and optoelectronic device applications. <i>RSC Advances</i> , 2016, 6, 110884-110897.	1.7	58
3091	Theoretical and experimental determination of the crystal structures of cesium-molybdenum chloride. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 075502.	0.8	12
3092	Nonlinear optical response mechanism of noncentrosymmetric lead borate $\text{Pb}_6[\text{B}_4\text{O}_7(\text{OH})_2]_3$ with three crystallographically independent $[\text{B}_4\text{O}_7(\text{OH})_2]^{4-}$ chains. <i>RSC Advances</i> , 2016, 6, 100849-100856.	1.7	6
3093	Bulk growth, structure, optical properties and laser damage threshold of organic nonlinear optical crystals of Imidazolium L-Ascorbate. , 2016, , .		0
3094	Differences and Similarities between Lanthanum and Rare-Earth Iodate Anhydrous Polymorphs: Structures, Thermal Behaviors, and Luminescent Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11264-11272.	1.9	8
3095	Crystal structures and related to noncentrosymmetry properties of 4-aminomorpholinium salts. <i>Chemical Physics Letters</i> , 2016, 665, 31-35.	1.2	6
3096	Strong Nonlinear-Optical Response in the Pyrophosphate $\text{CsLiCdP}_2\text{O}_7$ with a Short Cutoff Edge. <i>Inorganic Chemistry</i> , 2016, 55, 11626-11629.	1.9	55
3097	Hierarchical construction of SHG-active polar crystals by using multi-component crystals. <i>Chemical Communications</i> , 2016, 52, 13710-13713.	2.2	4
3098	Variation of Morphotropic Phase Boundary with the Bi Deficiency on (Ba, Ce)-co-substituted Sodium Bismuth Titanate. <i>Transactions of the Materials Research Society of Japan</i> , 2016, 41, 169-173.	0.2	1

#	ARTICLE	IF	CITATIONS
3099	Structural and optical properties of Cd ²⁺ ion on the growth of sulphamic acid single crystals. AIP Conference Proceedings, 2016, . .	0.3	0
3100	Structure, spectral, electrical, and second harmonic generation studies of Fe ³⁺ doped MnS single crystals. Cogent Chemistry, 2016, 2, 1269599.	2.5	4
3101	Molecular Dynamics of Flexible Polar Cations in a Variable Confined Space: Toward Exceptional Two-Step Nonlinear Optical Switches. Advanced Materials, 2016, 28, 5886-5890.	11.1	184
3102	Precise Urea/Water Eutectic Composition by Temperature-Resolved Second Harmonic Generation. Chemical Engineering and Technology, 2016, 39, 1326-1332.	0.9	11
3103	Incorporation of hafnium (IV) into KTP framework from phosphate-fluoride fluxes. Crystal Research and Technology, 2016, 51, 178-182.	0.6	7
3104	Studies on the optical, thermal, electrical and dielectric properties of 5-chloro-2(3H)benzoxazolone Picrate: a new nonlinear optical crystal. Journal of Optics (India), 2016, 45, 331-336.	0.8	2
3105	Noncentrosymmetric selenide Ba ₄ Ga ₄ GeSe ₁₂ : Synthesis, structure, and optical properties. Journal of Solid State Chemistry, 2016, 241, 131-136.	1.4	6
3106	A Deep-Ultraviolet Nonlinear Optical Crystal: Strontium Beryllium Borate Fluoride with Planar Be(O/F) ₃ Groups. Chemistry of Materials, 2016, 28, 4563-4571.	3.2	47
3107	Growth, optical, thermal, mechanical and electrical properties of anhydrous sodium formate single crystals. Current Applied Physics, 2016, 16, 1030-1039.	1.1	10
3108	Experimental and theoretical studies on the linear and nonlinear optical properties of lead phosphate crystals LiPbPO ₄ . Physical Chemistry Chemical Physics, 2016, 18, 19123-19129.	1.3	61
3109	Molecular docking and structural analysis of non-opioid analgesic drug acemetacin with halogen substitution: A DFT approach. Journal of Molecular Structure, 2016, 1123, 180-190.	1.8	14
3110	Nano/micro Sr ₂ Bi ₄ Ti ₅ O ₁₈ crystallites: Size dependent structural, second harmonic and piezoelectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 211, 101-109.	1.7	13
3111	Optical, electrical and photoelectric properties of layered-perovskite ferroelectric Bi ₂ WO ₆ crystals. Journal of Materials Chemistry C, 2016, 4, 7563-7570.	2.7	48
3112	Crystal growth and DFT insight on sodium para- nitrophenolate para- nitrophenol dihydrate single crystal for NLO applications. Journal of Molecular Structure, 2016, 1125, 1-11.	1.8	24
3113	Synthesis, crystal growth and characterizations of bis (l-proline) cadmium iodide: a new semi-organic nonlinear optical material. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	10
3114	[A ₃][Ca ₃ PS ₈] (A = K, Rb; X = Cl, Br): promising IR non-linear optical materials exhibiting concurrently strong second-harmonic generation and high laser induced damage thresholds. Chemical Science, 2016, 7, 6273-6277.	3.7	167
3115	A study of the piezoelectric resonance in organic single crystal: glucuronic acid ¹³ C-lactone. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	3
3116	Growth, structural, thermal, electrical and nonlinear optical properties of Yb ³⁺ doped KTiOPO ₄ . Journal of Crystal Growth, 2016, 445, 84-89.	0.7	10

#	ARTICLE	IF	CITATIONS
3117	Synthesis, Characterization, and Theoretical Studies of (Pb ₄ O)Pb ₂ B ₆ O ₁₄ : A New Lead(II) Borate with Isolated Oxygen-Centered Pb ₄ O Tetrahedra and Large Second Harmonic Generation Response. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12757-12764.	1.5	39
3118	Growth and characterization of dexteros nonlinear optical material: Dimethyl amino pyridinium 4-nitrophenolate 4-nitrophenol (DMAPNP). <i>Optical Materials</i> , 2016, 58, 327-341.	1.7	24
3119	LiNa ₅ Mo ₉ O ₃₀ : Crystal Growth, Linear, and Nonlinear Optical Properties. <i>Chemistry of Materials</i> , 2016, 28, 4483-4491.	3.2	61
3120	Is CH ₃ NH ₃ PbI ₃ Polar?. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2412-2419.	2.1	134
3121	Synthesis, growth and characterization of (tri) glycine barium chloride single crystal for applications in the domain of optoelectronics and photonics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10113-10121.	1.1	12
3122	Face-Shared Octahedral Dimer In ₂ O ₇ S ₂ in the Non-Centrosymmetric Barium Indiumsilicate Oxysulfide Ba ₂ In ₂ Si ₃ O ₁₀ S. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1846-1850.	1.0	8
3123	Role of charge transfer on the nonlinear optical properties of donor-acceptor (D-A) conjugated schiffbases with DFT approach. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 436-442.	0.9	4
3124	Supramolecular Interactions Induced Chirality Transmission, Second Harmonic Generation Responses, and Photoluminescent Property of a Pair of Enantiomers from in Situ [2 + 3] Cycloaddition Synthesis. <i>Crystal Growth and Design</i> , 2016, 16, 1559-1564.	1.4	18
3125	A new potential nonlinear optical hybrid semi-organic crystal of ZnMnCl ₄ (TPPO) ₄ with attractive physical properties. <i>CrystEngComm</i> , 2016, 18, 1818-1824.	1.3	8
3126	Contemporary studies on growth and characterization of bis (thiourea) strontium chloride—A potential optoelectronic NLO material. <i>Optik</i> , 2016, 127, 3582-3589.	1.4	15
3127	The crystal design of polar one-dimensional hydrogen-bonded copper coordination complexes. <i>Dalton Transactions</i> , 2016, 45, 3398-3406.	1.6	4
3128	Synthesis, growth and characterization of a new hydrogen bonded organic tosylate crystal: l-alaninium p-toluenesulfonate for second order nonlinear optical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4578-4589.	1.1	37
3129	Growth and characterization of d-alanine alaninium bromide crystals. <i>Optik</i> , 2016, 127, 3597-3601.	1.4	9
3130	Thermal and optical studies of NLO active single crystal: Nicotinic l-tartaric. <i>Optik</i> , 2016, 127, 2946-2949.	1.4	0
3131	Conformational, vibrational spectroscopic, nonlinear optical activity, and structure-activity studies on 2-hydroxy-3,5-dinitropyridine: Combined experimental and density functional theory approach. <i>Spectroscopy Letters</i> , 2016, 49, 155-166.	0.5	20
3132	Synthesis, growth, structural, optical, thermal, dielectric and mechanical studies of piperidinium p-nitrophenolate single crystals. <i>Optik</i> , 2016, 127, 3024-3029.	1.4	8
3133	An organic-inorganic hybrid co-crystal complex as a high-performance solid-state nonlinear optical switch. <i>Journal of Materials Chemistry C</i> , 2016, 4, 266-271.	2.7	43
3134	Investigations on the effect of transition metals on the growth and characterization of sodium acid phthalate single crystals. <i>Optik</i> , 2016, 127, 2419-2423.	1.4	8

#	ARTICLE	IF	CITATIONS
3135	A zeolite CAN-type aluminoborate with gigantic 24-ring channels. <i>Chemical Communications</i> , 2016, 52, 1729-1732.	2.2	44
3136	Investigations on the Low Temperature Solution growth, etching, laser damage threshold, Photoluminescence, electrical characterization and nonlinear optical properties of organic material: Ammonium hydrogen l-malate. <i>Optik</i> , 2016, 127, 1685-1689.	1.4	7
3137	Characterization of a potential nonlinear optical material: Sodium fluoride additive on ammonium dihydrogen orthophosphate single crystals. <i>Optik</i> , 2016, 127, 1922-1925.	1.4	5
3138	Growth, optical and thermal studies on novel nonlinear optical crystal: Glycine-phthalic acid (GPA). <i>Optik</i> , 2016, 127, 2509-2511.	1.4	4
3139	Effect of intercalation and chromophore arrangement on the linear and nonlinear optical properties of model aminopyridine push-pull molecules. <i>Journal of Materials Chemistry C</i> , 2016, 4, 468-478.	2.7	40
3140	Crystalline perfection, thermal, optical and dielectric studies on organic L-alanine L-alaninium picrate monohydrate single crystals. <i>Materials Research Innovations</i> , 2016, 20, 138-144.	1.0	3
3141	Optical and thermal study of caesium chloride doped L-threonine single crystal for nonlinear optical applications. <i>Materials Research Innovations</i> , 2016, 20, 128-132.	1.0	3
3142	Second-Order Nonlinear Optical Susceptibilities of Metal-Organic Frameworks Using a Combined Local Field Theory/Charge Embedding Electrostatic Scheme. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6741-6749.	1.5	19
3143	$\text{Li}_3\text{Cs}_2\text{M}_2\text{B}_3\text{P}_6\text{O}_{24}$ (M = Pb), $\text{TjETQqO}_0\text{O}_0\text{rgBT}/\text{Overlock}$ [BP_2O_8] $^{\sim}$. <i>Dalton Transactions</i> , 2016, 45, 7124-7130.	1.6	17
3144	Synthesis, Crystal Structure, and NLO Property of the Chiral Sulfide Sm_4InSb_9 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 56-59.	0.6	12
3145	Molecular Engineering as an Approach To Design a New Beryllium-Free Fluoride Carbonate as a Deep-Ultraviolet Nonlinear Optical Material. <i>Chemistry of Materials</i> , 2016, 28, 2301-2307.	3.2	85
3146	Electronic, Crystal Chemistry, and Nonlinear Optical Property Relationships in the Dugganite $\text{A}_3\text{B}_3\text{CD}_2\text{O}_{14}$ Family. <i>Journal of the American Chemical Society</i> , 2016, 138, 4984-4989.	6.6	118
3147	Optical non-linearity tuning in $\text{Ca}_8\text{-PbMBi(VO}_4)_7$ whitlockite-type systems. <i>Journal of Alloys and Compounds</i> , 2016, 674, 323-330.	2.8	17
3148	Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-nitropyridinium sulfamate (2A5NPS) by assembled temperature reduction (ATR) method. <i>Optical Materials</i> , 2016, 55, 153-159.	1.7	25
3149	$\text{K}_2\text{Sn}_2\text{ZnSe}_6$, $\text{Na}_2\text{Ge}_2\text{ZnSe}_6$, and $\text{Na}_2\text{In}_2\text{GeSe}_6$: a new series of quaternary selenides with intriguing structural diversity and nonlinear optical properties. <i>Dalton Transactions</i> , 2016, 45, 7627-7633.	1.6	32
3150	Synthesis, crystal structure, chiroptical and ferroelectric properties of a multifunctional chiral silver(I) complex based on the chiral bis-bidentate bridging ligand. <i>Inorganica Chimica Acta</i> , 2016, 444, 221-225.	1.2	7
3151	Optical investigations on Tb ³⁺ doped l-Histidine hydrochloride mono hydrate single crystals grown by low temperature solution techniques. <i>Optical Materials</i> , 2016, 54, 74-83.	1.7	12
3152	$\text{NaBa}_4(\text{GaB}_4\text{O}_9)_2\text{X}_3$ (X = Cl, Br) with NLO-Active GaO_4 Tetrahedral Unit: Experimental and ab Initio Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6190-6197.	1.5	22

#	ARTICLE	IF	CITATIONS
3153	Growth, structural, optical, thermal and mechanical properties of cytosinium hydrogen selenite: A novel nonlinear optical single crystal. <i>Materials Research Bulletin</i> , 2016, 78, 96-102.	2.7	8
3154	Construction of Chiral Polar Crystals from Achiral Molecules by Stacking Control of Hydrogen-Bonded Layers Using Type II Halogen Bonds. <i>Crystal Growth and Design</i> , 2016, 16, 1626-1635.	1.4	32
3155	RbIO ₃ and RbIO ₂ F ₂ : Two Promising Nonlinear Optical Materials in Mid-IR Region and Influence of Partially Replacing Oxygen with Fluorine for Improving Laser Damage Threshold. <i>Chemistry of Materials</i> , 2016, 28, 1413-1418.	3.2	107
3156	Growth of organic nonlinear optical (NLO) ammonium D,L-tartrate (AMT) single crystal by conventional and unidirectional method and its characterization. <i>Materials Research Innovations</i> , 2016, 20, 67-75.	1.0	4
3157	Hyperpolarizability, Hirshfeld, and density functional theory computations of a nonlinear optical picrate. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 625, 238-252.	0.4	3
3158	Studies of l-malic acid doped ZTS crystals grown by solution method. <i>Optik</i> , 2016, 127, 4928-4931.	1.4	5
3159	Synthesis, growth, structural, optical, thermal and mechanical properties of an organic Urea maleic acid single crystals for nonlinear optical applications. <i>Optics and Laser Technology</i> , 2016, 81, 145-152.	2.2	27
3160	Growth and properties of semi-organic nonlinear optical crystal: L-Glutamic acid hydrochloride. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 24-31.	1.8	39
3161	Functionalized organic frameworks explored as second order NLO agents. <i>Journal of Chemical Sciences</i> , 2016, 128, 297-309.	0.7	2
3162	Studies on the growth, spectral, thermal, and optical properties of l-arginine adipate crystal. <i>Optik</i> , 2016, 127, 2495-2499.	1.4	7
3163	Synthesis, growth, structural, spectral, thermal and microhardness studies of a new hydrogen bonded organic nonlinear optical material: L-valinium p-toluenesulfonate monohydrate (LVPT). <i>Journal of Molecular Structure</i> , 2016, 1112, 71-80.	1.8	25
3164	Structural, magnetic and optical properties of two concomitant molecular crystals. <i>Solid State Sciences</i> , 2016, 53, 37-43.	1.5	1
3165	New Series of Polar and Nonpolar Platinum Iodates A ₂ Pt(IO ₃) ₆ (A) Tj ETQqQ 0 0 rgBT JOverlock 1	1.9	30
3166	Growth and characterization of amino based organic nonlinear optical l-Lysine-l-Aspartate (LLA) single crystal for electro-optic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5006-5015.	1.1	24
3167	Designing a Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material without a Structural Instability Problem. <i>Journal of the American Chemical Society</i> , 2016, 138, 2961-2964.	6.6	220
3168	K ₈ (K ₅ F)U ₆ Si ₈ O ₄₀ : An Intergrowth Uranyl Silicate. <i>Inorganic Chemistry</i> , 2016, 55, 3215-3217.	1.9	25
3169	Growth and characterization of morpholinium dihydrogenphosphate single crystal. <i>Journal of Crystal Growth</i> , 2016, 452, 220-225.	0.7	13
3170	The structure and band gap design of high Si doping level Ag _{1-x} Ga _x Si ₆ Se ₂ (x=1/2). <i>Journal of Solid State Chemistry</i> , 2016, 238, 21-24.	1.4	16

#	ARTICLE	IF	CITATIONS
3171	Polar Order and Frustrated Antiferromagnetism in Perovskite Pb_2MnWO_6 Single Crystals. <i>Inorganic Chemistry</i> , 2016, 55, 2791-2805.	1.9	23
3172	Synthesis, crystal structure, magnetic properties and second harmonic generation of a new noncentrosymmetric coordination compound: Triqua(4-amino-6-methoxypyrimidine) cuprate(II)sulfate. <i>Chinese Chemical Letters</i> , 2016, 27, 896-900.	4.8	8
3173	Powders Analysis by Second Harmonic Generation Microscopy. <i>Analytical Chemistry</i> , 2016, 88, 3853-3863.	3.2	19
3174	Remarkable effect of Ni^{2+} doping on structural, second harmonic generation, optical, mechanical and dielectric properties of KDP single crystals. <i>Physica B: Condensed Matter</i> , 2016, 491, 1-11.	1.3	4
3175	Recent development of metal borate halides: Crystal chemistry and application in second-order NLO materials. <i>Coordination Chemistry Reviews</i> , 2016, 323, 15-35.	9.5	272
3176	Spontaneous Resolution of Evans' Showell-Type Polyoxometalates in Constructing Chiral Inorganic-Organic Hybrid Architectures. <i>Inorganic Chemistry</i> , 2016, 55, 144-153.	1.9	32
3177	Growth and characterization of trithiourea lanthanum chloride crystals. <i>Optik</i> , 2016, 127, 2251-2254.	1.4	4
3178	Growth, structural, optical and thermal properties of an organic NLO material: l-Argininium hydrogen squarate. <i>Optik</i> , 2016, 127, 1660-1664.	1.4	1
3179	Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-Nitropyridinium Dihydrogen Phosphate (2A5NPDP) by Sankaranarayanan's Ramasamy method. <i>Optik</i> , 2016, 127, 2187-2192.	1.4	13
3180	Influence of urea doping on optical, thermal, mechanical and electrical properties of l-arginine phosphate monohydrate crystals for NLO applications. <i>Optik</i> , 2016, 127, 3322-3328.	1.4	12
3181	Growth and characterization of high proficient second order nonlinear optical material: l-Valinium Picrate. <i>Optical Materials</i> , 2016, 52, 75-86.	1.7	11
3182	$\text{Li}_3\text{AlSiO}_5$: the first aluminosilicate as a potential deep-ultraviolet nonlinear optical crystal with the quaternary diamond-like structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4362-4369.	1.3	40
3183	Synthesis and characterization of CsSrCO_3F a beryllium-free new deep-ultraviolet nonlinear optical material. <i>New Journal of Chemistry</i> , 2016, 40, 2243-2248.	1.4	34
3184	Preparation, nonlinear optical properties, and theoretical analysis of the non-centrosymmetric bismuth oxyfluoride, $\text{Bi}_7\text{F}_{11}\text{O}_5$. <i>Journal of Alloys and Compounds</i> , 2016, 658, 788-794.	2.8	23
3185	Physicochemical properties of dimethylammonium p-nitrophenolate p-nitrophenol: A nonlinear optical crystal. <i>Physica B: Condensed Matter</i> , 2016, 485, 29-34.	1.3	11
3186	$\text{Pb}_4(\text{OH})_4(\text{BrO}_3)_3(\text{NO}_3)_3$: An Example of SHG Crystal in Metal Bromates Containing π -Conjugated Planar Triangle. <i>Inorganic Chemistry</i> , 2016, 55, 948-955.	1.9	48
3187	Two potential self-activated orthoborates $\text{Cd}_4\text{NdO}(\text{BO}_3)_3$ and $\text{Ca}_3\text{Nd}_3(\text{BO}_3)_5$: growth, crystal structures and optical properties. <i>New Journal of Chemistry</i> , 2016, 40, 2057-2062.	1.4	8
3188	A new acentric borate of $\text{K}_2\text{Ba}[\text{B}_4\text{O}_5(\text{OH})_4]_2 \cdot 10\text{H}_2\text{O}$: synthesis, structure and nonlinear optical property. <i>Phase Transitions</i> , 2016, 89, 996-1005.	0.6	5

#	ARTICLE	IF	CITATIONS
3189	Bidenticity-Enhanced Second Harmonic Generation from Pb Chelation in $\text{Pb}_3\text{Mg}_3\text{TeP}_2\text{O}_{14}$. Journal of the American Chemical Society, 2016, 138, 88-91.	6.6	143
3190	Three new phosphates with isolated P_2O_7 units: noncentrosymmetric $\text{Cs}_2\text{Ba}_3(\text{P}_2\text{O}_7)_2$ and centrosymmetric $\text{Cs}_2\text{BaP}_2\text{O}_7$ and $\text{LiCsBaP}_2\text{O}_7$. Dalton Transactions. 2016, 45, 3936-3942.	1.6	62
3191	Crystal growth, structural, thermal and optical studies of a new nonlinear coordination complex of cerium with malonic acid. Optik, 2016, 127, 2197-2201.	1.4	1
3192	Growth, linear optical constants and photoluminescence characteristics of beta-alaninium picrate (BAP) crystals. Optik, 2016, 127, 3192-3199.	1.4	33
3193	Effect of rare earth Nd^{3+} ion on the growth, structural, spectral, optical and mechanical properties of piperidinium p-hydroxybenzoate single crystals. Optik, 2016, 127, 1087-1093.	1.4	1
3194	Effects of 1,2-dichloroethane on the optical, thermal, mechanical and NLO behaviors of ADP crystals. Optik, 2016, 127, 781-786.	1.4	2
3195	Synthesis, growth and optical studies of novel organometallic NLO crystal: Calcium bis-thiourea chloride. Optik, 2016, 127, 2137-2142.	1.4	60
3196	Growth, spectral, mechanical, thermal and dielectric studies of undoped and rhodamine-B doped l-alanine acetate crystals. Optik, 2016, 127, 2764-2770.	1.4	6
3197	Investigations on growth and characterization of glycine admixture sodium molybdate crystals for nonlinear optical applications. Optik, 2016, 127, 1708-1713.	1.4	5
3198	Growth, electronic structure and properties of $\text{Rb}_2\text{Ti}_{1.95}\text{Yb}_{0.05}(\text{PO}_4)_3$ crystals. Journal of Alloys and Compounds, 2016, 660, 356-360.	2.8	14
3199	(E)-N ² -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide (4CBTH) – Synthesis and characterization of organic NLO crystal. Journal of Crystal Growth, 2016, 452, 189-197.	0.7	4
3200	Crystal growth, solubility, structural, optical, thermal, mechanical and electrical studies of l-arginium adipate: An organic nonlinear optical material. Optik, 2016, 127, 1372-1377.	1.4	8
3201	Growth, structure and optical properties of nonlinear optical crystal BaZnBO_3F . Journal of Solid State Chemistry, 2016, 233, 58-61.	1.4	27
3202	Effects of semi-organic additives on the solubility, growth, optical, thermal, mechanical, dielectric and NLO behaviors of ADP crystals for optoelectronic applications. Optik, 2016, 127, 1463-1470.	1.4	4
3203	Unidirectional growth of large size urea doped l-cysteine hydrochloride monohydrate NLO organic crystal and investigations of its crystalline and optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 16-21.	2.0	12
3204	Growth and characterization of the semiorganic nonlinear optical crystal: Diglycine ammonium sulfate. Optik, 2016, 127, 1401-1404.	1.4	3
3205	Synthesis, spectral, structural, thermal and optical studies on dimethylammonium 4-nitrobenzoate – an organic charge transfer complex. Optik, 2016, 127, 336-340.	1.4	9
3206	Synthesis, growth, optical, thermal and nonlinear optical studies of dimethylammonium picrate single crystal. Optik, 2016, 127, 383-386.	1.4	1

#	ARTICLE	IF	CITATIONS
3207	Growth, non-linear optical, photoconductivity and dielectric characterization of pure and EDTA doped tris-glycine zinc chloride single crystals for LiDAR. <i>Optik</i> , 2016, 127, 1378-1383.	1.4	2
3208	Molecular structure, vibrational spectral assignments (FT-IR and FT-Raman), UV-Vis, NMR, NBO, HOMO-LUMO and NLO properties of 3-(pentyl-2,6-diphenylpiperidin-4-one picrate based on DFT calculations. <i>Journal of Molecular Structure</i> , 2016, 1105, 225-237.	1.8	31
3209	Solid state synthesis, crystal growth and optical properties of urea and p-chloronitrobenzene solid solution. <i>Journal of Solid State Chemistry</i> , 2016, 233, 244-251.	1.4	8
3210	Spectral, optical and dielectric analyses on L-lysine p-nitrophenolate monohydrate organic crystals. <i>Optik</i> , 2016, 127, 420-427.	1.4	17
3211	Crystal structure, Hirshfeld surfaces and DFT computation of NLO active (2E)-2-(ethoxycarbonyl)-3-[(1-methoxy-1-oxo-3-phenylpropan-2-yl)amino] prop-2-enoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 625-636.	2.0	217
3212	Synthesis, growth and characterization of a new organic nonlinear optical crystal:		

#	ARTICLE	IF	CITATIONS
3225	Qualitative and quantitative approach towards the molecular understanding of structural, vibrational and optical features of urea ninhydrin monohydrate. <i>Materials Chemistry and Physics</i> , 2017, 191, 20-34.	2.0	11
3226	Ba ₅ CdGa ₆ Se ₁₅ , a congruently-melting infrared nonlinear optical material with strong SHG response. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1057-1063.	2.7	46
3227	Facile Syntheses of Ba ₂ [B ₄ O ₇ (OH) ₂] and Na[B ₅ O ₇ (OH) ₂](H ₂ O) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. <i>Inorganic Chemistry</i> , 2017, 56, 1340-1348.	1.9	43
3228	Second and third-order nonlinear optical and DFT calculations on 2-amino-5-chloro pyridinium-L-tartrate: A phasematchable organic single crystal. <i>Optical Materials</i> , 2017, 66, 79-93.	1.7	40
3229	Superpolyhedron-Built Second Harmonic Generation Materials Exhibit Large Mid-Infrared Conversion Efficiencies and High Laser-Induced Damage Thresholds. <i>Chemistry of Materials</i> , 2017, 29, 1796-1804.	3.2	84
3230	Beryllium-Free $\text{B}_2\text{Al}_2\text{B}_2\text{O}_7$ as a Possible Deep-Ultraviolet Nonlinear Optical Material Replacement for $\text{KB}_2\text{BO}_3\text{F}_2$. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2969-2973.	7.2	150
3231	Tailored synthesis of nonlinear optical quaternary chalcogenides: Ba ₄ Ge ₃ S ₉ Cl ₂ , Ba ₄ Si ₃ Se ₉ Cl ₂ and Ba ₄ Ge ₃ Se ₉ Cl ₂ . <i>Dalton Transactions</i> , 2017, 46, 2715-2721.	1.6	42
3232	Beryllium-Free $\text{B}_2\text{Al}_2\text{B}_2\text{O}_7$ as a Possible Deep-Ultraviolet Nonlinear Optical Material Replacement for $\text{KB}_2\text{BO}_3\text{F}_2$. <i>Angewandte Chemie</i> , 2017, 129, 3015-3019.	1.6	72
3233	M ₄ Mg ₄ (P ₂ O ₇) ₃ (M = K, Rb): Structural Engineering of Pyrophosphates for Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2017, 29, 1845-1855.	3.2	187
3234	Second harmonic generation response of the cubic chalcogenides Ba(6 ^x)Sr _x [Ag(4 ^y)Sn(y/4)](SnS ₄) ₄ . <i>Journal of Solid State Chemistry</i> , 2017, 248, 119-125.	1.4	7
3235	New 1:1 and 2:1 salts in the DL-norvaline-‘maleic acid’ system as an example of assembling various crystal structures from similar supramolecular building blocks. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 13-19.	0.2	3
3236	Iodide-Iodates M ₃ [IO ₃] ₁₂ ·Ag ₄ I, M = Bi, Tb, with a Framework Structure and High Second-Harmonic Generation Optical Response. <i>Inorganic Chemistry</i> , 2017, 56, 1186-1192.	1.9	17
3237	Mechanical, thermal, linear and nonlinear optical properties of barium L-tartrate single crystal. <i>Materials Research Express</i> , 2017, 4, 016502.	0.8	2
3238	Synthesis of the semi-organic nonlinear optical crystal L-glutamic acid zinc chloride and investigation of its growth and physiochemical properties. <i>Journal of Taibah University for Science</i> , 2017, 11, 955-965.	1.1	16
3239	A new cerium iodate infrared nonlinear optical material with a large second-harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2130-2134.	2.7	20
3240	Na ₂ CdGe ₂ Q ₆ (Q = S, Se): two metal-mixed chalcogenides with phase-matching abilities and large second-harmonic generation responses. <i>Dalton Transactions</i> , 2017, 46, 2778-2784.	1.6	69
3241	Distinct optoelectronic properties of four-coordinate and five-coordinate Zn(II) complexes with chiral polypyridine ligands. <i>Polyhedron</i> , 2017, 126, 111-119.	1.0	4
3242	New Electro-Optic Salt Crystals for Efficient Terahertz Wave Generation by Direct Pumping at Ti:Sapphire Wavelength. <i>Advanced Optical Materials</i> , 2017, 5, 1600758.	3.6	26

#	ARTICLE	IF	CITATIONS
3243	Growth, spectral, linear and nonlinear optical characteristics of an efficient semiorganic acentric crystal: L-valinium L-valine chloride. <i>Physica B: Condensed Matter</i> , 2017, 511, 1-9.	1.3	54
3244	Investigations on spectroscopic, dielectric and optical studies in 3-hydroxypyridinium 4-nitrobenzoate crystals. <i>Journal of Molecular Structure</i> , 2017, 1137, 142-149.	1.8	15
3245	Noncentrosymmetric chalcogenides BaZnSiSe ₄ and BaZnGeSe ₄ featuring one-dimensional structures. <i>Journal of Alloys and Compounds</i> , 2017, 708, 414-421.	2.8	39
3246	Synthesis, X-ray crystal structure and highly non-linear optical properties of inorganic-organic hybrid compound: 1,4-Diazabicyclo-octane oxonium tri-nitrates single crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 106, 58-64.	1.9	25
3247	ACaBO ₃ (A = Cs, Rb): two new cubic borates with isolated BO ₃ groups. <i>Dalton Transactions</i> , 2017, 46, 4968-4974.	1.6	19
3248	Novel laser crystals in Ca ₉ Y(VO ₄) _{7-x} (PO ₄) _x mixed system. <i>Journal of Alloys and Compounds</i> , 2017, 708, 285-293.	2.8	12
3249	Phase-Matching in Nonlinear Optical Compounds: A Materials Perspective. <i>Chemistry of Materials</i> , 2017, 29, 2655-2668.	3.2	177
3250	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3916-3919.	7.2	674
3251	Physicochemical Analysis of Tetrakis (Thiourea) Palladium Chloride: A Prospective Non Linear Optical Crystal. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 739-756.	1.9	7
3252	Effect of Manganese (Mn) " doping on crystalline and optical properties of Potassium Hydrogen Phthalate (KHP) crystals. <i>Materials Research Innovations</i> , 2017, , 1-7.	1.0	0
3253	Effect of alkali halides on the growth, morphology, spectral, optical, thermal and nonlinear optical properties of potassium acid phthalate crystals for frequency conversion applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7393-7400.	1.1	4
3254	Water Stability Studies of Hybrid Iodoargentates Containing N-Alkylated or N-Protonated Structure Directing Agents: Exploring Noncentrosymmetric Hybrid Structures. <i>Inorganic Chemistry</i> , 2017, 56, 1906-1918.	1.9	30
3255	Solvent-controlled syntheses of mixed-alkali-metal borates exhibiting UV nonlinear optical properties. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 692-700.	3.0	21
3256	1-((4-methylpiperazin-1-yl)(phenyl)methyl)naphthalen-2-ol: A novel Mannich base organic NLO crystal for the analysis of electro-optic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7802-7810.	1.1	6
3257	Terahertz Phonon Mode Engineering of Highly Efficient Organic Terahertz Generators. <i>Advanced Functional Materials</i> , 2017, 27, 1605583.	7.8	38
3258	Structural, thermal, optical and nonlinear optical properties of ethylenediaminium picrate single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 106, 37-43.	1.9	9
3259	Effect of size and composition on the second harmonic generation from lithium niobate powders at different excitation wavelengths. <i>Materials Research Express</i> , 2017, 4, 035022.	0.8	15
3260	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie</i> , 2017, 129, 3974-3977.	1.6	94

#	ARTICLE	IF	CITATIONS
3261	Growth and characterization of organic nonlinear optical single crystal 2,7-dihydroxy naphthalene. <i>Optics and Laser Technology</i> , 2017, 93, 133-137.	2.2	3
3262	Synthesis, Structural, Thermal, and Electronic Properties of Palmierite-Related Double Molybdate $\text{Pb}(\text{MoO}_4)_2$. <i>Inorganic Chemistry</i> , 2017, 56, 3276-3286.	1.9	33
3263	The influence of oxygen vacancies on the linear and nonlinear optical properties of $\text{Pb}_7\text{O}(\text{OH})_3(\text{CO}_3)_3(\text{BO}_3)$. <i>RSC Advances</i> , 2017, 7, 14752-14760.	1.7	31
3264	Ferroelectric crystal $\text{Ca}_9\text{Yb}(\text{VO}_4)_7$ in the series of $\text{Ca}_9\text{R}(\text{VO}_4)_7$ non-linear optical materials (R = REE, Bi, Y). <i>Journal of Materials Chemistry C</i> , 2017, 5, 2301-2310.	2.7	16
3265	Synthesis, growth, characterisation and laser damage threshold studies of N,N-dimethylanilinium-3-carboxy-4-hydroxybenzenesulphonate crystal: An efficient SHG material for electro-optic applications. <i>Optical Materials</i> , 2017, 66, 261-270.	1.7	31
3266	Crystal Growth and Structure Analysis of $\text{Ce}_{18}\text{W}_{10}\text{O}_{57}$: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment. <i>Inorganic Chemistry</i> , 2017, 56, 2566-2575.	1.9	11
3267	Synthesis, crystal structure, and optical properties of the noncentrosymmetric sulfide $\text{Ce}_8\text{Sb}_2\text{S}_{15}$. <i>Journal of Solid State Chemistry</i> , 2017, 251, 65-69.	1.4	8
3268	New Intermediate Polymorph of 1-Fluoro-adamantane and Its Second-Order-like Transition toward the Low Temperature Phase. <i>Crystal Growth and Design</i> , 2017, 17, 3395-3401.	1.4	16
3269	Experimental and Computational Perspectives on Bis(Creatininium) Succinate: An Efficient Organic Nonlinear Optical Material. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1849-1874.	1.4	10
3270	Design of an efficient solution grown semiorganic NLO crystal for short wavelength generation: Bis(L-Threonine) magnesium (II) monohydrate. <i>Materials Letters</i> , 2017, 200, 109-112.	1.3	5
3271	2-Amino 4-methylpyridinium 3-chlorobenzoate – A phase matchable organic nonlinear optical material for optoelectronics device applications. <i>Optics and Laser Technology</i> , 2017, 94, 253-260.	2.2	16
3272	Studies on nonlinear optical ammonium pentaborate crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11430-11438.	1.1	16
3273	Studies on growth and characterization of nicotinium tartrate single crystal: An efficient organic nonlinear optical material. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2017, 26, 1750004.	1.1	9
3274	Nonlinear optical properties and application of a chiral and photostimulable iron(II) compound. <i>Applied Physics Letters</i> , 2017, 110, 161908.	1.5	13
3275	Synthesis, Characterization, Nucleation Kinetics, Mechanical, Photo Conductivity, Birefringence and DFT Studies of Tris(thiourea) Zinc Selenate as Potential NLO Material. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1199-1210.	1.9	6
3276	Morphotropy in alkaline uranyl methacrylate complexes. <i>Polyhedron</i> , 2017, 133, 40-47.	1.0	7
3277	Growth, crystal structure, Hirshfeld surface, optical, piezoelectric, dielectric and mechanical properties of bis(L-asparaginium hydrogensquarate) single crystal. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 347-359.	0.5	30
3278	Twisted intra-molecular charge transfer investigations of semiorganic triglycine phosphate single crystal for non linear optical applications. <i>Journal of Molecular Structure</i> , 2017, 1144, 457-465.	1.8	6

#	ARTICLE	IF	CITATIONS
3279	Two excellent phase-matchable infrared nonlinear optical materials based on 3D diamond-like frameworks: $\text{RbGaSn}_2\text{Se}_6$ and $\text{RbInSn}_2\text{Se}_6$. Dalton Transactions, 2017, 46, 7714-7721.	1.6	30
3280	Monocrystal growth and characterization study of $\hat{1}^\pm$ - and $\hat{1}^3$ -polymorph of glycine to explore superior performance of $\hat{1}^3$ -glycine crystal. Materials Research Innovations, 0, , 1-6.	1.0	9
3281	Growth and Characterization of Chloro Bis Thiourea Mercury (II) Chloride (CBTMC) Grown by Slow Evaporation Technique for Nonlinear Optical Applications. Springer Proceedings in Physics, 2017, , 521-534.	0.1	8
3282	Composition dependence of the multifunctional properties of Nd-doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 7692-7707.	1.1	27
3283	$[\text{Zn}(\text{dap})_3][\text{Zn}(\text{dap})\text{B}_5\text{O}_8(\text{OH})_2]_2$: A Novel Organic-Inorganic Hybrid Chain-Like Zincoborate Made of $[\text{B}_5\text{O}_8(\text{OH})_2]_3$ Clusters and $[\text{Zn}(\text{dap})]_2^+$ Linkers. Journal of Cluster Science, 2017, 28, 1421-1429.	1.7	6
3284	Synthesis, spectral, structural and thermal characterization of NLO active crystal: 2-hydroxyethylammonium-4-nitrobenzoate. Optik, 2017, 140, 571-578.	1.4	7
3285	Growth, optical, electrical and mechanical properties of sodium hydrogen oxalate hydrate ($\text{NaHC}_2\text{O}_4 \cdot \text{H}_2\text{O}$) single crystal for NLO applications. Materials Chemistry and Physics, 2017, 197, 70-78.	2.0	20
3286	Synthesis and characterization of $\hat{1}^3$ -glycine a nonlinear optical single crystal for optoelectronic and photonic applications. Materials Science-Poland, 2017, 35, 140-150.	0.4	21
3287	Growth, structural, physical and computational perspectives of trans-4-hydroxy-l-proline: a promising organic nonlinear optical material with large laser-induced damage threshold. Materials Research Express, 2017, 4, 056202.	0.8	15
3288	Synthesis, second-harmonic generations (SHG), and photoluminescence (PL) properties of $\text{Ca}_4\text{Bi}_{6-x}\text{Ln}_x\text{O}_{13}$ ($\text{Ln}=\text{La}$ and Eu) solid solutions. Journal of Solid State Chemistry, 2017, 252, 28-32.	1.4	2
3289	$\text{Na}_8\text{MB}_{21}\text{O}_{36}$ ($\text{M} = \text{Rb}$ and Cs): Noncentrosymmetric Borates with Unprecedented $[\text{B}_{21}\text{O}_{36}]^{9-}$ Fundamental Building Blocks. Inorganic Chemistry, 2017, 56, 5506-5509.	1.9	27
3290	Development of optical element on bulk bisguanidinium hydrogen phosphate monohydrate single crystal for nonlinear optical device applications. Journal of Optics (India), 2017, 46, 368-374.	0.8	3
3291	Investigation on optical, electrical and etching properties of 2-aminopyridinium 4-aminobenzoate: A phase matchable organic single crystal for optoelectronic device applications. Materials Science-Poland, 2017, 35, 126-134.	0.4	3
3292	Growth and Characterization of Bis(thiourea) Antimony Tribromide: A Reliable Non-Linear Optical Crystal. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 296-312.	1.9	16
3293	Non-centrosymmetric Selenides $\text{AZn}_4\text{In}_5\text{Se}_{12}$ ($\text{A}=\text{Rb}$, Cs): Synthesis, Characterization and Nonlinear Optical Properties. Chemistry - an Asian Journal, 2017, 12, 453-458.	1.7	41
3294	LiRb_2PO_4 : a new deep-ultraviolet nonlinear optical phosphate with a large SHG response. Journal of Materials Chemistry C, 2017, 5, 269-274.	2.7	84
3295	Optical emissions of Ce^{3+} doped Sulphamic acid single crystals by low temperature unidirectional growth technique. Optical Materials, 2017, 64, 100-105.	1.7	17
3296	Growth and characterisation of $2\text{-}^2, 3, 4, 4\text{-}^2, 5$ -Pentamethoxychalcone (PMC) For non linear optical applications. Journal of Molecular Structure, 2017, 1133, 135-143.	1.8	1

#	ARTICLE	IF	CITATIONS
3297	Studies on the growth and characterization of organic crystal L-Arginine glutarate by liquid diffusion technique. <i>Optik</i> , 2017, 130, 1408-1413.	1.4	1
3298	Synthesis, crystal structure, optical property and theoretical studies of a noncentrosymmetric telluromolybdate CoTeMoO6. <i>Journal of Alloys and Compounds</i> , 2017, 722, 381-386.	2.8	5
3299	Growth and characterization of nonlinear optical crystal Semicarbazide Picrate. <i>Journal of Molecular Structure</i> , 2017, 1147, 515-519.	1.8	5
3300	Synthesis, structural, thermal, mechanical, second harmonic generation efficiency and laser damage threshold studies of 4-dimethylaminopyridinium-3,5-dicarboxybenzoate trihydrate single crystal. <i>Optical Materials</i> , 2017, 72, 247-256.	1.7	38
3301	A new method for the preparation of a [Sn2(H2PO2)3]Br SHG-active polar crystal via surfactant-induced strategy. <i>Dalton Transactions</i> , 2017, 46, 9339-9343.	1.6	11
3302	Crystallographic and optical study of $\text{LiNbO}_3/\text{TaO}_3$. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 498-506.	0.5	11
3303	Two tartratoborates with hybrid anionic groups from unusual condensation reactions. <i>Dalton Transactions</i> , 2017, 46, 7361-7368.	1.6	8
3304	$\text{Na}_4\text{Ca}[\text{B}_4\text{O}_5(\text{OH})_4]_3 \cdot 14\text{H}_2\text{O}$: An Acentric Supramolecular Framework Borate Based on $[\text{B}_4\text{O}_5(\text{OH})_4]^{2-}$ Cluster Units. <i>Journal of Cluster Science</i> , 2017, 28, 2157-2165.	1.7	5
3305	$\text{Na}_2\text{ZnSn}_2\text{S}_6$: A mixed-metal thioostannate with large second-harmonic generation response activated by penta-tetrahedral $[\text{ZnSn}_4\text{S}_{14}]^{10-}$ clusters. <i>Science China Technological Sciences</i> , 2017, 60, 1465-1472.	2.0	9
3306	Two Zeolitic Open-Framework Aluminoborates Directed by Similar Zn-Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 6630-6637.	1.9	17
3307	Exceptional bi-step switching of quadratic nonlinear optical properties in a one-dimensional channel compound. <i>Chemical Communications</i> , 2017, 53, 7669-7672.	2.2	27
3308	Synthesis, growth, optical, spectral, thermal and dielectric studies of a new nonlinear optical material : l-proline 2,4-dichlorobenzoic acid single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14179-14184.	1.1	5
3309	Benzothiazolium Single Crystals: A New Class of Nonlinear Optical Crystals with Efficient THz Wave Generation. <i>Advanced Materials</i> , 2017, 29, 1701748.	11.1	64
3310	Growth and physicochemical studies on 2-amino 5-bromopyridinium 4-carboxybutanoate: an organic NLO single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12916-12928.	1.1	6
3311	Synchronized effect of Ca^{2+} ion doping concentration on structural, UV-vis and second harmonic generation efficiency of zinc thiourea chloride (ZTC) crystal: An interesting comparative study. <i>Optik</i> , 2017, 142, 421-425.	1.4	28
3312	Experimental and computational studies on creatinium 4-nitrobenzoate - An organic proton transfer complex. <i>Journal of Molecular Structure</i> , 2017, 1146, 273-284.	1.8	25
3313	$\text{BaCu}_2\text{MIVQ}_4$ (MIV= Si, Ge, and Sn; Q = S, Se): synthesis, crystal structures, optical performances and theoretical calculations. <i>RSC Advances</i> , 2017, 7, 29378-29385.	1.7	48
3314	Spectroscopic and non-linear optical studies of two novel optical limiters from dichloroaniline family crystals: 3,4-Dichloroaniline and 3,5-dichloroaniline. <i>Optics and Laser Technology</i> , 2017, 96, 23-42.	2.2	1

#	ARTICLE	IF	CITATIONS
3315	Growth, Properties, and Theoretical Analysis of M_2LiVO_4 ($M = Rb, Cs$) Crystals: Two Potential Mid-Infrared Nonlinear Optical Materials. <i>Scientific Reports</i> , 2017, 7, 1901.	1.6	25
3316	Co-60 γ -irradiation effect on linear, nonlinear optical and electrical properties of a semiorganic L-alanine barium nitrate (LABN) crystal. <i>Materials Research Innovations</i> , 0, , 1-9.	1.0	1
3317	Growth, structural, optical, piezoelectric and etching analysis of L-lysine p-nitrophenolate monohydrate single crystals. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750174.	1.0	5
3318	Influence of tartaric acid on linear-nonlinear optical and electrical properties of KH_2PO_4 crystal. <i>Optical Materials</i> , 2017, 72, 1-7.	1.7	57
3319	Ferrocene chromophores continue to inspire. Fine-tuning and switching of the second-order nonlinear optical response. <i>Coordination Chemistry Reviews</i> , 2017, 343, 185-219.	9.5	71
3320	Optical and morphological studies of 3-methyl-2,6-diphenylpiperidinium picrate. <i>Emerging Materials Research</i> , 2017, 6, 301-304.	0.4	0
3321	Design and Synthesis of a Series of Novel Mixed Borate and Carbonate Halides. <i>Chemistry - A European Journal</i> , 2017, 23, 10451-10459.	1.7	14
3322	$Ba_6Zn_7Ga_2S_{16}$: A Wide Band Gap Sulfide with Phase-Matchable Infrared NLO Properties. <i>Chemistry of Materials</i> , 2017, 29, 5259-5266.	3.2	97
3323	Photoconversion Mechanisms and the Origin of Second-Harmonic Generation in Metal Iodates with Wide Transparency, $NaLn(IO_3)_4$ ($Ln = La, Ce, Sm, \text{ and } Eu$) and $NaLa(IO_3)_4:Ln^{3+}$ ($Ln = Sm \text{ and } Eu$). <i>Inorganic Chemistry</i> , 2017, 56, 6973-6981.	1.9	24
3324	Two Barium Gold Iodates: Syntheses, Structures, and Properties of Polar $BaAu(IO_3)_5$ and Nonpolar $HBa_4Au(IO_3)_{12}$ Materials. <i>Inorganic Chemistry</i> , 2017, 56, 7230-7236.	1.9	3
3325	Two deep-ultraviolet nonlinear optical alkaline-earth metal borates based on different types of oxoboron clusters. <i>Dalton Transactions</i> , 2017, 46, 7911-7916.	1.6	40
3326	Coexistence of Strong Second Harmonic Generation Response and Wide Band Gap in $AZn_4Ga_5S_{12}$ ($A = K, Rb, Cs$) with 3D Diamond-like Frameworks. <i>Chemistry - A European Journal</i> , 2017, 23, 10407-10412.	1.7	53
3327	Synthesis, XRD Studies and NLO Properties of $[p-H_2NC_6H_4CH_2NH_3][B_5O_6(OH)_4] \cdot 1/2H_2O$ and NLO Properties of Some Related Pentaborate(1^-) Salts. <i>Journal of Cluster Science</i> , 2017, 28, 2087-2095.	1.7	3
3328	$Li_2CdGeSe_4$ and $Li_2CdSnSe_4$: biaxial nonlinear optical materials with strong infrared second-order responses and laser-induced damage thresholds influenced by photoluminescence. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1472-1484.	3.0	38
3329	Spectrally-resolved third-harmonic generation and the fundamental role of $O \cdots H \cdots Cl$ hydrogen bonding in Oh, Td-cobalt(ii) tetraphenylmethane-based coordination polymers. <i>Dalton Transactions</i> , 2017, 46, 9349-9357.	1.6	11
3330	Two pairs of Zn coordination polymer enantiomers based on chiral aromatic polycarboxylate ligands: synthesis, crystal structures and properties. <i>RSC Advances</i> , 2017, 7, 18650-18657.	1.7	15
3331	Synthesis and nonlinear optical property of polycrystalline $MnTeMoO_6$. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	3
3332	Synthesis and characterization of a novel NLO chalcone derivative: 1-(5-chlorothiophene-2-yl)-3-(4-methoxyphenyl) prop-2-en-1-one for nonlinear device application. <i>Indian Journal of Physics</i> , 2017, 91, 925-932.	0.9	13

#	ARTICLE	IF	CITATIONS
3333	Ferroelectric properties and structural refinement of whitlockite-type phosphate Ca _{8.5} Pb _{0.5} Ho(PO ₄) ₇ . Powder Diffraction, 2017, 32, S168-S171.	0.4	1
3334	Crystal growth, structural, spectral, thermal, linear and nonlinear optical characterization of a new organic nonlinear chiral compound: l-tryptophan-fumaric acid-water (1/1/1) suitable for laser frequency conversion. Journal of Molecular Structure, 2017, 1141, 551-562.	1.8	30
3335	Observation of ferroelectric phase and large spontaneous electric polarization in organic salt of diisopropylammonium iodide. Journal of Applied Physics, 2017, 121, 114101.	1.1	22
3336	Growth and characterization of L-Glycine thiourea nonlinear optical single crystal for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 10893-10901.	1.1	7
3337	Synthesis and Characterization of the High-Pressure Nickel Borate $\hat{\Gamma}^3\text{-NiB}_4\text{O}_7$. Inorganic Chemistry, 2017, 56, 4217-4228.	1.9	22
3338	Exceptional Three-Level Switching Behaviors of Quadratic Nonlinear Optical Properties in a Tristable Molecule-Based Dielectric. Chemistry of Materials, 2017, 29, 3251-3256.	3.2	22
3339	Crystal structure refinement of new vanadates Ca ₈ ^x Pb _x CdBi(VO ₄) ₇ . Powder Diffraction, 2017, 32, S106-S109.	0.4	2
3340	Li ₃ VO ₄ : A Promising Mid-Infrared Nonlinear Optical Material with Large Laser Damage Threshold. Crystal Growth and Design, 2017, 17, 2792-2800.	1.4	33
3341	A second-order nonlinear optical material with a 5-fold interpenetrating diamondoid framework based on two achiral precursors: spontaneous resolution to absolute chiral induction. Dalton Transactions, 2017, 46, 4589-4594.	1.6	24
3342	2-Amino-6-methylpyridinium 4-nitrobenzoate: a phase matchable organic single crystal for optoelectronics device applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 9704-9716.	1.1	17
3343	Nonlinear optical studies and structure-activity relationship of chalcone derivatives with in silico insights. Journal of Molecular Structure, 2017, 1139, 294-302.	1.8	10
3344	Comparative studies on molecular structure, vibrational spectra and hyperpolarizabilities of NLO chromophore Ethyl 4-Dimethylaminobenzoate. Journal of Molecular Structure, 2017, 1141, 400-416.	1.8	5
3345	Mixed-Metal Carbonate Fluorides as Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 1285-1295.	6.6	195
3346	Linear and nonlinear optical characterization of methyl-p-hydroxybenzoate (p-MHB) single crystal grown by TSSG method. Optics and Laser Technology, 2017, 91, 51-54.	2.2	5
3347	Thiophene ring-fragmentation reactions: Principles and scale-up towards NLO materials. Tetrahedron, 2017, 73, 472-480.	1.0	13
3348	Antiferroelectric properties and site occupations of R ³⁺ cations in Ca ₈ MgR(PO ₄) ₇ luminescent host materials. Journal of Alloys and Compounds, 2017, 699, 928-937.	2.8	40
3349	Recent achievements on middle and far-infrared second-order nonlinear optical materials. Coordination Chemistry Reviews, 2017, 335, 44-57.	9.5	344
3350	Tuning of nonlinear optical and ferroelectric properties via the cationic composition of Ca _{9.5} Bi _{1.5} Cd(VO ₄) ₇ solid solutions. Materials and Design, 2017, 116, 515-523.	3.3	22

#	ARTICLE	IF	CITATIONS
3351	Growth, characterization and quantum chemical studies of an organic single crystal: 3-Aminopyridine 4-Nitrophenol for opto-electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5754-5775.	1.1	20
3352	Unique optical properties of Eu ³⁺ doped l-histidine hydrochloride mono hydrate single crystals from low temperature growth technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 52-57.	2.0	6
3353	Synthesis, growth and characterization of organic nonlinear optical material: N-benzyl-2-methyl-4-nitroaniline (BNA). <i>Optics and Laser Technology</i> , 2017, 90, 27-32.	2.2	18
3354	Growth and characterization of L-Lysine adipate crystal. <i>Optics and Laser Technology</i> , 2017, 90, 222-225.	2.2	5
3355	A study on the l-lysine-iodic acid: semi organic non linear optical single crystals for electro-optic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5154-5164.	1.1	11
3356	Study on growth, spectral, optical and thermal characterization of an NLO crystal: 6-Methyl nicotinic acid (6MNA). <i>Optics and Laser Technology</i> , 2017, 90, 133-135.	2.2	9
3357	Bulk growth of undoped and Nd ³⁺ doped zinc thiourea chloride (ZTC) monocrystal: Exploring the remarkably enhanced structural, optical, electrical and mechanical performance of Nd ³⁺ doped ZTC crystal for NLO device applications. <i>Optics and Laser Technology</i> , 2017, 90, 190-196.	2.2	40
3358	An aluminoborate directed by [Zn(H ₂ O) ₄] ²⁺ complex: Synthesis, structure and properties. <i>Inorganic Chemistry Communication</i> , 2017, 76, 26-29.	1.8	1
3359	Structural Modulation of Nitrate Group with Cations to Affect SHG Responses in RE(OH) ₂ NO ₃ (RE = La, Y, and Gd): New Polar Materials with Large NLO Effect after Adjusting pH Values of Reaction Systems. <i>Chemistry of Materials</i> , 2017, 29, 896-903.	3.2	107
3360	Two Phosphates: Noncentrosymmetric Cs ₆ Mg ₆ (PO ₃) ₁₈ and Centrosymmetric Cs ₂ MgZn ₂ (P ₂ O ₇) ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 845-851.	1.9	48
3361	Second-Harmonic Scattering from Metallic Nanoparticles in a Random Medium. <i>ACS Photonics</i> , 2017, 4, 262-267.	3.2	5
3362	Growth aspects, structural, optical, thermal and mechanical properties of benzotriazole pyridine-2-carboxylic acid single crystal. <i>Journal of Crystal Growth</i> , 2017, 460, 42-47.	0.7	20
3363	Bulk growth of organic non-linear optical (NLO) L-arginine 4-nitrophenolate 4-nitrophenol dihydrate (LAPP) single crystals by Sankaranarayananâ€™Ramasamy (SR) method. <i>Materials Research Innovations</i> , 2017, 21, 426-433.	1.0	22
3364	Evolution of the structural and multiferroic properties of PbFe ₂ /3W ₁ /3O ₃ ceramics upon Mn-doping. <i>Materials Chemistry and Physics</i> , 2017, 187, 218-232.	2.0	11
3365	Phase Transition and Second Harmonic Generation in Thiophosphates Ag ₂ Cd(P ₂ S ₆) and Ag ₃ Cd ₃ (PS ₄) ₂ Containing Two Second-Order Jahnâ€™Teller Distorted Cations. <i>Inorganic Chemistry</i> , 2017, 56, 114-124.	1.9	39
3366	Controllable seeded flux growth and optoelectronic properties of bulk o-SiP crystals. <i>CrystEngComm</i> , 2017, 19, 6986-6991.	1.3	35
3367	Synthesis, Structure, and Properties of Nonlinear Optical Crystal Na ₂ SiF ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1739-1743.	0.6	10
3368	Syntheses and Characterization of AM ₂ V ₂ O ₁₁ (A = Ba, Sr, Pb; M =) Tj ETQq1 1 0.784314 rgBT 2017, 56, 12631-12640.	1.9	10

#	ARTICLE	IF	CITATIONS
3369	Effect of chelating ligand, EDTA on the heat of sublimation of the triglyciny zinc(II) chloride an NLO active single crystal. <i>Materials Research Innovations</i> , 0, , 1-7.	1.0	0
3370	Large Second-Harmonic Generation Responses Achieved by the Dimeric $[\text{Ge}_2\text{Se}_4(\frac{1}{4}\text{Se}_2)]_4$ Functional Motif in Polar Polyselenides $\text{A}_4\text{Ge}_4\text{Se}_{12}$ (A = Rb, Cs). <i>Chemistry of Materials</i> , 2017, 29, 9200-9207.	3.2	47
3371	$[(\text{CH}_3)_3\text{NH}]_3\text{Bi}_2\text{I}_9$: A Polar Lead-Free Hybrid Perovskite-Like Material as a Potential Semiconducting Absorber. <i>Chemistry - A European Journal</i> , 2017, 23, 17304-17310.	1.7	46
3372	Spectroscopic Investigations on New Organic NLO crystal an 2-amino-5-chloropyridinium-2,4-dinitrophenolate. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 232, 105-126.	1.4	4
3373	The Next-Generation of Nonlinear Optical Materials: $\text{Rb}_3\text{Ba}_3\text{Li}_2\text{Al}_4\text{B}_6\text{O}_{20}\text{F}_6$ Synthesis, Characterization, and Crystal Growth. <i>Advanced Optical Materials</i> , 2017, 5, 1700840.	3.6	68
3374	New Compressed Chalcopyrite-like $\text{Li}_2\text{BaM}_4\text{Q}_4$ ($\text{M} = \text{IV}$) $\text{Tj ETQq1 1 0.784314 rg}$ Society, 2017, 139, 14885-14888.	6.6	201
3375	New Solid Electrolyte $\text{Na}_9\text{Al}(\text{MoO}_4)_6$: Structure and Na^+ Ion Conductivity. <i>Chemistry of Materials</i> , 2017, 29, 8901-8913.	3.2	29
3376	A pair of 3D enantiotopic zinc(ii) complexes based on two asymmetric achiral ligands. <i>Dalton Transactions</i> , 2017, 46, 14779-14784.	1.6	12
3377	Noncentrosymmetric (NCS) solid solutions: elucidating the structure-nonlinear optical (NLO) property relationship and beyond. <i>Dalton Transactions</i> , 2017, 46, 15628-15635.	1.6	16
3378	The Power of Heterometalation through Lithium for Helix Chain-Based Noncentrosymmetric Metal-Organic Frameworks with Tunable Second-Harmonic Generation Effects. <i>Crystal Growth and Design</i> , 2017, 17, 5634-5639.	1.4	11
3379	$\text{LiGaGe}_2\text{S}_6$: A Chalcogenide with Good Infrared Nonlinear Optical Performance and Low Melting Point. <i>Inorganic Chemistry</i> , 2017, 56, 13267-13273.	1.9	51
3380	$\text{Zn}_3\text{Sb}_4\text{O}_6\text{F}_6$: Hydrothermal synthesis, crystal structure and nonlinear optical properties. <i>Journal of Solid State Chemistry</i> , 2017, 256, 158-161.	1.4	14
3381	Structural diversities induced by cation sizes in a series of fluorogermanophosphates: $\text{A}_2[\text{GeF}_2(\text{HPO}_4)_2]$ (A = Na, K, Rb, NH_4 , and Cs). <i>Dalton Transactions</i> , 2017, 46, 11851-11859.	1.6	2
3382	Polar $\text{BaCl}(\text{ClO}_4)\cdot\text{H}_2\text{O}$ layered chloride perchlorate. <i>Inorganic Chemistry Communication</i> , 2017, 84, 174-177.	1.8	4
3383	Investigation on growth, optical, thermal, mechanical and dielectric studies of Benzimidazolium L-aspartate NLO crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 650, 125-137.	0.4	1
3384	Low-temperature-flux syntheses of ultraviolet-transparent borophosphates $\text{Na}_4\text{MB}_2\text{P}_3\text{O}_{13}$ (M = Rb, Cs) exhibiting a second-harmonic generation response. <i>Dalton Transactions</i> , 2017, 46, 12605-12611.	1.6	17
3385	$\text{Ag}_3\text{I}[(\text{MoO}_3)_2(\text{IO}_3)_2]$: a new polar material synthesized from the structural modulation of molybdenyl iodate architectures by polarizable cation (Ag^+) and anion (I^-). <i>Dalton Transactions</i> , 2017, 46, 12320-12327.	1.6	6
3386	Hg-Based Infrared Nonlinear Optical Material $\text{KHg}_4\text{Ga}_5\text{Se}_{12}$ Exhibits Good Phase-Matchability and Exceptional Second Harmonic Generation Response. <i>Chemistry of Materials</i> , 2017, 29, 7993-8002.	3.2	85

#	ARTICLE	IF	CITATIONS
3387	Experimental and ab initio studies of Cd ₅ (BO ₃) ₃ Cl: the first cadmium borate chlorine NLO material with isolated BO ₃ groups. Dalton Transactions, 2017, 46, 15228-15234.	1.6	18
3388	One, two, and three-dimensional metal-organic coordination polymers derived from enantiopure organic phosphorate: homochirality, water stability and proton conduction. CrystEngComm, 2017, 19, 6325-6332.	1.3	11
3389	Noncentrosymmetric quaternary selenide Ba ₂₃ Ga ₈ Sb ₂ Se ₃₈ : Synthesis, structure, and optical properties. Journal of Alloys and Compounds, 2017, 729, 150-155.	2.8	11
3390	Growth, optical, ICP and thermal studies of nonlinear optical single crystal: Sodium acid phthalate (NaAP). AIP Conference Proceedings, 2017, , .	0.3	0
3391	Second-order nonlinear optical switching with a record-high contrast for a photochromic and thermochromic bistable crystal. Chemical Science, 2017, 8, 7751-7757.	3.7	104
3392	Structural, mechanical properties, and vibrational spectra of LLM-105 under high pressures from a first-principles study. Journal of Molecular Modeling, 2017, 23, 275.	0.8	21
3393	Cs ₄ O ₆ F: A Congruent Melting Deep-Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie - International Edition, 2017, 56, 14119-14123.	7.2	654
3394	Cs ₄ O ₆ F: A Congruent Melting Deep-Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie, 2017, 129, 14307-14311.	1.6	166
3395	A new phase-matchable nonlinear optical silicate: Rb ₂ ZnSi ₃ O ₈ . Journal of Materials Chemistry C, 2017, 5, 11025-11029.	2.7	21
3396	Synthesis and characterization of a multifunctional inorganic-organic hybrid mixed-valence copper(II/III) coordination polymer: {[CuCN][Cu(isonic) 2]} _n . Journal of Solid State Chemistry, 2017, 256, 14-18.	1.4	4
3397	Na ₂ (H ₂ en)[B ₅ O ₈ (OH)] ₂ [B ₃ O ₄ (OH)] ₂ and Na ₃ (HCOO)[B ₅ O ₈ (OH)]: Two Borates Co-Templated by Inorganic Cations and Organic Compounds. European Journal of Inorganic Chemistry, 2017, 2017, 4061-4067.	1.0	14
3398	Finding the Next Deep-Ultraviolet Nonlinear Optical Material: NH ₄ B ₄ O ₆ F. Journal of the American Chemical Society, 2017, 139, 10645-10648.	6.6	889
3399	Structural Insights into Borates with an Anion-Templated Open Framework Configuration: Asymmetric K ₂ BaB ₁₆ O ₂₆ versus Centrosymmetric K ₃ CsB ₂₀ O ₃₂ and Na ₂ M ₂ NB ₁₈ O ₃₀ (M=Rb, Cs; N=Ba, Pb). Chemistry - A European Journal, 2017, 23, 13910-13918.	1.7	24
3400	A New KBBF-Family Nonlinear Optical Material with Strong Interlayer Bonding. Crystal Growth and Design, 2017, 17, 4422-4427.	1.4	42
3401	Structural, spectral and birefringence studies of semiorganic nonlinear optical single crystal: Calcium 5-sulfosalicylate. Journal of Molecular Structure, 2017, 1148, 364-370.	1.8	3
3402	A(II)GeTeO ₆ (A = Mn, Cd, Pb): Non-Centrosymmetric Layered Tellurates with PbSb ₂ O ₆ -Related Structure. Inorganic Chemistry, 2017, 56, 9019-9024.	1.9	18
3403	Synthesis and characterization of a new beryllium-free deep-ultraviolet nonlinear optical material: Na ₂ GdCO ₃ F ₃ . Journal of Alloys and Compounds, 2017, 724, 1057-1063.	2.8	29
3404	Experimental and density functional theory (DFT): A dual approach to probe the key properties of creatininium l-tartrate monohydrate single crystal for nonlinear optical applications. Journal of Molecular Structure, 2017, 1149, 48-57.	1.8	27

#	ARTICLE	IF	CITATIONS
3405	Ca ₆ 5Pb1.5ZnBi(VO ₄) ₇ , a novel whitlockite-type vanadate: crystal structure refinement and properties characterization. Powder Diffraction, 2017, 32, 175-178.	0.4	1
3406	Organic NLO material with H-bonded 1D helical self-assembly: synthesis, X-ray crystal structure, DFT calculations, SHG measurements and thermal studies of (5Z,6E)-1,10-phenanthroline-5,6-dione dioxime. CrystEngComm, 2017, 19, 5251-5258.	1.3	12
3407	Explorations of new UV nonlinear optical materials in the Na ₂ CO ₃ CaCO ₃ system. Journal of Materials Chemistry C, 2017, 5, 8758-8764.	2.7	25
3408	The activity of lone pair contributing to SHG response in bismuth borates: a combination investigation from experiment and DFT calculation. Physical Chemistry Chemical Physics, 2017, 19, 25270-25276.	1.3	20
3409	Luminescent mechanochromism of chiral alkynylplatinum(II) bipyridine complexes functionalized with pinene groups. Inorganica Chimica Acta, 2017, 467, 99-105.	1.2	12
3410	Wide band gap design of new chalcogenide compounds: KSrPS ₄ and CsBaAsS ₄ . RSC Advances, 2017, 7, 38044-38051.	1.7	20
3411	Enhancement of nonlinear optical and temperature dependent dielectric properties of Ce:BaTiO ₃ nano and submicron particles. Materials Research Express, 2017, 4, 085027.	0.8	7
3412	Growth, morphology, optical, thermal, mechanical and electrical studies of a cesium chloride doped L-alanine single crystal. Chinese Journal of Physics, 2017, 55, 2181-2191.	2.0	10
3413	Growth and characterization of an efficient new NLO single crystal L-phenylalanine D-methionine for frequency conversion and optoelectronic applications. Physica B: Condensed Matter, 2017, 525, 164-174.	1.3	49
3414	Structurally stable borate as a UV nonlinear optical material. Inorganic Chemistry Communication, 2017, 84, 127-130.	1.8	15
3415	Improvement of second-harmonic generation induced by structural distortions in Nb doped YCa ₉ (VO ₄) ₇ crystals. Journal of Alloys and Compounds, 2017, 726, 860-865.	2.8	6
3416	Growth, density functional theory (DFT) and spectral studies on L-2-aminobutyric acid "biologically active material. Journal of Molecular Structure, 2017, 1149, 655-661.	1.8	0
3417	Structural Modification of the Cation-Ordered Ruddlesden "Popper Phase YSr ₂ Mn ₂ O ₇ by Cation Exchange and Anion Insertion. Inorganic Chemistry, 2017, 56, 9988-9995.	1.9	13
3418	The investigation of potassium tetra thiourea chloride on linear-nonlinear optical, electrical and mechanical properties of KDP crystal for NLO applications. Ferroelectrics, 2017, 520, 59-74.	0.3	6
3419	Synthesis, structure and characterization of a new nonlinear optical calcium borate [Ca ₂ B ₅ O ₉]·[H(OH) ₂]. Inorganic Chemistry Communication, 2017, 86, 308-311.	1.8	4
3420	The correlation between SHG efficiency and structural peculiarities of [2.2]paracyclophane derivatives. Molecular Crystals and Liquid Crystals, 2017, 655, 16-34.	0.4	4
3421	Quinolinium single crystals with a high optical nonlinearity and unusual out-of-plane polar axis. Journal of Materials Chemistry C, 2017, 5, 12602-12609.	2.7	11
3422	Li ₇ (TeO ₃) ₃ F: A Lithium Fluoride Tellurite with Large Second Harmonic Generation Responses and a Short Ultraviolet Cutoff Edge. Inorganic Chemistry, 2017, 56, 14697-14705.	1.9	35

#	ARTICLE	IF	CITATIONS
3423	Electronic structure and properties of RbTiOPO ₄ :Ta crystals. RSC Advances, 2017, 7, 53111-53116.	1.7	9
3424	Growth and SHG of a 3D chiral nanoporous coordination framework consisting of homochiral nanotubes. Journal of Nonlinear Optical Physics and Materials, 2017, 26, 1750042.	1.1	0
3425	Chemical Cosubstitution-Oriented Design of Rare-Earth Borates as Potential Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 18397-18405.	6.6	187
3426	Effect of Nickel sulphate on Growth, Structural, Optical, Mechanical and thermal properties of L-alanine Single Crystals (LANS). IOP Conference Series: Materials Science and Engineering, 2017, 225, 012189.	0.3	1
3427	Acentric La ₃ (IO ₃) ₈ (OH) and La(IO ₃) ₂ (NO ₃): Partial Substitution of Iodate Anions in La(IO ₃) ₃ by Hydroxide or Nitrate Anion. Inorganic Chemistry, 2017, 56, 14357-14365.	1.9	44
3428	Synthesis and characterization of pure and Nd-doped Bismuth Zinc Oxyborate (Bi ₂ ZnOB ₂ O ₆). Materials Today: Proceedings, 2017, 4, 9496-9499.	0.9	0
3429	Pb _{0.65} Mn _{2.85} Ga ₃ S ₈ and Pb _{0.72} Mn _{2.84} Ga _{2.95} Se ₈ : Two Quaternary Metal Chalcogenides with Open-Tunnel-Framework Structures Displaying Intense Second Harmonic Generation Responses and Interesting Magnetic Properties. Inorganic Chemistry, 2017, 56, 8454-8461.	1.9	10
3430	Second-order nonlinear optical microscopy of spider silk. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	15
3431	Ethyne-Linked Push-Pull Chromophores: Implications of Crystal Structure and Molecular Electronics on the Quadric Nonlinear Activity. Crystal Growth and Design, 2017, 17, 4124-4136.	1.4	5
3432	Growth, spectral, optical and thermal characterisation of semiorganic NLO material: L-histidinium hexafluorosilicate single crystal. AIP Conference Proceedings, 2017, , .	0.3	1
3433	Novel report on β-glycine crystal yielding high second harmonic generation efficiency. Optical Materials, 2017, 72, 590-595.	1.7	56
3434	Crystal Growth and Linear and Nonlinear Optical Properties of KIO ₃ ·Te(OH) ₆ . Crystal Growth and Design, 2017, 17, 4405-4412.	1.4	13
3435	Perovskite solid solutions La _{0.75} Bi _{0.25} Fe _{1-x} CrxO ₃ : Preparation, structural, and magnetic properties. Journal of Solid State Chemistry, 2017, 254, 166-177.	1.4	1
3436	Collaborative enhancement from Pb ²⁺ and F ^â in Pb ₂ (NO ₃) ₃ ·2(H ₂ O)F ₂ generates the largest second harmonic generation effect among nitrates. Chemical Communications, 2017, 53, 9398-9401.	2.2	66
3437	Crystal growth and optical properties of a UV nonlinear optical material KSrCO ₃ F. CrystEngComm, 2017, 19, 4742-4748.	1.3	52
3438	Ba ₆ Li ₂ CdSn ₄ S ₁₆ : lithium substitution simultaneously enhances band gap and SHG intensity. Journal of Materials Chemistry C, 2017, 5, 7067-7074.	2.7	38
3439	Investigation on growth, optical, thermal, mechanical, dielectric, LDT studies of sulphanilic acid monohydrate: A promising third-order nonlinear optical material. Journal of Nonlinear Optical Physics and Materials, 2017, 26, 1750020.	1.1	11
3440	xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow> <mml:mi>R</mml:mi> <mml:mi>FeW</mml:mi> <mml:msub> <mml:mi>O</mml:mi> <mml:mn>6</mml:mn> </mml:msub> </mml:mrow> </mml:math> () Tj ETQq1 1_0,784314 rgBT /O	1.1	34

#	ARTICLE	IF	CITATIONS
3441	Bulk growth of organic 4-hydroxy l-proline (HLP) single crystals grown by conventional slow evaporation and Sankaranarayananâ€™s Ramasamy (SR) method. Journal of Materials Science: Materials in Electronics, 2017, 28, 15354-15369.	1.1	5
3442	Synthesis, crystal structure, optical, thermal and dielectric studies of a potential novel organic material: l-histidinium fumarate fumaric acid monohydrate single crystal. Materials Letters, 2017, 206, 221-224.	1.3	9
3443	Crystal growth and characterization of sodium p-nitrophenolate dihydrate (NPNa) single crystals for NLO applications. AIP Conference Proceedings, 2017, , .	0.3	1
3444	Synthesis, single crystal structure and spectroscopic aspects of chalcone 2(2E)-1-(4-bromobiphenyl-4-yl)-3-(2, 3-dimethoxybenzaldehyde) prop-2-ene-1-one. Chemical Data Collections, 2017, 9-10, 208-219.	1.1	0
3445	Synthesis, growth, physicochemical properties and DFT calculations of 2-naphthol substituted Mannich base 1-(morpholino(phenyl) methyl) naphthalen-2-ol: A non linear optical single crystal. Journal of Molecular Structure, 2017, 1147, 763-775.	1.8	9
3446	Ferroelectric Polarization and Second Harmonic Generation in Supramolecular Cocrystals with Two Axes of Charge-Transfer. Journal of the American Chemical Society, 2017, 139, 9186-9191.	6.6	73
3447	Bulk crystal growth and nonlinear optical characterization of semiorganic single crystal: Cadmium (II) dibromide l - Proline monohydrate. Materials Chemistry and Physics, 2017, 186, 115-123.	2.0	18
3448	Growth kinetics and bulk growth of inversely soluble lithium sulfate monohydrate single crystals and their characterization. Journal of Crystal Growth, 2017, 468, 38-42.	0.7	1
3449	Synthesis and characterization of inorganic nonlinear optical material: Potassium sodium hydroxide borate hydrate (KSB) single crystal. Materials Letters, 2017, 188, 156-158.	1.3	9
3450	Comprehensive study on crystal growth, optical and dielectric properties of potassium dihydrogen orthophosphate crystal influenced by organic additive salicylic acid. Optik, 2017, 131, 165-170.	1.4	31
3451	Study on growth, structural, optical, thermal and mechanical properties of organic single crystal ethyl p-amino benzoate (EPAB) grown using vertical Bridgman technique. Journal of Crystal Growth, 2017, 459, 31-37.	0.7	18
3452	A systematic approach to physico-chemical analysis of tris (thiourea) zinc selenate â€™ A semi-organic nonlinear optical crystal. Optik, 2017, 129, 118-129.	1.4	15
3453	Microstructural and nonlinear optical properties of Bi2ZnB2O7:RE3+ powders. Journal of Alloys and Compounds, 2017, 694, 959-970.	2.8	10
3454	The growth rates of KDP crystals in solutions with potassium permanganate additives. Journal of Crystal Growth, 2017, 457, 2-5.	0.7	3
3455	Bulk crystals of L-Histidinium dihydrogen phosphate orthophosphoric acid grown by Sankaranarayananâ€™s Ramasamy method. Journal of Crystal Growth, 2017, 457, 104-106.	0.7	3
3456	Synthesis, spectroscopic (UVâ€™Vis, FT-IR and NMR), single crystal XRD of 3,5-diethyl -2,6-di(thiophen-2-yl)piperidin-4-on-1-ium picrate: A comprehensive experimental and computational study. Journal of Molecular Structure, 2017, 1128, 268-278.	1.8	17
3457	Synthesis, growth and characterization of l-Alanine Potassium Chloride single crystal: a phase-matchable semi-organic material for second and third order NLO applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 1051-1059.	1.1	10
3458	Structural and solid state properties of l-leucinium p-toluenesulfonate monohydrate: an amino acid tosylate NLO crystal. Journal of Materials Science: Materials in Electronics, 2017, 28, 661-672.	1.1	6

#	ARTICLE	IF	CITATIONS
3459	Experimental and theoretical investigation on 2-amino 5-bromopyridinium L-tartrate-A new organic charge-transfer crystal for optoelectronics device applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 1124-1135.	1.1	33
3460	Surface enhanced raman spectroscopy studies on triglycine sulphate single crystals. Journal of Molecular Structure, 2017, 1128, 428-438.	1.8	7
3461	Structure and nonlinear optical properties of (E)-1-(4-aminophenyl)-3-(3-chlorophenyl) prop-2-en-1-one: A promising new D- π -A- π -D type chalcone derivative crystal for nonlinear optical devices. Journal of Molecular Structure, 2017, 1129, 239-247.	1.8	68
3462	Computational, spectral and structural studies of a new non linear optical crystal: 2-hydroxy pyridinium 3,5-dinitrobenzoate. Journal of Molecular Structure, 2017, 1130, 414-424.	1.8	39
3463	Investigations on structural and photoluminescence mechanism of cerium doped l -Histidine hydrochloride mono hydrate single crystals for optical applications. Journal of Molecular Structure, 2017, 1129, 231-238.	1.8	10
3464	Photoconductivity, dielectric, thermal and mechanical studies on nonlinear optical phasematchable single crystal: 2-amino-4-methylpyridinium 4-nitrobenzoate. Journal of Materials Science: Materials in Electronics, 2017, 28, 1706-1714.	1.1	7
3465	A strategic approach to physico-chemical analysis of bis (thiourea) lead chloride “ A reliable semi-organic nonlinear optical crystal. Optics and Laser Technology, 2017, 89, 6-15.	2.2	25
3466	Growth and structural analysis of an organic NLO compound: l-lysiniun picrate. Journal of Molecular Structure, 2017, 1127, 156-163.	1.8	10
3467	Benzotriazole p-hydroxybenzoic acid: physicochemical and biological evaluation of an organic cocrystal. Materials Research Innovations, 2017, 21, 182-188.	1.0	7
3468	Analysis and prediction of mid-IR nonlinear optical metal sulfides with diamond-like structures. Coordination Chemistry Reviews, 2017, 333, 57-70.	9.5	278
3469	Synthesis, growth and characterization of organic crystal triphenylmethane p-nitroaniline: a nonlinear optical crystal. Materials Science-Poland, 2017, 35, 667-672.	0.4	4
3470	Bi-Based Lead-Free Piezoelectric Ceramics. , 2017, , 155-196.		4
3471	Investigation on effect of LiCl doping on optical properties of L -arginine acetate single crystal. Materials Today: Proceedings, 2017, 4, 9491-9495.	0.9	1
3472	Crystal growth, structure and characterization of diglycine zinc dipicrate: Centrosymmetric crystal exhibiting second harmonic generation efficiency. Molecular Crystals and Liquid Crystals, 2017, 656, 153-168.	0.4	3
3473	Synthesis, characterization, second and third order non-linear optical properties and luminescence properties of 1,10-phenanthroline-2,9-di(carboxaldehyde phenylhydrazone) and its transition metal complexes. Open Chemistry, 2017, 15, 283-292.	1.0	8
3474	Synthesis, crystal structures and properties of the new compounds $K_7Ag_{1+x}O_{4+4x}$ ($x = Mo, W$). Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 1071-1077.	0.2	1
3475	Growth, optical, photoluminescence, dielectric, second and third order nonlinear optical studies of benzoyl valine acentric crystal. Molecular Crystals and Liquid Crystals, 2017, 658, 186-197.	0.4	17
3476	Spectral, optical, thermal and mechanical studies on l -Histidine oxalate crystals. Arabian Journal of Chemistry, 2017, 10, S854-S858.	2.3	9

#	ARTICLE	IF	CITATIONS
3477	Studies on growth and characterization of nonlinear optical material 4-chloro-4-methoxybenzylideneaniline: A Schiff base organic material. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3974-S3981.	2.3	15
3478	Effect of zinc acetate addition on crystal growth, structural, optical, thermal properties of glycine single crystals. <i>Arabian Journal of Chemistry</i> , 2017, 10, S2615-S2624.	2.3	19
3479	Synthesis, growth and characterisation of a semiorganic nonlinear optical material: l-threonine cadmium chloride single crystals. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3962-S3966.	2.3	21
3480	Synthesis, structure and non-linear optical properties of new isostructural β -D-fructopyranose alkaline halide metal-organic frameworks: a theoretical and an experimental study. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 737-743.	0.5	6
3481	Large optical third-order nonlinearities in a switchable Prussian blue analogue. <i>Optical Materials Express</i> , 2017, 7, 444.	1.6	5
3482	Comparative Interrelationship of the Structural, Nonlinear-Optical and Other Acentric Properties for Oxide, Borate and Carbonate Crystals. <i>Crystals</i> , 2017, 7, 109.	1.0	13
3483	Studies on Molecular Structure and Vibrational Spectra of NLO Crystal L-Glutamine Oxalate by DFT Method. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-23.	0.5	2
3484	Borates Crystal Structures of Prospective Nonlinear Optical Materials: High Anisotropy of the Thermal Expansion Caused by Anharmonic Atomic Vibrations. <i>Crystals</i> , 2017, 7, 93.	1.0	40
3485	Synthesis, Crystal Structure and Nonlinear Optical Property of RbHgI ₃ . <i>Crystals</i> , 2017, 7, 148.	1.0	10
3486	Nonlinear Diffuse fs-Pulse Reflectometry of Harmonic Upconversion Nanoparticles. <i>Photonics</i> , 2017, 4, 11.	0.9	17
3487	Unprecedented phase transition sequence in the perovskite Li _{0.2} Na _{0.8} NbO ₃ . <i>IUCr</i> , 2017, 4, 215-222.	1.0	9
3488	Structure and Optical Properties of K _{0.67} Rb _{1.33} Al ₂ B ₂ O ₇ Crystal. <i>Crystals</i> , 2017, 7, 104.	1.0	3
3489	Cs ₃ LiZn ₂ (WO ₄) ₄ and Rb ₃ Li ₂ Ga(MoO ₄) ₄ : different filled derivatives of the cation-deficient Cs ₆ Zn ₅ (MoO ₄) ₈ structure. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 946-952.	0.2	2
3490	Spectroscopic and quantum chemical perspectives on 2-amino 5-methylpyridinium 4-nitrobenzoate – An organic single crystals for optoelectronics device applications. <i>Optics and Laser Technology</i> , 2018, 103, 291-299.	2.2	13
3491	Internal Polarization Modulation in Bi ₂ MoO ₆ for Photocatalytic Performance Enhancement under Visible Light Illumination. <i>ChemSusChem</i> , 2018, 11, 1521-1532.	3.6	55
3492	Effect of Element Substitution on Structural Transformation and Optical Performances in $\text{Li}_2\text{BaM}^{\text{IV}}\text{Q}_4$ (Li , Na , Cu , and Ag ; $\text{M}^{\text{IV}} = \text{Tj}$, ETQ)	1.0	14
3493	Pb ₂ BO ₃ I: A Borate Iodide with the Largest Second Harmonic Generation (SHG) Response in the KBe ₂ BO ₃ F ₂ (KBBF) Family of Nonlinear Optical (NLO) Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6100-6103.	7.2	177
3494	Pb ₂ BO ₃ I: A Borate Iodide with the Largest Second Harmonic Generation (SHG) Response in the KBe ₂ BO ₃ F ₂ (KBBF) Family of Nonlinear Optical (NLO) Materials. <i>Angewandte Chemie</i> , 2018, 130, 6208-6211.	1.6	22

#	ARTICLE	IF	CITATIONS
3495	$\text{Li}_6\text{M}(\text{SeO}_3)_4$ (M = Co, Ni, and Cd) and $\text{Li}_2\text{Zn}(\text{SeO}_3)_2$: Selenites with Late Transition-Metal Cations. <i>Inorganic Chemistry</i> , 2018, 57, 3465-3473.	1.9	27
3496	Pushing Nonlinear Optical Oxides into the Mid-Infrared Spectral Region Beyond $10\ \mu\text{m}$: Design, Synthesis, and Characterization of $\text{La}_3\text{SnGa}_5\text{O}_{14}$. <i>Journal of the American Chemical Society</i> , 2018, 140, 4684-4690.	6.6	117
3497	Growth and characterization of benzyl 4-hydroxybenzoate single crystal by vertical Bridgman technique for optical applications. <i>Optics and Laser Technology</i> , 2018, 103, 163-169.	2.2	14
3498	Transparent glass-ceramics functionalized by dispersed crystals. <i>Progress in Materials Science</i> , 2018, 97, 38-96.	16.0	236
3499	The Large Second Harmonic Generation of LiCs_2PO_4 is caused by the Metal-Cation-Centered Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3933-3937.	7.2	70
3500	Enhancement of electro-optic and structural properties of TGS single crystals on doping with l-glutamic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7904-7916.	1.1	15
3501	A beryllium-free deep-UV nonlinear optical material $\text{CsNaMgP}_2\text{O}_7$ with honeycomb-like topological layers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3910-3916.	2.7	48
3502	$\text{SrB}_5\text{O}_7\text{F}_3$ Functionalized with $[\text{B}_5\text{O}_9\text{F}_3]^{6-}$ Chromophores: Accelerating the Rational Design of Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 6203-6207.	1.6	108
3503	A Series of Rare-Earth Borates $\text{K}_7\text{MRE}_2\text{B}_{15}\text{O}_{30}$ (M =) $\text{Tj ETQq000rgBT / Overlock 1}$ Materials, 2018, 30, 2414-2423.	3.2	73
3504	Synthesis, growth, frontier molecular orbitals, fracture mechanics and nonlinear optical studies of l-serine methyl ester hydrochloride single crystal. <i>Journal of Optics (India)</i> , 2018, 47, 374-379.	0.8	2
3505	Transfiguring structural, optical and dielectric properties of cadmium thiourea acetate crystal by the addition of L-threonine for laser assisted device applications. <i>Materials Research Express</i> , 2018, 5, 036204.	0.8	5
3506	$\text{SrB}_5\text{O}_7\text{F}_3$ Functionalized with $[\text{B}_5\text{O}_9\text{F}_3]^{6-}$ Chromophores: Accelerating the Rational Design of Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6095-6099.	7.2	581
3507	Hydrothermal single crystal growth and second harmonic generation of Li_2SiO_3 , Li_2GeO_3 and $\text{Li}_2\text{Si}_2\text{O}_5$. <i>Journal of Crystal Growth</i> , 2018, 493, 58-64.	0.7	12
3508	New silicate-germanate $\text{Cs}_2\text{Pb}_2[(\text{Si}_0.6\text{Ge}_0.4)_2\text{O}_7]$ from the series $\text{A}_2\text{Pb}_2[\text{B}_2\text{O}_7]$, A = K, Cs, B = Si, Ge with the umbrella-like $[\text{PbO}_3]_4$ -group. <i>Solid State Sciences</i> , 2018, 78, 69-73.	1.5	8
3509	Growth and characterization of 2-amino-5-bromopyridinium-4-hydroxybenzoate crystals for nonlinear optical and antioxidant applications. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018, 27, 1850002.	1.1	2
3510	Synthesis and characterization of a prominent NLO active MOF of lead with 1,5-naphthalenedisulfonic acid. <i>Journal of Molecular Structure</i> , 2018, 1167, 134-141.	1.8	12
3511	Linear and nonlinear optical analysis on semiorganic L-Proline cadmium chloride single crystal. <i>Chinese Physics B</i> , 2018, 27, 047801.	0.7	31
3512	$\text{Sr}_5\text{ZnGa}_6\text{S}_{15}$: a new quaternary non-centrosymmetric semiconductor with a 3D framework structure displaying excellent nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1458-1462.	3.0	51

#	ARTICLE	IF	CITATIONS
3513	Deepâ€Ultraviolet Nonlinear Optical Crystal Cs ₂ Al ₂ (B ₃ O ₆) ₂ O: A Benign Member of the Sr ₂ Be ₂ (BO ₃) ₂ O Family with [Al ₂ (B ₃ O ₆) ₂ O] ²⁺ Double Layers. Chemistry - A European Journal, 2018, 24, 7856-7860.	1.7	37
3514	Polar Fluorooxoborate, NaB ₄ O ₆ F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie - International Edition, 2018, 57, 6577-6581.	7.2	368
3515	Influence of rare earth gadolinium nitrate addition on structural, dielectric, linear and nonlinear optical properties of glycine single crystals. Journal of Crystal Growth, 2018, 493, 30-33.	0.7	7
3516	CaB ₅ O ₇ F ₃ : A Beryllium-Free Alkaline-Earth Fluorooxoborate Exhibiting Excellent Nonlinear Optical Performances. Inorganic Chemistry, 2018, 57, 4820-4823.	1.9	136
3517	Polar Fluorooxoborate, NaB ₄ O ₆ F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie, 2018, 130, 6687-6691.	1.6	66
3518	An influence of transition Ni ²⁺ metal ions on the optical, dielectric and magnetic properties of l-alanine cadmium chloride. Optical and Quantum Electronics, 2018, 50, 1.	1.5	7
3519	Growth and characterization of l-Serine: A promising acentric organic crystal. Physica B: Condensed Matter, 2018, 541, 32-42.	1.3	16
3520	Ba ₄ B ₈ TeO ₁₉ : A UV Nonlinear Optical Material. Inorganic Chemistry, 2018, 57, 4771-4776.	1.9	31
3521	Single Crystals Based on Hydrogenâ€Bonding Mediated Cationâ€Anion Assembly with Extremely Large Optical Nonlinearity and Their Application for Intense THz Wave Generation. Advanced Optical Materials, 2018, 6, 1701258.	3.6	24
3522	Studies on L-cystine hydrobromide single crystals for nonlinear optical applications. Journal of Taibah University for Science, 2018, 12, 64-68.	1.1	6
3523	Effect of L-threonine on the optical and electrical properties of TTZS crystal. Materials Today: Proceedings, 2018, 5, 3378-3389.	0.9	2
3524	Synthesis and Crystal Structure of the Acentric Indium Borate InB ₆ O ₉ (OH) ₃ . Inorganic Chemistry, 2018, 57, 5554-5559.	1.9	11
3525	The Large Secondâ€Harmonic Generation of LiCs ₂ PO ₄ is caused by the Metalâ€Cationâ€Centered Groups. Angewandte Chemie, 2018, 130, 3997-4001.	1.6	18
3526	Thermal and dielectric studies on bis(Thiourea) Nickel Chloride NLO single crystals. Materials Today: Proceedings, 2018, 5, 8818-8823.	0.9	4
3527	Pb ₂ BO ₃ Br: a novel nonlinear optical lead borate bromine with a KBBF-type structure exhibiting strong nonlinear optical response. Inorganic Chemistry Frontiers, 2018, 5, 916-921.	3.0	90
3528	Urea doped crystals formed with potassiumâ€sodium pentaborate (K 0.5 Na 0.5 B ₅). Surfaces and Interfaces, 2018, 11, 14-21.	1.5	3
3529	Density functional theoretical analysis with experimental, invitro bioactivity and molecular docking investigations on the pesticide Albendazole. Chemical Physics Letters, 2018, 695, 1-7.	1.2	7
3530	Growth and characterization of organic second order nonlinear optical (NLO) 4-chloroanilinium-l-tartrate monohydrate single crystals. Journal of Crystal Growth, 2018, 486, 96-103.	0.7	15

#	ARTICLE	IF	CITATIONS
3531	Influence of VO ²⁺ ions on structural and optical properties of potassium succinate-succinic acid single crystal for non-linear optical applications. <i>Physica B: Condensed Matter</i> , 2018, 534, 156-162.	1.3	12
3532	Growth and characterization of metal doped and quasi mixed crystals based on ZnCd(SCN) ₄ . <i>Journal of Crystal Growth</i> , 2018, 486, 148-154.	0.7	2
3533	Growth and characterization of L-phenylalanine nitric acid (LPN) and tris L-(phenylalanine)-phenylalaninium nitrate (TPLPN) as second and third order nonlinear optical materials. <i>Chinese Journal of Physics</i> , 2018, 56, 721-739.	2.0	14
3534	Synthesis and studies on structural, optical and nonlinear optical properties of novel organic inter-molecular compounds: 4-chloro-3-nitroaniline-3-hydroxy benzaldehyde and urea-4-dimethylaminopyridine. <i>Journal of Molecular Structure</i> , 2018, 1160, 189-197.	1.8	4
3535	Synthesis, crystal structure, spectroscopic characterization, docking simulation and density functional studies of 1-(3,4-dimethoxyphenyl)-3-(4-fluorophenyl)-propan-1-one. <i>Journal of Molecular Structure</i> , 2018, 1161, 199-217.	1.8	23
3536	Design and synthesis of a nonlinear optical material BaAl ₄ S ₇ with a wide band gap inspired from SrB ₄ O ₇ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 2684-2689.	2.7	51
3537	Third order nonlinear optical, spectral, dielectric, laser damage threshold, and photo luminescence characteristics of an efficacious semiorganic acentric crystal: L-Ornithine monohydrochloride. <i>Chinese Journal of Physics</i> , 2018, 56, 502-519.	2.0	10
3538	Li ₇ Cd _{4.5} Ge ₄ Se ₁₆ and Li _{6.4} Cd _{4.8} Sn ₄ Se ₁₆ : Strong Nonlinear Optical Response in Quaternary Diamond-Like Selenide Networks. <i>Chemistry - an Asian Journal</i> , 2018, 13, 871-876.	1.7	6
3539	A Joint Strategy To Evaluate the Microscopic Origin of the Second-Harmonic-Generation Response in Nonpolar ABCO ₃ F Compounds. <i>Inorganic Chemistry</i> , 2018, 57, 1251-1258.	1.9	29
3540	Functional Materials Design via Structural Regulation Originated from Ions Introduction: A Study Case in Cesium Iodate System. <i>Chemistry of Materials</i> , 2018, 30, 1136-1145.	3.2	72
3541	A Large Family of Centrosymmetric and Chiral f-Element-Bearing Iodate Selenates Exhibiting Coordination Number and Dimensional Reductions. <i>Inorganic Chemistry</i> , 2018, 57, 1676-1683.	1.9	23
3542	Non-Centrosymmetric RbNaMgP ₂ O ₇ with Unprecedented Thermo-Induced Enhancement of Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1592-1595.	6.6	200
3543	Four new quaternary chalcogenides A ₂ Ba ₇ Sn ₄ Q ₁₆ (A) Tj ETQq0 0 0 rgBT /Overlock investigation. <i>New Journal of Chemistry</i> , 2018, 42, 3350-3355.	1.4	19
3544	Electro-optic Response in Germanium Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1018-1027.	2.1	39
3545	Investigation on optical, thermal, dielectric and mechanical properties of antimony potassium tartrate on l-alanine single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5509-5517.	1.1	2
3546	Concomitance, Reversibility, and Switching Ability of Centrosymmetric and Non-Centrosymmetric Crystal Forms: Polymorphism in an Organic Nonlinear Optical Material. <i>Crystal Growth and Design</i> , 2018, 18, 1126-1135.	1.4	18
3547	A novel selenoalkenyl-isoxazole based donor-acceptor nonlinear optical material. <i>CrystEngComm</i> , 2018, 20, 12-16.	1.3	12
3548	New complex phosphates Cs ₃ M ^{II} Bi(P ₂ O ₇) ₂ (M ^{II} = Ca, Sr) Tj ETQq1 1 0,78431 19 2274-2284.	1.6	16

#	ARTICLE	IF	CITATIONS
3549	X-ray, dielectric, piezoelectric and optical analyses of a new nonlinear optical 8-hydroxyquinolinium hydrogen squarate crystal. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 12-23.	0.5	26
3550	Discovery of Non-linear Optical Materials by Function-Based Screening of Multi-component Solids. <i>CheM</i> , 2018, 4, 150-161.	5.8	25
3551	Cation-Tuned Synthesis of Fluorooxoborates: Towards Optimal Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 2172-2176.	1.6	131
3552	Oxyhalides: prospecting ore for optical functional materials with large laser damage thresholds. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2435-2442.	2.7	56
3553	$K_3Li_3Gd_7(BO_3)_9$: A New Gadolinium-Rich Orthoborate for Cryogenic Magnetic Cooling. <i>Chemistry - A European Journal</i> , 2018, 24, 3147-3150.	1.7	30
3554	Synthesis, Growth and Optical, Mechanical, Electrical and Surface Properties of an Inorganic New Nonlinear Optical Crystal: Sodium Cadmium Tetra Chloride (SCTC). <i>Crystal Research and Technology</i> , 2018, 53, 1700271.	0.6	6
3555	Cation-Tuned Synthesis of Fluorooxoborates: Towards Optimal Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2150-2154.	7.2	527
3556	Synthesis, single crystal X-ray, spectroscopic (FT-IR, UV-vis, fluorescence, 1H & ^{13}C NMR), computational (DFT/B3LYP) studies of some imidazole based picrates. <i>Journal of Molecular Structure</i> , 2018, 1158, 277-285.	1.8	10
3557	The second-harmonic generation intensification derived from localization conjugated π -orbitals in O_2^{2+} . <i>Chemical Communications</i> , 2018, 54, 1445-1448.	2.2	33
3558	$PbGa_2GeS_6$: An Infrared Nonlinear Optical Material Synthesized by an Intermediate-Temperature Self-Fluxing Method. <i>Crystal Growth and Design</i> , 2018, 18, 1162-1167.	1.4	30
3559	$Pb_3(SeO_3)Br_4$: a new nonlinear optical material with enhanced SHG response designed via an ion-substitution strategy. <i>Dalton Transactions</i> , 2018, 47, 1911-1917.	1.6	29
3560	Synthesis, second-harmonic generation (SHG), and photoluminescence (PL) properties of noncentrosymmetric bismuth selenite solid solutions, $Bi_{2-x}Ln_xSeO_5$ ($Ln = La$ and Eu ; $x = 0-0.3$). <i>Solid State Sciences</i> , 2018, 76, 105-110.	1.5	1
3561	Reinvestigation of the crystal structure, vibrational spectroscopic studies and DFT calculations of 4,4'-bipyridinium dinitrate: An efficient SHG material for electro-optic devices. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 120, 223-230.	1.9	7
3562	Crystal packing, high-temperature phase transition, second-order nonlinear optical and biological activities in a hybrid material: [(S) C7H16N2][CuBr4]. <i>Journal of Molecular Structure</i> , 2018, 1167, 316-326.	1.8	11
3563	Controlled Growth of Layered Acentric $CdTeMoO_6$ Single Crystals with Linear and Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2018, 18, 3376-3384.	1.4	31
3564	Synthesis, Growth, and Characterization of a New Thiourea and Bismuth Chloride Complex with Excellent Nonlinear Optical Properties. <i>Transactions of Tianjin University</i> , 2018, 24, 532-537.	3.3	6
3565	Exploring the Corundum Structure as a Host for Colored Compounds - Synthesis, Structures, and Optical Studies of $(M^{2+})_3TeO_6$ ($M = Mg, Mn, Co, Ni, Zn$; $M^{2+} = Mg, Mn, Co, Ni, Cu$). <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2277-2284.	1.0	12
3566	Water soluble (Ln^{3+}) doped nanoparticle: Retention of strong luminescence. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0

#	ARTICLE	IF	CITATIONS
3567	Synthesis and characterization of multifunctional homochiral 1-D aminoacetic acid potassium metal organic framework. <i>Journal of Organometallic Chemistry</i> , 2018, 866, 206-213.	0.8	7
3568	Synthesis, crystal structure, thermal and nonlinear optical properties of new metal-organic single crystal: Tetrabromo (piperazinium) zincate (II) (TBPZ). <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
3569	Growth and characterization of L-histidinium perchlorate crystals (LHP). <i>Materials Today: Proceedings</i> , 2018, 5, 3361-3368.	0.9	4
3570	Synthesis, crystal structure, thermal, mechanical and laser damage threshold studies of an NLO active organic molecular adduct: 4-Acetylpyridine:4-aminobenzoic acid. <i>Materials Letters</i> , 2018, 222, 118-121.	1.3	13
3571	Crystal growth, experimental and theoretical investigations of organic NLO material 4-nitrophthalimide. <i>Optik</i> , 2018, 166, 307-316.	1.4	9
3572	A Series of Mixed-Metal Germanium Iodates as Second-Order Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2018, 30, 2443-2452.	3.2	61
3573	CsSiB ₃ O ₇ : A Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material Discovered by the Combination of Electron Diffraction and First-Principles Calculations. <i>Chemistry of Materials</i> , 2018, 30, 2203-2207.	3.2	39
3574	RbSe ₃ B ₂ O ₉ (OH) and CsSe ₃ B ₂ O ₉ (OH): one dimensional boroselenite-based anionic frameworks with second harmonic generation properties. <i>Dalton Transactions</i> , 2018, 47, 5764-5770.	1.6	11
3575	Investigation of non linear optical tyrosine cadmium chloride single crystals grown by solution growth technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9083-9089.	1.1	3
3576	Process development and characterization of centrosymmetric semiorganic nonlinear optical crystal: 4-dimethylaminopyridine potassium chloride. <i>Physica B: Condensed Matter</i> , 2018, 538, 199-206.	1.3	26
3577	Synthesis, crystal growth, optical, thermal, and mechanical properties of a nonlinear optical single crystal: ammonium sulfate hydrogen sulphamate (ASHS). <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	8
3578	Influence of A-site cations on germanium iodates as mid-IR nonlinear optical materials: A ₂ Ge(IO ₃) ₆ (A = Li, K, Rb and Cs) and BaGe(IO ₃) ₆ ·H ₂ O. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4698-4705.	2.7	30
3579	Growth and characterization of pure and Ca ²⁺ doped MnHg(SCN) ₄ single crystals. <i>Journal of Crystal Growth</i> , 2018, 490, 46-50.	0.7	2
3580	Creatininium 4-nitrobenzoate – A phase matchable organic nonlinear optical material with large laser-induced damage threshold value for optoelectronics applications. <i>Optics and Laser Technology</i> , 2018, 105, 106-113.	2.2	12
3581	Novel report on SHG efficiency, Z-scan, laser damage threshold, photoluminescence, dielectric and surface microscopic studies of hybrid inorganic ammonium zinc sulphate hydrate single crystal. <i>Optics and Laser Technology</i> , 2018, 104, 83-89.	2.2	43
3582	Influence of Nd ³⁺ on zinc tris-thiourea sulphate single crystal: a comparative crystal growth, structural, linear and nonlinear optical and dielectric study to explore NLO device applications. <i>Materials Research Innovations</i> , 2018, 22, 99-106.	1.0	45
3583	Growth and characterization of organometallic NLO material: cesium hcontri hydrogen tartrate. <i>Materials Research Innovations</i> , 2018, 22, 294-301.	1.0	8
3584	Experimental and Theoretical Investigations of Tetrakis (Thiourea) Palladium Chloride Semi-Organic Non-Linear Optical Crystal: An Approach to NLO Application. <i>Silicon</i> , 2018, 10, 841-850.	1.8	5

#	ARTICLE	IF	CITATIONS
3585	Studies on the growth and characterization of an organic single crystal " 1,3,5- Triphenylbenzene. Materials Research Innovations, 2018, 22, 1-6.	1.0	10
3586	Investigations on the growth, structural, optical, mechanical, dielectric and SHG behaviour of GPMG crystals. Materials Research Innovations, 2018, 22, 115-120.	1.0	2
3587	Synthesis, growth, characterization and quantum chemical investigations of a promising organic nonlinear optical material: Thiourea-glutaric acid. Journal of Molecular Structure, 2018, 1171, 915-925.	1.8	28
3588	Crystal growth and characterization of new nonlinear optical piperidine derivative: (4-hydroxypiperidin-1-yl)(4-methylphenyl) methanone. Journal of Molecular Structure, 2018, 1154, 496-503.	1.8	11
3589	Spectroscopic investigations using density functional theory on 2-methoxy-4(phenyliminomethyl)phenol: A non linear optical material. Journal of Molecular Structure, 2018, 1155, 249-259.	1.8	5
3590	Third order nonlinear optical properties and optical limiting behaviour of sodium penta borate. Journal of Materials Science: Materials in Electronics, 2018, 29, 558-567.	1.1	15
3591	Effect of cobalt (Co ²⁺) concentration on structural, optical, thermal and mechanical properties of potassium acid phthalate (KAP) crystals. Journal of Materials Science: Materials in Electronics, 2018, 29, 1777-1784.	1.1	3
3592	Effect of gamma and neutron irradiation on structural and optical properties of ammonium dihydrogen phosphate single crystals. Optik, 2018, 156, 224-230.	1.4	4
3593	Systematic analysis on linear and nonlinear optical traits of citrulline doped NH ₄ H ₂ PO ₄ (ADP) crystal. Optik, 2018, 154, 435-440.	1.4	27
3594	HOMO-LUMO analysis of multi walled carbon nanotubes doped Tetrafluoro Phthalate crystals for nonlinear optical applications. Journal of Molecular Structure, 2018, 1152, 351-360.	1.8	14
3595	Synthesis, structure and characterization of a hybrid centrosymmetric material (4-dimethylaminopyridinium nitrate gallic acid monohydrate) well-designed for non-linear optics. Journal of Molecular Structure, 2018, 1151, 126-134.	1.8	15
3596	Nonlinear optical and microscopic analysis of Cu ²⁺ doped zinc thiourea chloride (ZTC) monocrystal. Optics and Laser Technology, 2018, 99, 197-202.	2.2	24
3597	Crystal growth, structural, spectral, thermal, dielectric, linear and nonlinear optical characteristics of a new organic acentric material: L-Methionine-Succinic acid (2/1). Journal of Molecular Structure, 2018, 1155, 101-109.	1.8	35
3598	Growth, spectral, thermal, electrical, mechanical and nonlinear optical properties of organic single crystal "Amino" (1-methylphenyl) pyridinium bromide. Optik, 2018, 157, 774-786.	1.4	8
3599	Structural, optical, thermal and theoretical investigations on high efficiency NLO crystal: 4-Nitrobenzonitrile. Optik, 2018, 157, 1078-1086.	1.4	0
3600	Experimental and quantum chemical studies on N H O hydrogen bonded helical chain type Morpholinium 2-chloro-4-nitrobenzoate: A phasematchable organic nonlinear optical material. Journal of Molecular Structure, 2018, 1156, 264-272.	1.8	22
3601	Synthesis and physicochemical properties of bis(L-asparaginato) zinc(II): A promising new semiorganic crystal with high laser damage threshold for shorter wavelength generation. Optics and Laser Technology, 2018, 101, 248-256.	2.2	11
3602	Second-Harmonic and Terahertz Generation in a Prussian-Blue Analogue. European Journal of Inorganic Chemistry, 2018, 2018, 378-384.	1.0	3

#	ARTICLE	IF	CITATIONS
3603	Growth and characterization of semi-organic nonlinear optical (NLO) guanidinium trichloroacetate (GTCA) single crystal. <i>Optik</i> , 2018, 156, 707-719.	1.4	39
3604	Efficient Optical-THz Conversion Organic Crystals with Simultaneous Electron Withdrawing and Donating Halogen Substituents. <i>Advanced Optical Materials</i> , 2018, 6, 1700930.	3.6	27
3605	Synthesis of gallium oxynitride nanoparticles through hydrothermal reaction in the presence of acetylene black and their photocatalytic NO _x decomposition. <i>Nanoscale</i> , 2018, 10, 1837-1844.	2.8	41
3606	Twisted intramolecular charge transfer investigation of semi organic L-Glutamic acid hydrochloride single crystal for organic light-emitting and optical limiting applications. <i>Journal of Molecular Structure</i> , 2018, 1156, 733-744.	1.8	12
3607	Effect of dopant on the growth of (Bis) aminoacetic acid cadmium chloride single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3775-3779.	1.1	0
3608	Growth at Room Temperature and Investigation of Physicochemical Characteristics of New Semi-Organic Ba _x Ca _{1-x} C ₄ H ₄ O ₄ (x = 0.2, 0.4). <i>Opto-Quantum Electron.</i> 0.784311		
3609	Enhanced nonlinear optical activity and Ca ²⁺ -conductivity in $\text{Pb}(\text{VO}_4)_7$ ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1826-1837.	2.8	16
3610	Structural elucidation and physicochemical properties of an organic NLO crystal: 4-Nitrotoluene-2-sulphonic acid dihydrate. <i>Journal of Molecular Structure</i> , 2018, 1155, 598-609.	1.8	9
3611	K ₂ [B ₃ O ₃ (OH) ₅]: A new deep-UV nonlinear optical crystal with isolated [B ₃ O ₃ (OH) ₅] ²⁻ anionic groups. <i>Journal of Alloys and Compounds</i> , 2018, 735, 677-683.	2.8	28
3612	Synthesis, growth and characterization of L-Phenylalaninium methanesulfonate nonlinear optical single crystal. <i>Journal of Molecular Structure</i> , 2018, 1155, 758-764.	1.8	9
3613	Nonlinear Optical Crystal Rb ₄ Sn ₃ Cl ₂ Br ₈ : Synthesis, Structure, and Characterization. <i>Crystal Growth and Design</i> , 2018, 18, 380-385.	1.4	22
3614	Synthesis, structural, optical and thermal properties of N-methyl-N-aryl benzamide organic single crystals grown by a slow evaporation technique. <i>Journal of Molecular Structure</i> , 2018, 1156, 62-73.	1.8	20
3615	Chalcogenide glass-ceramics: Functional design and crystallization mechanism. <i>Progress in Materials Science</i> , 2018, 93, 1-44.	16.0	123
3616	Photoswitchable nonlinear optical properties of metal complexes. <i>Dalton Transactions</i> , 2018, 47, 13-22.	1.6	56
3617	On the Performance of Hybrid Functionals for Nonlinear Optical Properties and Electronic Excitations in Chiral Molecular Crystals: The Case of Butterfly-Shaped Dicinnamalacetone. <i>ChemPhysChem</i> , 2018, 19, 82-92.	1.0	9
3618	Growth, structural, optical and thermal properties of a new semiorganic NLO crystal: L-prolyl mercury (II) chloride. <i>Optics and Laser Technology</i> , 2018, 98, 12-18.	2.2	8
3619	Crystal Growth, Spectral, Optical and Thermal Studies of Thiourea Ammonium Acetate Doped Potassium Dihydrogen Phosphate Crystal for NLO Applications. <i>Ferroelectrics</i> , 2018, 537, 37-49.	0.3	8
3620	Growth and characterization of Imidazolium adipate (IA) single crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 668, 118-131.	0.4	7

#	ARTICLE	IF	CITATIONS
3621	New triple molybdate $\text{Rb}_2\text{AgIn}(\text{MoO}_4)_3$: synthesis, framework crystal structure and ion-transport behaviour. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1603-1609.	0.2	11
3622	<i>In situ</i> Observation of 15 mol% Ba-Substituted Strontium Tantalate up to 1773 K by Ultraviolet Laser Raman Spectroscopy. <i>Transactions of the Materials Research Society of Japan</i> , 2018, 43, 7-12.	0.2	2
3623	Interrelationship «Composition - Structure - Property» for Acentric Selenite Crystals. , 2018, , .		0
3624	Cation-tuned synthesis of the $\text{A}_2\text{SO}_4 \cdot \text{SbF}_3$ (A = Na ⁺ , Tl ⁺) properties. <i>Dalton Transactions</i> , 2018, 47, 17486-17492.	1.6	60
3626	Synthesis, growth and characterization of a new acentric 4-[4-(4-dimethylamino-phenyl)buta-1,3-dienyl]-1-methyl pyridinium <i>p</i> -chlorobenzenesulfonate dihydrate crystal for nonlinear optical applications. <i>New Journal of Chemistry</i> , 2018, 42, 18865-18872.	1.4	7
3627	$\text{Na}_3\text{Ca}_4(\text{TeO}_3)(\text{PO}_4)_3$: a new noncentrosymmetric tellurite phosphate with fascinating multimember-ring architectures and intriguing nonlinear optical performance. <i>Dalton Transactions</i> , 2018, 47, 17198-17201.	1.6	22
3628	Surface-step-terrace tuned second-order nonlinear optical coefficients of epitaxial ferroelectric BaTiO_3 films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11679-11685.	2.7	11
3629	$\text{Li}_8\text{NaRb}_3(\text{SO}_4)_6 \cdot 2\text{H}_2\text{O}$ as a new sulfate deep-ultraviolet nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12240-12244.	2.7	66
3630	Growth, characterization, NLO and biological activities of Fe(III) ions doped Mn(II) L-Histidine hydrochloride monohydrate crystals. <i>Materials Today: Proceedings</i> , 2018, 5, 26380-26388.	0.9	0
3631	Structural, Optical and Mechanical Studies on a Novel Nonlinear Optical Material: L-Arginine Potassium Penta Borate(LAKB5) Crystals. <i>Materials Today: Proceedings</i> , 2018, 5, 17730-17736.	0.9	4
3632	An Investigation on the Growth and Characterization of. <i>Materials Today: Proceedings</i> , 2018, 5, 14225-14229.	0.9	2
3633	Growth and Characterization of Non-linear Optical DL-methionine Doped Copper Sulphate (MCS) Single Crystal. <i>Materials Today: Proceedings</i> , 2018, 5, 17709-17716.	0.9	2
3634	Crystal growth and optical characterization of an organic single crystal for frequency conversion applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 360, 012057.	0.3	4
3635	Two Lanthanide Borate Chlorides $\text{LnB}_4\text{O}_6(\text{OH})_2\text{Cl}$ (Ln = La, Ce) with Wide Ultraviolet Transmission Windows and Large Second-Harmonic Generation Responses. <i>Inorganic Chemistry</i> , 2018, 57, 14953-14960.	1.9	14
3636	State of the Art of Boron and Tin Complexes in Second- and Third-Order Nonlinear Optics. <i>Inorganics</i> , 2018, 6, 131.	1.2	15
3637	[[<i>R</i>]-C ₈ H ₁₂ N ₄][Bi ₂ Br ₁₀] and [[<i>S</i>]-C ₈ H ₁₂ N ₄][Bi ₂ Br ₁₀]: Chiral Hybrid Bismuth Bromides Templated by Chiral Organic Cations. <i>ACS Omega</i> , 2018, 3, 17895-17903.	1.6	54
3638	Scaled Quantum Chemical Studies and Vibrational Spectra of Conjugated Structure 2-Benzylidenehydrazinocarbothioamide. <i>Optics and Spectroscopy (English Translation of Optika I)</i> Tj ETQq0 0 0 rgBT.4Overlook 10 Tf 50		
3639	Linear-nonlinear optical, dielectric and surface microscopic investigation of KH_2PO_4 crystal to uncover the decisive impact of dopant glycine. <i>Materials Science-Poland</i> , 2018, 36, 662-667.	0.4	19

#	ARTICLE	IF	CITATIONS
3640	Estimation of the Rashba Strength from Second Harmonic Generation in 2D and 3D Hybrid Organic-Inorganic Perovskites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29607-29612.	1.5	12
3641	Na ₄ Yb(CO ₃) ₃ F: A New UV Nonlinear Optical Material with a Large Second Harmonic Generation Response. <i>Crystals</i> , 2018, 8, 381.	1.0	5
3642	Synthesis, crystal structure, optical and third order nonlinear optical properties of phosphoric acid pyridine-1-ium-2-carboxylate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19710-19723.	1.1	8
3643	Crystal Chemistry, Optical Spectroscopy and Crystal Field Calculations of Co ₃ TeO ₆ and Solid Solutions Co _{3-x} Zn _x TeO ₆ . <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4221-4233.	1.0	6
3644	Synthesis, Structure, and Properties of the Non-Centrosymmetric Compound LiNaRbB ₅ O ₈ (OH) ₂ . <i>Crystal Growth and Design</i> , 2018, 18, 5745-5749.	1.4	2
3645	Sub-wavelength terahertz imaging through optical rectification. <i>Scientific Reports</i> , 2018, 8, 13492.	1.6	13
3646	Excellent Infrared Nonlinear Optical Crystals BaMO(IO ₃) ₅ (M = V, Ta) Predicted by First Principle Calculations. <i>Materials</i> , 2018, 11, 1809.	1.3	6
3647	Three Alumino/Galloborate Frameworks Templated by Organic Amines: Syntheses, Structures, and Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2018, 57, 13505-13512.	1.9	19
3648	Organic Three-Component Single Crystals with Pseudo-Isomorphic Cocrystallization for Nonlinear Optics and THz Photonics. <i>Advanced Functional Materials</i> , 2018, 28, 1805257.	7.8	28
3649	Three-Dimensional Printing of Nonlinear Optical Lenses. <i>ACS Omega</i> , 2018, 3, 11558-11561.	1.6	5
3650	Ba ₂ NaClP ₂ O ₇ : Unprecedented Phase Matchability Induced by Symmetry Breaking and Its Unique Fresnoite-Type Structure. <i>Journal of the American Chemical Society</i> , 2018, 140, 14082-14086.	6.6	204
3651	Structural Reasons for the Nonlinear Optical Properties of KTP Family Single Crystals. <i>Crystals</i> , 2018, 8, 283.	1.0	26
3652	A hydrogen-bonded inorganic-organic network with noncentrosymmetric structure exhibiting second-order nonlinear optical response. <i>Inorganic Chemistry Communication</i> , 2018, 98, 150-153.	1.8	1
3653	Cadmium Iodate Syntheses and Characterization. , 0, , .		1
3654	Growth and Characterization of L-Leucenium Hydrogen Maleate Single Crystals for Nonlinear Optical Applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 360, 012044.	0.3	1
3655	Growth, effect of protonation and hydrogen bonding interactions of L-Histidine nitrate monohydrate, a potential semi organic third order nonlinear optical material. <i>Optical Materials</i> , 2018, 86, 198-212.	1.7	9
3656	BaB ₂ S ₄ : An Efficient and Air-Stable Thioborate as Infrared Nonlinear Optical Material with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2018, 30, 7428-7432.	3.2	67
3657	A new metal-organic nonlinear optical material: L-Asparagine Indium chloride (LAI) for photonics application. <i>Chinese Journal of Physics</i> , 2018, 56, 2773-2781.	2.0	12

#	ARTICLE	IF	CITATIONS
3658	Crystal growth, physical properties, and theoretical investigation on organic acentric single crystal towards efficient second-order NLO applications: Triphenylguanidine. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	4
3659	Synthesis and Characterization of Non-Linear Optical Crystal of Manganese Mercury Thiocyanate Glycol Monomethyl Ether. <i>Materials Research</i> , 2018, 21, .	0.6	4
3660	Gamma glycine crystal for efficient second harmonic generation of 1064â€nm Nd:YAG laser light. <i>Materials Letters</i> , 2018, 233, 238-241.	1.3	23
3661	Growth and Evaluation of Linear Optical, Nonlinear Optical, Thermal, Mechanical and Magnetic Properties of Lithium Sodium Sulfate Single Crystals. <i>Crystal Research and Technology</i> , 2018, 53, 1800114.	0.6	10
3662	Nonlinear optical properties of lead-free ferroelectric nanostructured perovskite. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	7
3663	A facile synthesis of two new IR optical perovskites based on 1,4-diazabicyclo[2,2,2]octane with a high laser damage threshold. <i>Dalton Transactions</i> , 2018, 47, 14497-14502.	1.6	1
3664	Solvothermal Synthesis of Ferroelectric BaTiO ₃ Nanoparticles and Their Application to Dye-sensitized Solar Cells. <i>Journal of the Korean Physical Society</i> , 2018, 73, 627-631.	0.3	9
3665	Growth and characterization study of Î± and Î² polymorphs of l-glutamic acid single crystals in the presence of ammonium sulphate. <i>Journal of Crystal Growth</i> , 2018, 502, 64-70.	0.7	4
3666	Rational Design of a LiNbO ₃ -like Nonlinear Optical Crystal, Li ₂ ZrTeO ₆ , with High Laser-Damage Threshold and Wide Mid-IR Transparency Window. <i>Journal of the American Chemical Society</i> , 2018, 140, 13089-13096.	6.6	108
3667	Centrosymmetric (NH ₄) ₂ SbCl(SO ₄) ₂ and Non-centrosymmetric (NH ₄)SbCl ₂ (SO ₄): Synergistic Effect of Hydrogen-Bonding Interactions and Lone-Pair Cations on the Framework Structures and Macroscopic Centricities. <i>Crystal Growth and Design</i> , 2018, 18, 6239-6247.	1.4	71
3668	First-Principles Crystal Engineering of Nonlinear Optical Materials. II. Effect of Halogen Bonds on the Structure and Properties of Triiodobenzenes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22622-22631.	1.5	14
3669	PbTeGeO ₆ : polar rosiite-type germanate featuring a two dimensional layered structure. <i>Dalton Transactions</i> , 2018, 47, 16388-16392.	1.6	15
3670	Investigations of organicâ€inorganic hybrids based on homopiperidinium cation with haloantimonates(<i>iii</i>) and halobismuthates(<i>iii</i>). Crystal structures, reversible phase transitions, semiconducting and molecular dynamic properties. <i>Dalton Transactions</i> , 2018, 47, 13507-13522.	1.6	25
3671	Crystal growth and investigation of novel semi organic single crystal: l-malic acid sodium nitrate for photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18449-18457.	1.1	10
3672	Synthesis, crystal growth, physio-chemical characterization and quantum chemical calculations of NLO active metalâ€organic crystal: dibromo(4-hydroxy-l-proline)cadmium(<i>ii</i>) for non-linear optical applications. <i>New Journal of Chemistry</i> , 2018, 42, 17464-17477.	1.4	8
3673	Growth, structural and mechanical studies of phthalic acid single crystals grown in two different solutions. <i>Materials Research Express</i> , 2018, 5, 115101.	0.8	6
3674	Czochralski Growth and Characterization of a Novel Nonlinear Optical Crystal Te ₂ P ₂ O ₉ . <i>Crystal Growth and Design</i> , 2018, 18, 5919-5926.	1.4	20
3675	PbCdF(SeO ₃)(NO ₃): A Nonlinear Optical Material Produced by Synergistic Effect of Four Functional Units. <i>Inorganic Chemistry</i> , 2018, 57, 11839-11846.	1.9	38

#	ARTICLE	IF	CITATIONS
3676	$K_2MnGe_3S_8$: a new multifunctional semiconductor featuring $[MnGe_3S_8]^{2+}$ layers and demonstrating interesting nonlinear optical response and antiferromagnetic properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10042-10049.	2.7	22
3677	Spectral, nonlinear optical and optical limiting properties of L-phenylalanine L-phenylalaninium formate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 147-157.	2.0	4
3678	Strong Infrared Nonlinear Optical Efficiency and High Laser Damage Threshold Realized in Quaternary Alkali Metal Sulfides Na_2GaMS_6 (M = Ge, Sn) Containing Mixed Nonlinear Optically Active Motifs. <i>Inorganic Chemistry</i> , 2018, 57, 6783-6786.	1.9	40
3679	$LiGa_2PS_6$ and $LiCd_3PS_6$: Molecular Designs of Two New Mid-Infrared Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2018, 30, 3901-3908.	3.2	71
3680	Nonlinear-Optical Behaviors of a Chiral Metal-Organic Framework Comprised of an Unusual Multioriented Double-Helix Structure. <i>Inorganic Chemistry</i> , 2018, 57, 6210-6213.	1.9	42
3681	Exploration of new UV nonlinear optical materials in the sodium-zinc fluoride carbonate system with the discovery of a new regulation mechanism for the arrangement of $[CO_3]^{2-}$ groups. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6526-6533.	2.7	19
3682	Influence of L-lysine on optical and dielectric traits of cadmium thiourea acetate complex crystal. <i>Optik</i> , 2018, 170, 43-47.	1.4	24
3683	Mg_2Si_2As : An Unexplored System with Promising Nonlinear Optical Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1801589.	7.8	38
3684	High pressure synthesis and magnetic properties of corundum-type Ga _{1-x} Al _x FeO ₃ (x = 0, 0.25, 0.5). <i>Journal of Solid State Chemistry</i> , 2018, 265, 79-84.	1.4	2
3685	New strategy for designing promising mid-infrared nonlinear optical materials: narrowing the band gap for large nonlinear optical efficiencies and reducing the thermal effect for a high laser-induced damage threshold. <i>Chemical Science</i> , 2018, 9, 5700-5708.	3.7	104
3686	Experimental and computational studies of L-tartaric acid single crystal grown at optimized pH. <i>Journal of Molecular Structure</i> , 2018, 1170, 151-159.	1.8	44
3687	Investigation on crystal growth and characterization of organic nonlinear optical triphenylmethane single crystal by vertical Bridgman technique. <i>Journal of Crystal Growth</i> , 2018, 496-497, 43-50.	0.7	11
3688	From $Sr_2Nb_2O_7$ to $Ca_2Sr_2Nb_2O_7$: An Effective Enhancement of Nonlinear Optical Activity by a Simple Way of Cation Substituting. <i>Crystal Growth and Design</i> , 2018, 18, 4140-4149.	1.4	9
3689	Exploring Potential Beryllium-free, Deep-Ultraviolet Optical Crystals in the Rare Earth Fluoride Carbonate-Water System. <i>Crystal Growth and Design</i> , 2018, 18, 3644-3653.	1.4	30
3690	$M_3P_3O_9$ (M = Rb, Cd) Tj ETQq0 0 0 rgBT /Overlo Substitution Application in Cyclophosphate Family and Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2018, 57, 7372-7379.	1.9	26
3691	Combination of N-Arylstilbazolium Organic Nonlinear Optical Chromophores with Iodoargentates: Structural Diversities and Optical Properties. <i>Crystal Growth and Design</i> , 2018, 18, 3827-3840.	1.4	15
3692	Yellow-Colored Electro-Optic Crystals as Intense Terahertz Wave Sources. <i>Advanced Functional Materials</i> , 2018, 28, 1801143.	7.8	32
3693	Strong SHG Response via High Orientation of Tetrahedral Functional Motifs in Polyselenide $A_2Ge_4Se_{10}$ (A = Rb, Cs). <i>Advanced Optical Materials</i> , 2018, 6, 1800156.	3.6	29

#	ARTICLE	IF	CITATIONS
3694	NH ₄ Be ₂ BO ₃ F ₂ and β -Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 9106-9110.	1.6	63
3695	Variable Asymmetric Chains in Transition Metal Oxyfluorides: Structure-Second-Harmonic-Generation Property Relationships. <i>Inorganic Chemistry</i> , 2018, 57, 6702-6709.	1.9	14
3696	Hydrogen Bonding Assisted Construction of Graphite-like Deep-UV Optical Materials with Two Types of Parallel π -Conjugated Units. <i>Crystal Growth and Design</i> , 2018, 18, 4756-4765.	1.4	18
3697	Sn[B ₂ O ₃ F ₂]-The First Tin Fluorooxoborate as Possible NLO Material. <i>Advanced Optical Materials</i> , 2018, 6, 1800497.	3.6	89
3698	Synthesis, Characterization, and Optical Properties of Organic-Inorganic Hybrid Layered Materials: A Solvent-Free Ligand-Controlled Dimensionality Approach Based on Metal Sulfates and Aromatic Diamines. <i>Crystal Growth and Design</i> , 2018, 18, 5029-5037.	1.4	15
3699	L-Lysine doped Oxalic acid single crystals - A potential phase matchable organic material for optical limiting applications. <i>Optics and Laser Technology</i> , 2018, 107, 478-483.	2.2	9
3700	Nonlinear Optical Properties of Nanomaterials. , 2018, , 301-334.		6
3701	Non-centrosymmetric BaNaP ₃ O ₉ with a short deep-ultraviolet cutoff edge. <i>Journal of Alloys and Compounds</i> , 2018, 764, 170-176.	2.8	11
3702	Synthesis and electronic structure studies of a novel nonlinear optical crystal L-leucinium squarate monohydrate: A spectroscopic view. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 122, 143-153.	1.9	11
3703	Analysis on linear and nonlinear optical properties of an efficient semi-organic crystal: Thiourea borate. <i>Optics and Laser Technology</i> , 2018, 107, 428-434.	2.2	17
3704	Ferroelectricity and Ferroelasticity in Organic Inorganic Hybrid (Pyrrolidinium) ₃ [Sb ₂ Cl ₉]. <i>Chemistry of Materials</i> , 2018, 30, 4597-4608.	3.2	65
3705	The must-have and nice-to-have experimental and computational requirements for functional frequency doubling deep-UV crystals. <i>Nature Communications</i> , 2018, 9, 2972.	5.8	137
3706	Toward First-Principles Design of Organic Nonlinear Optical Materials: Crystal Structure Prediction and Halogen Bonding Impact on Hyperpolarizabilities of 2-Iodo-3-hydroxypyridine. <i>Crystal Growth and Design</i> , 2018, 18, 5069-5079.	1.4	22
3707	NLO properties of a triphenylguanidine salt: The importance of pseudo-symmetry. <i>Optical Materials</i> , 2018, 84, 606-613.	1.7	14
3708	Ba ₃ Mg ₃ (BO ₃) ₃ F ₃ polymorphs with reversible phase transition and high performances as ultraviolet nonlinear optical materials. <i>Nature Communications</i> , 2018, 9, 3089.	5.8	314
3709	Optical, photoconductivity and dielectric studies of zinc sulphate added glycine crystal for photonics applications. <i>Optik</i> , 2018, 173, 65-70.	1.4	6
3710	Growth and characterisation of 5-nitro-2-furaldehyde diacetate single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16074-16079.	1.1	3
3711	Investigation on organic-inorganic hybrid NLO crystal L-Valine Potassium Penta Borate octa hydrate (LVPPB) for NLO applications. <i>Optik</i> , 2018, 172, 674-679.	1.4	29

#	ARTICLE	IF	CITATIONS
3712	Solvent-free synthesis of inorganic-organic hybrid solids with chainlike, layered, and open-framework structures. <i>Inorganic Chemistry Communication</i> , 2018, 95, 8-11.	1.8	4
3713	The crystal structure and phase transitions of LiBaPO ₄ . <i>Solid State Sciences</i> , 2018, 83, 76-81.	1.5	7
3714	Combined experimental and theoretical investigation of l-Histidinium trichloro zinc: a novel nonlinear optical material. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14827-14834.	1.1	13
3715	Two noncentrosymmetric polyphosphates featuring infinite one-dimensional (PO ₃) ⁿ chain, LiMP ₂ O ₆ (M = Rb, Cs): Synthesis, structure and optical properties. <i>Journal of Solid State Chemistry</i> , 2018, 266, 150-154.	1.4	6
3716	A noncentrosymmetric coordination polymer based on the benzophenone-3,3'-disulfonyl-4,4'-dicarboxylate ligand exhibiting second-harmonic-generation responses. <i>Inorganic Chemistry Communication</i> , 2018, 95, 107-110.	1.8	5
3717	Growth and characterization study of Î ³ -glycine crystal grown using different mole concentrations of zinc sulphate as structure-directing agents. <i>Journal of Crystal Growth</i> , 2018, 498, 372-376.	0.7	8
3718	Can SHG Measurements Determine the Polarity of Hybrid Lead Halide Perovskites?. <i>ACS Energy Letters</i> , 2018, 3, 1887-1891.	8.8	22
3719	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. <i>Chemistry of Materials</i> , 2018, 30, 5397-5403.	3.2	193
3720	Ternary Mixed-Metal Cd ₄ GeS ₆ : Remarkable Nonlinear-Optical Properties Based on a Tetrahedral-Stacking Framework. <i>Inorganic Chemistry</i> , 2018, 57, 8730-8734.	1.9	29
3721	Synthesis, Spectral and Biological Studies of Complexes with Bidentate Azodye Ligand Derived from Resorcinol and 1-Amino-2-Naphthol-4-Sulphonic Acid. <i>Oriental Journal of Chemistry</i> , 2018, 34, 45-54.	0.1	10
3722	Second Harmonic Generation in Thin Zinc Sulfide Films. <i>Physics of Wave Phenomena</i> , 2018, 26, 9-15.	0.3	0
3723	Growth, Crystal Structure, Theoretical Analysis and Properties of Te ⁴⁺ -Doped KTiOPO ₄ . <i>Journal of Electronic Materials</i> , 2018, 47, 3902-3911.	1.0	1
3724	Perfect balance harmony in Ba ₂ NO ₃ (OH) ₃ : a beryllium-free nitrate as a UV nonlinear optical material. <i>Chemical Communications</i> , 2018, 54, 5792-5795.	2.2	143
3725	NH ₄ Be ₂ BO ₃ F ₂ and Î ³ Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8968-8972.	7.2	200
3726	Dual emissions and thermochromic luminescences of isomorphous chiral twofold interpenetrated 3-D nets built from l ¹ o ² type hybrid inorganic-organic frameworks of [NH ₂ (CH ₃) ₂] ₃ [Pb ₂ X ₃ (BDC) ₂] (X = Br, I). <i>Dalton Transactions</i> , 2018, 47, 14233-14240.	1.6	5
3727	Powder sum-frequency generation as a versatile method for infrared optical alignment. <i>Applied Optics</i> , 2018, 57, 2577.	0.9	0
3728	Synthesis and Characterization of the First Tin Fluoride Borate Sn ₃ [B ₃ O ₇]F with Second Harmonic Generation Response. <i>Chemistry - A European Journal</i> , 2018, 24, 16036-16043.	1.7	26
3729	On the origin of ferroelectric structural phases in perovskite-like metal-organic formate. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9420-9429.	2.7	34

#	ARTICLE	IF	CITATIONS
3730	Study on growth, electronic structure, topological and nonlinear optical properties of semi organic material sodium sulfanilate dehydrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17887-17902.	1.1	3
3731	Mg ₃ B ₇ O ₁₃ Cl: A New Quasi-Phase Matching Crystal in the Deep-Ultraviolet Region. <i>Advanced Functional Materials</i> , 2018, 28, 1804089.	7.8	40
3732	Theoretical and experimental approach to the investigation of hyperpolarizability and charge transfer characteristics of NLO active 2,3,4,4,5-pentamethoxy chalcone with silver atoms adsorbed. <i>Optical Materials</i> , 2018, 84, 409-421.	1.7	13
3733	Synthesis, crystal structure, growth and characterization of an optical organic material: 4-Aminopyridinium Trichloro acetate single crystal. <i>Optical Materials</i> , 2018, 84, 864-869.	1.7	15
3734	Modifying Disordered Sites with Rational Cations to Regulate Band-Gaps and Second Harmonic Generation Responses Markedly: Ba ₆ Li ₂ ZnSn ₄ S ₁₆ vs Ba ₆ Ag ₂ ZnSn ₄ S ₁₆ vs Ba ₆ Li ₂ Sn ₄ S ₁₆ . <i>Crystal Growth and Design</i> , 2018, 18, 5609-5616.	1.4	21
3735	Synthesis, crystal growth, thermal and laser damage threshold properties of new Schiff base NLO material 4-Nitro-benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide. <i>Materials Letters</i> , 2018, 232, 113-117.	1.3	14
3736	Ferrocene-appended donor-acceptor Schiff base: Structural, nonlinear optical, aggregation-induced emission and density functional theory studies. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4522.	1.7	29
3737	The first investigation of europium silicate melilite for second-order nonlinear optical application: experimental and theoretical studies. <i>Dalton Transactions</i> , 2018, 47, 13434-13441.	1.6	19
3738	Function of Tetrahedral ZnS ₃ O Building Blocks in the Formation of SrZn ₂ S ₂ O: A Phase Matchable Polar Oxysulfide with a Large Second Harmonic Generation Response. <i>Chemistry of Materials</i> , 2018, 30, 6486-6493.	3.2	64
3739	Zn ₃ P ₂ S ₈ : A Promising Infrared Nonlinear-Optical Material with Excellent Overall Properties. <i>Inorganic Chemistry</i> , 2018, 57, 10503-10506.	1.9	55
3740	Nonbonding Electrons Driven Strong SHG Effect in Hg ₂ GeSe ₄ : Experimental and Theoretical Investigations. <i>Inorganic Chemistry</i> , 2018, 57, 6795-6798.	1.9	43
3741	Crystal engineering, structural and optical properties of 2-aminopyridinium diphenylacetate diphenylacetic acid crystal. <i>Journal of Crystal Growth</i> , 2018, 498, 115-123.	0.7	5
3742	Crystal growth and characterization of second- and third-order nonlinear optical chalcone derivative: (E)-3-(5-bromo-2-thienyl)-1-(4-nitrophenyl)prop-2-en-1-one. <i>Journal of Applied Crystallography</i> , 2018, 51, 1035-1042.	1.9	28
3743	2-Amino-6-methylpyridinium nitrophenolate nitrophenol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1059-1070.	2.0	4
3744	Assisting the Effective Design of Polar Iodates with Early Transition-Metal Oxide Fluoride Anions. <i>Journal of the American Chemical Society</i> , 2018, 140, 8868-8876.	6.6	166
3745	Investigation on optical, thermal, mechanical, dielectric and ferroelectric properties of non linear optical single crystal guanidinium manganese sulphate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12526-12535.	1.1	11
3746	Growth, piezoelectric study and particle size dependent SHG of an 80-µm long SR grown imidazolium l-tartrate single crystals. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
3747	Enhanced physical properties of potassium zinc sulphate hydrate single crystal following iodide doping. <i>Materials Research Express</i> , 2018, 5, 066207.	0.8	3

#	ARTICLE	IF	CITATIONS
3748	Structural, optical, dielectric, second and third-order nonlinear properties of new semiorganic crystal: Sodium (bis) boro succinate. <i>Journal of Molecular Structure</i> , 2019, 1177, 594-602.	1.8	14
3749	Synthesis, spectral, thermal, optical and dielectric studies of new arylidene NLO crystal: 2,6- <i>di</i> Bis (2,6-dichloro benzylidene) cyclohexanone. <i>Materials Research Innovations</i> , 2019, 23, 354-358.	1.0	2
3750	Efficient Gap-Free Broadband Terahertz Generators Based on New Organic Quinolinium Single Crystals. <i>Advanced Optical Materials</i> , 2019, 7, 1900953.	3.6	14
3751	Growth, Nucleation Kinetics and Structural Studies on L-Valine Piperazinium Single Crystals. <i>Asian Journal of Chemistry</i> , 2019, 31, 1966-1970.	0.1	2
3752	Cocrystals of 2-Aminopyrimidine with Boric Acid—Crystal Engineering of a Novel Nonlinear Optically (NLO) Active Crystal. <i>Crystals</i> , 2019, 9, 403.	1.0	9
3753	Family of Conglomerate-Forming Systems Composed of Chlocyphos and Alkyl-amine. Assessment of Their Resolution Performances by Using Various Modes of Preferential Crystallization. <i>Crystal Growth and Design</i> , 2019, 19, 5173-5183.	1.4	9
3754	Pb ₇ F ₁₂ Cl ₂ : a promising infrared nonlinear optical material with high laser damage threshold. <i>Dalton Transactions</i> , 2019, 48, 13529-13535.	1.6	13
3755	Luminescence and Nonlinear Optical Properties of Borates LnGa ₃ (BO ₃) ₄ (Ln = Nd, Sm, Tb, Er, Dy, or Ho). <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2019, 127, 107-112.	0.2	6
3756	Optimizing optical traits of ammonium zinc sulphate hydrate crystal exploiting Nd ³⁺ for photonic device applications. <i>Optik</i> , 2019, 197, 163219.	1.4	12
3757	BaCuSiTe ₃ : A Noncentrosymmetric Semiconductor with CuTe ₄ Tetrahedra and Ethane-like Si ₂ Te ₆ Units. <i>Inorganic Chemistry</i> , 2019, 58, 11656-11663.	1.9	7
3758	Structure and Properties of the Non-Centrosymmetric Manganese(II) Borate Mn ₅ (BO ₃) ₃ OH. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3854-3862.	1.0	0
3759	Large-sized benzo[<i>e</i>]indolium salt single crystals with high optical nonlinearity. <i>CrystEngComm</i> , 2019, 21, 5626-5632.	1.3	12
3760	Structural insights into three phosphates with distinct polyanionic configurations. <i>Dalton Transactions</i> , 2019, 48, 13406-13412.	1.6	10
3761	Design of a Multifunctional Indium-Organic Framework: Fluorescent Sensing of Nitro Compounds, Physical Adsorption, and Photocatalytic Degradation of Organic Dyes. <i>Inorganic Chemistry</i> , 2019, 58, 11220-11230.	1.9	71
3762	Pb ₁₀ O ₄ (BO ₃) ₃ I ₃ : a new noncentrosymmetric oxyborate iodide synthesized by the straightforward hydrothermal method. <i>Dalton Transactions</i> , 2019, 48, 14996-15001.	1.6	5
3763	Developing new Sr ₂ and D-fructopyranose-based metal-organic frameworks with nonlinear optical properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 210-218.	0.5	4
3764	The Growth and Properties of Guanylurea Hydrogen Phosphite Crystal. <i>Crystallography Reports</i> , 2019, 64, 669-677.	0.1	6
3765	Syntheses, structural variants and characterization of A ₂ CdSn ₂ S ₆ (A = Cs, Rb and K) compounds. <i>Journal of Solid State Chemistry</i> , 2019, 277, 713-720.	1.4	7

#	ARTICLE	IF	CITATIONS
3766	Synthesis and nonlinear optical properties of new gallium thiophosphate Rb ₂ Ga ₂ P ₂ S ₉ . New Journal of Chemistry, 2019, 43, 12468-12474.	1.4	7
3767	BaMnSnS ₄ and BaCdGeS ₄ : infrared nonlinear optical sulfides containing highly distorted motifs with centers of moderate electronegativity. Inorganic Chemistry Frontiers, 2019, 6, 2365-2368.	3.0	30
3768	Synthesis, Growth and Characterization of New Promising Organic Non-Linear Optical Crystal: L-Alanine Alaninium Nitrate. Asian Journal of Chemistry, 2019, 31, 1661-1666.	0.1	1
3769	A ₂ Bi ₂ (SO ₄) ₂ Cl ₄ (A = NH ₄ , K), Tj ETQq1 1 0.784314 rg birefringence in sulfate nonlinear optical materials. Journal of Materials Chemistry C, 2019, 7, 9900-9907.	2.7	63
3770	Growth and Characterizations of Organic NLO Imidazolium L-Tartrate (IMLT) Single Crystal. Advances in Condensed Matter Physics, 2019, 2019, 1-9.	0.4	22
3771	Determination of the Chemical Composition of Lithium Niobate Powders. Crystals, 2019, 9, 340.	1.0	11
3772	Crystal growth and characterization of 4-dimethylamino pyridinium 4-nitrophenolate 4-nitrophenol (DMAPNP) for NLO applications. AIP Conference Proceedings, 2019, , .	0.3	0
3773	Ba ₃ Ca ₄ (BO ₃) ₃ (SiO ₄)Cl: a new non-centrosymmetric complex alkaline-earth metal borosilicate chloride with a deep-ultraviolet cut-off edge. Inorganic Chemistry Frontiers, 2019, 6, 2200-2208.	3.0	16
3774	Experimental and quantum chemical investigations of 4-bromoanilinium hydrogen phthalate crystal for optoelectronic applications. Materials Research Express, 2019, 6, 095105.	0.8	8
3775	Rb ₇ SrY ₂ (B ₅ O ₁₀) ₃ : A Rare-Earth Pentaborate with Moderate Second-Harmonic Response and Interesting Phase-Matching Behavior. Inorganic Chemistry, 2019, 58, 8943-8947.	1.9	13
3776	Ba ₂ Si ₃ P ₆ : 1D Nonlinear Optical Material with Thermal Barrier Chains. Journal of the American Chemical Society, 2019, 141, 11976-11983.	6.6	66
3777	Analysis of some properties of alanine doped KDP single crystals grown by conventional, rotation and Sankaranarayanan-Ramasamy (SR) method. AIP Conference Proceedings, 2019, , .	0.3	1
3778	Ca ₂ GeB ₂ O ₇ and Ca _{1.78} Cd _{0.22} GeB ₂ O ₇ : two acentric borogermanates with a melilite-like structure and short ultraviolet cutoff edge. Inorganic Chemistry Frontiers, 2019, 6, 2304-2310.	3.0	11
3779	Linear optical properties and second-harmonic generation of (1-x)Pb(Mg _{1/3} Nb _{2/3} O ₃)xPbTiO ₃ single crystals. Ferroelectrics, 2019, 542, 112-119.	0.3	8
3780	AHgSnQ ₄ (A = Sr, Ba; Q = S, Se): A Series of Hg-Based Infrared Nonlinear-Optical Materials with Strong Second-Harmonic-Generation Response and Good Phase Matchability. Inorganic Chemistry, 2019, 58, 10390-10398.	1.9	49
3781	Growth, structural, third order nonlinear optical properties, dielectric properties, conductivity mechanisms and spectroscopic characterization of a luminescent material trans-diaqua-bis(pyridine-2-carboxylato)-cobalt(ii) dihydrate for optoelectronic applications. Optics and Laser Technology, 2019, 119, 105664.	2.2	5
3782	Sn ₂ Ga ₂ S ₅ : A Polar Semiconductor with Exceptional Infrared Nonlinear Optical Properties Originating from the Combined Effect of Mixed Asymmetric Building Motifs. Chemistry of Materials, 2019, 31, 6268-6275.	3.2	61
3783	Centrosymmetric Rb ₂ Mg ₃ (SO ₄) ₄ and non-centrosymmetric Cs ₂ Mg ₃ (SO ₄) ₄ with a phase-matching nonlinear optical response. Inorganic Chemistry Communication, 2019, 107, 107486.	1.8	20

#	ARTICLE	IF	CITATIONS
3784	Two Indium Sulfate Tellurites: Centrosymmetric $\text{In}_2(\text{SO}_4)_2(\text{TeO}_3)(\text{OH})_2(\text{H}_2\text{O})$ and Non-centrosymmetric $\text{In}_3(\text{SO}_4)_2(\text{TeO}_3)_2\text{F}_3(\text{H}_2\text{O})$. <i>Inorganic Chemistry</i> , 2019, 58, 11155-11163.	1.9	24
3785	Synthesis, structure and characterization of $\text{M}(\text{IO}_3)_2(\text{HIO}_3)$ (M = Tj ETQq1 1 0.784314 rgBT). <i>Transactions</i> , 2019, 48, 13074-13080.	1.6	7
3786	Solution growth of I^3 -glycine from cadmium sulphate as solvent for frequency doubling applications. <i>Materials Research Express</i> , 2019, 6, 095101.	0.8	0
3787	Growth, structural, optical, thermal, dielectric and second harmonic generation properties of 2-methylimidazolium malonate (2MIM) nonlinear optical single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14143-14150.	1.1	1
3788	Charge transfer interaction and vibrational spectral investigation of 2-amino-5-nitropyridinium sulfamate. <i>Spectroscopy Letters</i> , 2019, 52, 492-509.	0.5	3
3789	Characterization of all second-order nonlinear-optical coefficients of organic N-benzyl-2-methyl-4-nitroaniline crystal. <i>Scientific Reports</i> , 2019, 9, 14853.	1.6	22
3790	$\text{Cs}_2\text{Bi}_2\text{O}(\text{Ge}_2\text{O}_7)$ (CBGO): A Larger SHG Effect Induced by Synergistic Polarizations of BiO_5 Polyhedra and GeO_4 Tetrahedra. <i>Angewandte Chemie</i> , 2019, 131, 15502-15505.	1.6	14
3791	Growth and characterization of an organic non linear Optical single crystal: BisPicolonium Tartrate. <i>Materials Today: Proceedings</i> , 2019, 8, 444-448.	0.9	0
3792	Studies on Growth and Characterization of Nonlinear Optical Single Crystal L-Histidine Di Picrate. <i>Materials Today: Proceedings</i> , 2019, 8, 456-463.	0.9	3
3793	Antibacterial activity and physico-chemical properties of metal-organic single crystal: Zinc (Tris) thiourea chloride. <i>Chemical Data Collections</i> , 2019, 24, 100279.	1.1	12
3794	Density Functional Theoretical and Experimental investigation on L - Asparaginium Picrate-a nonlinear optical material. <i>Materials Today: Proceedings</i> , 2019, 8, 108-116.	0.9	3
3795	Growth and Spectroscopic Studies on the L-Tartaric Acid Doped Ammonium Dihydrogen Phosphate Non-Linear Optical Single Crystals. <i>Materials Today: Proceedings</i> , 2019, 8, 136-141.	0.9	5
3796	$\text{Rb}_{10}\text{Zn}_4\text{Sn}_4\text{S}_{17}$: A Chalcogenide with Large Laser Damage Threshold Improved from the Mn-Based Analogue. <i>Inorganic Chemistry</i> , 2019, 58, 15029-15033.	1.9	21
3797	Synthesis, growth, linear and nonlinear optical, electrical and surface studies of a hybrid nonlinear optical material: $[\text{Hg}_3\text{CdCl}_2(\text{SCN})_6]$. <i>Materials Research Express</i> , 2019, 6, 116205.	0.8	6
3798	$\text{Rb}_4\text{Li}_2\text{TiOGe}_4\text{O}_{12}$: A Titanyl Nonlinear Optical Material with the Widest Transparency Range. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18257-18260.	7.2	49
3799	$\text{Ag}_4\text{Hg}(\text{SeO}_3)_2(\text{SeO}_4)$: a novel SHG material created in mixed valent selenium oxides by in situ synthesis. <i>Science China Materials</i> , 2019, 62, 1821-1830.	3.5	20
3800	Effect of charge transfer and structure property relationship in D- π -A system. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
3801	$\text{KMg}(\text{H}_2\text{O})\text{PO}_4$: A Deep-Ultraviolet Transparent Nonlinear Optical Material Derived from KTiOPO_4 . <i>Chemistry of Materials</i> , 2019, 31, 9540-9545.	3.2	58

#	ARTICLE	IF	CITATIONS
3802	Effect of ZnO with alkali metals as an additive in the growth, structural, optical, electrical and mechanical properties of glycine single crystals. AIP Conference Proceedings, 2019, , .	0.3	2
3803	Single crystal growth, characterization, structure and NLO property relationship in an efficient phase matchable chalcone. AIP Conference Proceedings, 2019, , .	0.3	1
3804	Crystal Structure and Properties of a UVâ€Transparent Highâ€Pressure Polymorph of Mg_3TeO_6 with Second Harmonic Generation Response. European Journal of Inorganic Chemistry, 2019, 2019, 4668-4676.	1.0	8
3805	Crystal growth, optical bandgap, thermal, mechanical, dielectric studies on NLO active semiorganic 4-dimethylaminopyridine sodium chloride crystal for frequency conversion. Journal of Materials Science: Materials in Electronics, 2019, 30, 21199-21209.	1.1	7
3806	Cubic $\text{Fd}\bar{3}m$ $\text{Ba}_8\{\text{Ni,Mn}\}_4[\text{BP}_3\text{O}_{11}(\text{OH})_2]_4$ with anionic units of four-octahedral clusters and four borophosphate groups embedded into Ba-cations medium. Solid State Sciences, 2019, 98, 106013.	1.5	5
3807	Nontoxic KBBF Family Member $\text{Zn}_2\text{BO}_3(\text{OH})$: Balance between Beneficial Layered Structure and Layer Tendency. Advanced Science, 2019, 6, 1901679.	5.6	56
3808	$\text{Rb}_4\text{Li}_2\text{TiOGe}_4\text{O}_{12}$: A Titanyl Nonlinear Optical Material with the Widest Transparency Range. Angewandte Chemie, 2019, 131, 18425-18428.	1.6	21
3809	Fluorinated Organic Electroâ€Optic Quinolinium Crystals for THz Wave Generation. Advanced Optical Materials, 2019, 7, 1801495.	3.6	12
3810	Studies on third order nonlinear optical properties of Nickel Boro Phthalate NLO crystal. Materials Research Express, 2019, 6, 116213.	0.8	10
3811	$\text{Sn}_2\text{Ga}_2\text{S}_5$: A Type of IR Nonlinear-Optical Material. Inorganic Chemistry, 2019, 58, 12002-12006.	1.9	18
3812	$\text{Cs}_2\text{Bi}_2\text{O}(\text{Ge}_2\text{O}_7)$ (CBGO): A Larger SHG Effect Induced by Synergistic Polarizations of BiO_5 Polyhedra and GeO_4 Tetrahedra. Angewandte Chemie - International Edition, 2019, 58, 15358-15361.	7.2	60
3813	Synthesis, crystal structures and optical properties of noncentrosymmetric oxysulfides AeGeS_2O (Ae = Sr, Ba). Dalton Transactions, 2019, 48, 14662-14668.	1.6	35
3814	Organic Multifunctional Materials: Second Harmonic, Ferroelectric, and Dielectric Properties in <i>N</i> -Benzylideneaniline Analogues. Crystal Growth and Design, 2019, 19, 5934-5944.	1.4	8
3815	Synthesis, growth, structural, optical, thermal, dielectric and laser damage threshold studies of new semi organic NLO crystal: Tetra aqua bis (hydrogen maleato) cobalt II. AIP Conference Proceedings, 2019, , .	0.3	0
3816	Monoclinic gallium selenide: an AgGaS_2 -type structure variant with balanced infrared nonlinear optical performance. Journal of Materials Chemistry C, 2019, 7, 11752-11756.	2.7	30
3817	Experimental and Quantum Chemical Investigation on Piperazinium Hexachloro Stannous Trihydrate Single Crystal for Second Harmonic Generation Applications. Journal of Electronic Materials, 2019, 48, 7686-7695.	1.0	15
3818	Centrosymmetric $\text{K}_2\text{SO}_4 \cdot (\text{SbF}_3)_2$ and noncentrosymmetric $\text{Rb}_2\text{SO}_4 \cdot (\text{SbF}_3)_2$ resulting from cooperative effects of lone pair and cation size. Inorganic Chemistry Frontiers, 2019, 6, 3125-3132.	3.0	48
3819	How To Maximize Birefringence and Nonlinearity of π -Conjugated Cyanurates. Journal of the American Chemical Society, 2019, 141, 16151-16159.	6.6	164

#	ARTICLE	IF	CITATIONS
3820	Rb ₃ SbF ₃ (NO ₃) ₃ : an excellent antimony nitrate nonlinear optical material with a strong second harmonic generation response fabricated by a rational multi-component design. Dalton Transactions, 2019, 48, 15144-15150.	1.6	33
3821	CO(NH ₂) ₂ ·NH ₄ Cl: an ultraviolet birefringent material with conjugated C=O groups. CrystEngComm, 2019, 21, 6072-6079.	1.3	10
3822	Study of the Photoswitching of a Fe(II) Chiral Complex through Linear and Nonlinear Ultrafast Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 5975-5982.	2.1	6
3823	Crystal growth, structure, mechanical, thermal, spectral and optical properties of organometallic of L-proline strontium bromide tetrahydrate single crystal for nonlinear optical applications. Journal of Crystal Growth, 2019, 526, 125234.	0.7	4
3824	Li ₄ HgSn ₂ Se ₇ : The First Second-Order Nonlinear Optical-Active Selenide in the IV ²⁺ VI ⁷⁻ Diamond-like Family. Crystal Growth and Design, 2019, 19, 5494-5497.	1.4	22
3825	Growth, Optical, Thermal, Mechanical, Laser Damage Threshold and Electrical Polarizability of Cadmium Chloride Doped L-Alanine (LACC) Single Crystal for Optoelectronic Applications. Journal of Electronic Materials, 2019, 48, 7915-7922.	1.0	14
3826	Second and third order nonlinear optical, mechanical, surface characteristics of bis(thiourea) manganese chloride (BTMC) grown by slow cooling technique used for frequency conversion applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 17559-17571.	1.1	13
3827	Ionothermal Synthesis of Metal Chalcogenides M ₂ Ag ₃ Sb ₃ S ₇ (M = Rb, Cs) Displaying Nonlinear Optical Activity in the Infrared Region. Inorganic Chemistry, 2019, 58, 12582-12589.	1.9	16
3828	Partial Congener Substitution Induced Centrosymmetric to Noncentrosymmetric Transformation Witnessed by K ₃ Ga ₃ (Ge ₇ M _x)Se ₂₀ (M = Si, Sn) and Their Nonlinear Optical Properties. Inorganic Chemistry, 2019, 58, 13250-13257.	1.9	39
3829	Discussion on growth, emission and piezoelectric properties of zinc guanidinium phosphate single crystal: a potential candidate for transducer and LED applications. Bulletin of Materials Science, 2019, 42, 1.	0.8	0
3830	Structural, Spectroscopic, Optical and Thermal Study of Bisthiourea Doped Disodium Hydrogen Phosphate Single Crystals. Materials Today: Proceedings, 2019, 8, 57-61.	0.9	1
3831	Studies on Growth, Thermal, Vibrational And Optical Characterization of a Novel Nonlinear Organic Single Crystal of L-soleucinium Hydrogen Maleate Hemihydrates (LIM). Materials Today: Proceedings, 2019, 8, 279-283.	0.9	1
3832	Synthesis, Growth and Characterization of Glycine Ammonium Bromide: A potential NLO material. Materials Today: Proceedings, 2019, 8, 332-336.	0.9	8
3833	Synthesis, Crystal Growth Spectral and Optical Studies on Amino Acid Based New Novel NLO Single Crystal: L-soleucinium Phthalate (LIP). Materials Today: Proceedings, 2019, 8, 142-147.	0.9	6
3834	Growth, spectral, thermal, NLO studies and computational studies on novel NLO organic crystals of N-Nitroso-r-2,c-6-bis(4-methoxyphenyl)-t-3-ethyl-piperidin-4-one. Materials Today: Proceedings, 2019, 8, 1-10.	0.9	5
3835	Bi ₂ Te ₂ O ₆ (NO ₃) ₂ (OH) ₂ (H ₂ O): A layered bismuth tellurium nitrate hydroxide with multiple noncentrosymmetric chromophores. Journal of Solid State Chemistry, 2019, 271, 298-302.	1.4	13
3836	Growth and characterization of a novel organic nonlinear optical crystal guanidinium 4-hydroxybenzoate: Potential candidate for opto-electronic applications. Materials Letters, 2019, 241, 152-155.	1.3	10
3837	Ferroelectricity, ionic conductivity and structural paths for large cation migration in Ca _{10.5} Pb _x (VO ₄) ₇ single crystals, $x = 1.9, 3.5, 4.9$. CrystEngComm, 2019, 21, 1309-1319.	1.3	9

#	ARTICLE	IF	CITATIONS
3838	Second harmonic generation in nonlinear optical crystals formed from propellane-type molecules. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1255-1262.	2.7	17
3839	Microscopic origin of pressure-induced phase-transitions in urea: a detailed investigation through first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 884-900.	1.3	16
3840	Experimental characterization and first principles calculations of linear and nonlinear optical properties of two orthophosphates $A_3Al_2(PO_4)_3$ ($A = \text{Tj, ET, Qq}$)	0.0	0
3841	Crystallographic Investigations into the Polar Polymorphism of $BaTeW_2O_9$: Phase Transformation, Controlled Crystallization, and Linear and Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2019, 19, 1767-1777.	1.4	17
3842	$K_6ACaSc_2(B_5O_{10})_3$ ($A = \text{Li, Na}$). <i>Inorganic Chemistry</i> , 2019, 58, 2833-2839.	1.9	21
3843	Expansion of the structural diversity of f-element bearing molybdate iodates: synthesis, structures, and optical properties. <i>Dalton Transactions</i> , 2019, 48, 4823-4829.	1.6	16
3844	Synthesis and Investigation on Structural, Thermal, Mechanical, Linear Optical, and Nonlinear Optical Nature of Potassium Sulphato Oxalate Single Crystals. <i>Crystal Research and Technology</i> , 2019, 54, 1800203.	0.6	0
3845	Versatility of Cyclic Triimidazole to Assemble 1D, 2D, and 3D Cu(I) Halide Coordination Networks. <i>Crystal Growth and Design</i> , 2019, 19, 1567-1575.	1.4	23
3846	$ASbF_3Cl$ ($A = \text{Rb, Cs}$): Structural Evolution from Centrosymmetry to Noncentrosymmetry. <i>Crystal Growth and Design</i> , 2019, 19, 1874-1879.	1.4	8
3847	Fluoroborophosphates: a family of potential deep ultraviolet NLO materials. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 723-730.	3.0	36
3848	Inclusion of an anionic dye in the molecular structure of potassium dihydrogen phosphate crystal for SSDL applications. <i>Indian Journal of Physics</i> , 2019, 93, 991-1000.	0.9	18
3849	Second and third-order NLO response of 2-amino-5-nitropyridinium tetrafluoroborate. <i>Optik</i> , 2019, 182, 755-760.	1.4	12
3850	Single crystal structure and optical properties of nonlinear optical crystal $Rb_{0.94}Ti_{0.94}Ta_{0.06}OPO_4$. <i>CrystEngComm</i> , 2019, 21, 1570-1578.	1.3	13
3851	Zr_4 -Substituted polyoxometalate dimers decorated by d-tartaric acid/glycolic acid: syntheses, structures and optical/electrochemical properties. <i>CrystEngComm</i> , 2019, 21, 876-883.	1.3	15
3852	The first silver bismuth borate, $AgBi_2B_5O_{11}$. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 910-918.	0.2	3
3853	Highly Polarizable Hg^{2+} Induced a Strong Second Harmonic Generation Signal and Large Birefringence in $LiHgPO_4$. <i>Journal of the American Chemical Society</i> , 2019, 141, 10188-10192.	6.6	194
3854	$Cs_2CdV_2O_6Cl_2$ and $Cs_3CdV_4O_{12}Br$: two new non-centrosymmetric oxyhalides containing d^{0} and d^{10} cations and exhibiting second harmonic generation activity. <i>Dalton Transactions</i> , 2019, 48, 10642-10651.	1.6	9
3855	An alkali metal phosphate $RbPbBi_2(PO_4)_3$ with three kinds of disorder: the effect of isolated soft cation units on the crystal structure. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2050-2054.	3.0	3

#	ARTICLE	IF	CITATIONS
3856	An antipsychotic drug: Spectroscopic identification, structural features, DFT computations and molecular docking studies on 4-(methylamino)-3-nitrobenzoic acid. <i>Journal of Molecular Structure</i> , 2019, 1196, 33-41.	1.8	7
3857	Molten Alkali Halide Flux Growth of an Extensive Family of Noncentrosymmetric Rare Earth Sulfides: Structure and Magnetic and Optical (SHG) Properties. <i>Inorganic Chemistry</i> , 2019, 58, 8541-8550.	1.9	25
3858	New Members of SHG Active Dugganite Family, $A_3BC_2O_{14}$ (A = Ba, Pb; B = Te, Sb; C = Al, Ga, Fe, Zn; D) <i>ETC</i> 0018 BT /Over	1.9	10
3859	Preparation, characterization and luminescence-sensing properties of two Zn^{II} MOFs with mixed 5-amino-2,4,6-tribromoisophthalic acid and bipyridyl-type ligands. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 859-871.	0.2	3
3860	Synthesis of a metal coordinated amino acid based nonlinear single crystal, Bis(L-threonine)zinc(II) using the solution growth technique and its physicochemical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 135, 109077.	1.9	10
3861	Mixed-Anion Inorganic Compounds: A Favorable Candidate for Infrared Nonlinear Optical Materials. <i>Crystal Growth and Design</i> , 2019, 19, 4172-4192.	1.4	105
3862	$KBi_3(OH)$ and $NaBi_4$: from the centrosymmetric chain to a noncentrosymmetric double layer. <i>Dalton Transactions</i> , 2019, 48, 10320-10326.	1.6	15
3863	X-ray crystal structure, Hirshfeld surface analysis and DFT study on symmetrical trans-1,2-diformylidimide: An unusual One-pot condensation of formic acid and hydrazine hydrate mediated by metal(II) nitrate hexahydrates. <i>Chemical Data Collections</i> , 2019, 22, 100239.	1.1	4
3864	Synthesis, growth and theoretical investigations of L-methionine L-methioninium perchlorate monohydrate a nonlinear optical crystal. <i>Chemical Data Collections</i> , 2019, 22, 100247.	1.1	5
3865	Second-order nonlinear optical properties of eight-membered centrosymmetric cyclic borasiloxanes. <i>New Journal of Chemistry</i> , 2019, 43, 10948-10958.	1.4	11
3866	Materials synthesis, band gap energy, yield strength and frequency doubling properties of 4-Dimethylaminopyridine lithium chloride: A semiorganic nonlinear optical crystal. <i>Materials Science for Energy Technologies</i> , 2019, 2, 543-550.	1.0	5
3867	Vibrational analysis and physical property studies of 6-Methoxy-2-[(E)-phenyliminomethyl]-phenol in the THz, IR and UV-visible spectral regions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117227.	2.0	1
3868	Self-assembling amyloid-like peptides as exogenous second harmonic probes for bioimaging applications. <i>Journal of Biophotonics</i> , 2019, 12, e201900065.	1.1	18
3869	Studies on a novel organic NLO single crystal: L-asparaginium oxalate. <i>Chinese Journal of Physics</i> , 2019, 60, 612-622.	2.0	28
3870	An energy band engineering design to enlarge the band gap of $KTiOPO_4$ (KTP)-type sulfates via aliovalent substitution. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8131-8138.	2.7	46
3871	Synthesis, Crystallization, Non Linear Optical and Anti-bacterial Activity of L-Alanine Sodium Nitrate Single Crystals. <i>Journal of Physics: Conference Series</i> , 2019, 1172, 012072.	0.3	4
3872	Growth and characterization of L-histidinium fumarate fumaric acid monohydrate single crystal: A promising second and third order nonlinear optical material. <i>Chinese Journal of Physics</i> , 2019, 60, 581-597.	2.0	27
3873	New Lead Orthosilicate $\{Pb_4(\text{O})_2\} [SiO_4]$ with a Framework of Anion-Centered Pb Tetrahedra Related to Sodalite. <i>Crystallography Reports</i> , 2019, 64, 398-402.	0.1	3

#	ARTICLE	IF	CITATIONS
3874	Rational structural design of benzothiazolium-based crystal HDB-T with high nonlinearity and efficient terahertz-wave generation. <i>Chemical Communications</i> , 2019, 55, 7950-7953.	2.2	34
3875	Synthesis and characterization of a metal-organic NLO material: Tetrakis(thiourea)cobalt chloride. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 35-44.	1.9	9
3876	Synthesis, Structure, and Characterization of Two Mixed-Cation Quaternary Chalcogenides K ₂ BaSnQ ₄ (Q = S, Se). <i>Inorganic Chemistry</i> , 2019, 58, 7118-7125.	1.9	14
3877	Comprehensive Model for Randomly Phase-Matched Frequency Conversion in Zinc-Blenide Polycrystals and Experimental Results for $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Zn} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Se} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review Applied</i> , 2019, 11, 041101.	1.5	17
3878	Bent HgI ₂ Molecules in the Melt and Sulfide Glasses: Implications for Nonlinear Optics. <i>Chemistry of Materials</i> , 2019, 31, 4103-4112.	3.2	13
3879	Growth and combined experimental and quantum chemical study of glycyl-L-Valine crystal. <i>Heliyon</i> , 2019, 5, e01574.	1.4	10
3880	LiGaP ₂ O ₇ : A Potential UV Nonlinear-Optical Crystal. <i>Inorganic Chemistry</i> , 2019, 58, 6597-6600.	1.9	10
3881	Unveiling photophysical-chemical properties of ethylenediamine ditartrate dihydrate acentric single crystal: a proficient material for nonlinear optical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11257-11268.	1.1	4
3882	Two alkali calcium borates exhibiting second harmonic generation and deep-UV cutoff edges. <i>New Journal of Chemistry</i> , 2019, 43, 9354-9363.	1.4	2
3883	A new organic nonlinear optical material: L-asparagine cetrimonium bromide single crystal for photonic applications. <i>Chemical Data Collections</i> , 2019, 21, 100232.	1.1	9
3884	Ba ₁₀ In ₆ Zn ₇ S ₁₀ Se ₁₆ and Ba ₁₀ In ₆ Zn ₇ Se ₂₆ : Two new infrared nonlinear optical materials with T ₂ super tetrahedron. <i>Journal of Alloys and Compounds</i> , 2019, 797, 356-362.	2.8	4
3885	Single-Crystal Synthesis and Structures of Rb-Boroleucite Rb(BSi ₂)O ₆ and Boropollucite Cs(BSi ₂)O ₆ at 293 and 120 K. <i>Crystallography Reports</i> , 2019, 64, 57-62.	0.1	0
3886	Syntheses, Structures and Characterizations of Two New Polyborates Containing Heptaborate Sub-clusters. <i>Journal of Cluster Science</i> , 2019, 30, 1139-1144.	1.7	4
3887	Synthesis, growth and physicochemical properties of new organic nonlinear optical crystal l-threoninium tartrate (LTT) for frequency conversion. <i>Materials Science for Energy Technologies</i> , 2019, 2, 565-574.	1.0	23
3888	Structural, optical, mechanical and dielectric property studies of adduct single crystal 2,4,6-trinitrobenzene-1,3-diol-2-methylimidazole: A spectroscopic and theoretical approach. <i>Physica B: Condensed Matter</i> , 2019, 567, 25-36.	1.3	4
3889	Ag ₇ TaSe ₆ : a new noncentrosymmetric selenide with fascinating ϵ in one ϵ -coordination modes and a strong second harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7516-7519.	2.7	10
3890	Crystal structure, spectroscopic, thermal, mechanical, linear optical, second order and third order nonlinear optical properties of semiorganic crystal: l-threoninium phosphate (LTP). <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9003-9014.	1.1	17
3891	Structural studies of 3-[(E)-[(2E)-2-methyl-3-phenylprop-2-en-1-ylidene] amino]-1-phenylthiourea: Combined experimental and computational studies. <i>Journal of Molecular Structure</i> , 2019, 1191, 206-217.	1.8	4

#	ARTICLE	IF	CITATIONS
3892	Synthesis, growth, structural, thermal and optical properties of diguanidinium hydrogen phosphate monohydrate (G2HP) crystal for NLO applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 10109-10116.	1.1	3
3893	Large Second Harmonic Generation (SHG) Effect and High Laser-Induced Damage Threshold (LIDT) Observed Coexisting in Gallium Selenide. Angewandte Chemie, 2019, 131, 8171-8175.	1.6	37
3894	Large Second Harmonic Generation (SHG) Effect and High Laser-Induced Damage Threshold (LIDT) Observed Coexisting in Gallium Selenide. Angewandte Chemie - International Edition, 2019, 58, 8087-8091.	7.2	145
3895	Impressive second harmonic generation response in a novel phase-matchable NLO-active MOF derived from achiral precursors. Journal of Materials Chemistry C, 2019, 7, 6217-6221.	2.7	25
3896	Growth and characterization studies on L-threoninium p-toluenesulfonate monohydrate crystal. Optical and Quantum Electronics, 2019, 51, 1.	1.5	6
3897	Crystal structure and second harmonic generation in Bi ₂ TeO ₅ : An X-N study from synchrotron and neutron diffraction data. Journal of Solid State Chemistry, 2019, 276, 122-127.	1.4	5
3898	Experimental and quantum chemical investigation on imidazolium trifluoroacetate single crystal for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 10224-10232.	1.1	13
3899	Studies on nonlinear optical properties of a mixture of 4-nitroaniline-picric acid (2/1). Materials Research Express, 2019, 6, 075105.	0.8	5
3900	Synthesis, crystal structures and nonlinear optical properties of β -RbCdI ₃ ·H ₂ O and CsCdI ₃ ·H ₂ O. Dalton Transactions, 2019, 48, 6787-6793.	1.6	1
3901	From centrosymmetric to noncentrosymmetric: cation-directed structural evolution in X ₃ ZnB ₅ O ₁₀ (X = Na, K, Rb) and Cs ₁₂ Zn ₄ (B ₅ O ₁₀) ₄ crystals. Inorganic Chemistry Frontiers, 2019, 6, 1461-1467.	3.0	14
3902	Deep-ultraviolet nonlinear optical crystal NaBe ₂ BO ₃ F ₂ —Structure, growth and optical properties. Journal of Crystal Growth, 2019, 518, 45-50.	0.7	17
3903	Synthesis, structural, vibrational, thermal, dielectric and optical properties of third order nonlinear optical single crystal for optical power limiting applications. Journal of Molecular Structure, 2019, 1191, 110-117.	1.8	45
3904	Growth of high-quality organic single crystal of 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) by a novel Rotational Sankaranarayanan-Ramasamy (RSR) method. Journal of Crystal Growth, 2019, 518, 59-72.	0.7	16
3905	Effects of optical and dielectric properties of l-cysteine doped tris thiourea zinc sulphate single crystals. Journal of Materials Science: Materials in Electronics, 2019, 30, 8526-8536.	1.1	7
3906	Y ₈ O(OH) ₁₅ (CO ₃) ₃ Cl: an excellent short-wave UV nonlinear optical material exhibiting an infrequent three-dimensional inorganic cationic framework. Chemical Communications, 2019, 55, 4538-4541.	2.2	43
3907	Growth of NH ₄ H ₂ PO ₄ crystal in urea environment to optimize linear-nonlinear optical traits for photonic device applications. Optik, 2019, 185, 1247-1252.	1.4	17
3908	In depth study on growth aspects and characteristic properties of semiorganic nonlinear optical crystal: 4-Dimethylaminopyridine copper chloride. Materials Science for Energy Technologies, 2019, 2, 226-233.	1.0	12
3909	Organic Crystals for THz Photonics. Applied Sciences (Switzerland), 2019, 9, 882.	1.3	129

#	ARTICLE	IF	CITATIONS
3910	HBa _{2.5} (IO ₃) ₆ (I ₂ O ₅) and HBa(IO ₃)(I ₄ O ₁₁): Explorations of Second-Order Nonlinear Optical Materials in the Alkali-Earth Polyiodate System. <i>Inorganic Chemistry</i> , 2019, 58, 3982-3989.	1.9	39
3911	Selected Organometallic Compounds for Third Order Nonlinear Optical Application. <i>Nanomaterials</i> , 2019, 9, 254.	1.9	34
3912	Structural and spectroscopic investigations of nonlinear optical crystal l-phenylalanine fumaric acid by DFT calculations. <i>Journal of Molecular Structure</i> , 2019, 1186, 91-101.	1.8	3
3913	Growth, Vibrational, Optical, Mechanical and DFT Investigations of an Organic Nonlinear Optical Material " Phenylurea. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1659-1682.	1.4	9
3914	Influence of transition metals distribution on the properties of strontium tartrate trihydrate nonlinear optical single crystals grown in silica gel. <i>Journal of Alloys and Compounds</i> , 2019, 789, 1008-1014.	2.8	4
3915	Synthesis, characterization, and theoretical analysis of three new nonlinear optical materials K7MRE2B15O30 (M= Ca and Ba, RE= La and Bi). <i>Science China Materials</i> , 2019, 62, 1151-1161.	3.5	24
3916	Growth and Characterization of Non-Linear Optical Single Crystal Guanidinium triscadmium Sulphate Octahydrate. <i>Asian Journal of Chemistry</i> , 2019, 31, 661-668.	0.1	1
3917	Heteroanionic Materials by Design: Progress Toward Targeted Properties. <i>Advanced Materials</i> , 2019, 31, e1805295.	11.1	150
3918	Refractive Index Modulates Second-Harmonic Responses in RE ₈ O(CO ₃) ₃ (OH) ₁₅ X (RE = Y, Lu; X = Cl, Br): Rare-Earth Halide Carbonates as Ultraviolet Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2019, 31, 2130-2137.	3.2	28
3919	Rational Design and Synthesis of a Deep-Ultraviolet Nonlinear Optical Fluorinated Orthophosphate: BaZn(PO ₄)F. <i>Inorganic Chemistry</i> , 2019, 58, 4508-4514.	1.9	8
3920	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. <i>Inorganic Chemistry</i> , 2019, 58, 4089-4092.	1.9	20
3921	Structural, spectral, thermal and nonlinear optical analysis of potassium tartrate hemihydrate crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7974-7980.	1.1	1
3922	SrCdSnQ ₄ (Q = S and Se): infrared nonlinear optical chalcogenides with mixed NLO-active and synergetic distorted motifs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4459-4465.	2.7	52
3923	Cs ₃ Na(H ₂ C ₃ N ₃ O ₃) ₄ ·3H ₂ O: A Mixed Alkali-Metal Hydroisocyanurate Nonlinear Optical Material Containing "Conjugated Six-Membered" Ring Units. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2791-2795.	1.0	49
3924	RbSbSO ₄ Cl ₂ : an excellent sulfate nonlinear optical material generated due to the synergistic effect of three asymmetric chromophores. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5748-5754.	2.7	58
3925	The structural and third-order nonlinear optical studies of a novel nitro group-substituted chalcone derivative for nonlinear optical applications. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	22
3926	Isolating the Two Room-Temperature Polymorphs of NaNbO ₃ : Structural Features, Optical Band Gap, and Reactivity. <i>ACS Applied Electronic Materials</i> , 2019, 1, 513-522.	2.0	16
3927	Deep-Ultraviolet Mixed-Alkali-Metal Borates with Induced Enlarged Birefringence Derived from the Structure Rearrangement of the LiB ₃ O ₅ . <i>Inorganic Chemistry</i> , 2019, 58, 5949-5955.	1.9	34

#	ARTICLE	IF	CITATIONS
3928	Sr ₆ Cd ₂ Sb ₆ O ₇ S ₁₀ : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie</i> , 2019, 131, 8162-8165.	1.6	19
3929	Sr ₆ Cd ₂ Sb ₆ O ₇ S ₁₀ : Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8078-8081.	7.2	99
3930	Structure-Property Relationship in an Organic Semiconductor: Insights from Energy Frameworks, Charge Density Analysis, and Diode Devices. <i>Crystal Growth and Design</i> , 2019, 19, 3019-3029.	1.4	6
3931	Two Polar Molybdenum(VI) Iodates(V) with Large Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , 2019, 31, 2992-3000.	3.2	60
3932	Growth, structural and optical studies of a novel nonlinear optical material: p-Toluidinium L-Tartrate. <i>Optik</i> , 2019, 185, 651-656.	1.4	9
3933	BaB ₂ O ₃ F ₂ : A Barium Fluorooxoborate with a Unique [B ₂ O ₃ F] ⁺ Layer and Short Cutoff Edge. <i>Chemistry - A European Journal</i> , 2019, 25, 6693-6697.	1.7	31
3934	Impact of increasing concentration of l-alanine environment on structural, UV-vis, SHG efficiency, luminescence and dielectric traits of zinc thiourea chloride (ZTC) crystal. <i>Optik</i> , 2019, 185, 317-324.	1.4	23
3935	Structural, spectral, optical, thermal and quantum chemical investigations on ethylenediammonium tetrachloro zinc crystal for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2019, 1188, 165-172.	1.8	10
3936	BaHgGeSe ₄ and SrHgGeSe ₄ : Two New Hg-Based Infrared Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2019, 31, 3034-3040.	3.2	104
3937	Synthesis, crystal structure, and magnetic properties of a multicage compound: [(Me) ₂ EtNH][Mn(N ₃) ₃] with a perovskite-related structure. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 335-339.	0.3	3
3938	SnGa ₂ GeSe ₆ , a benign addition to the AM ₃ M ^{IV} Q ₆ family: synthesis, crystal structure and nonlinear optical performance. <i>Dalton Transactions</i> , 2019, 48, 6638-6644.	1.6	15
3939	Two Deep Ultraviolet Hydrated Borate Crystals: Centrosymmetric LiRbB ₅ O ₈ (OH)·H ₂ O and Non-Centrosymmetric K ₂ B ₅ O ₈ (OH)·2H ₂ O. <i>Crystal Growth and Design</i> , 2019, 19, 3052-3059.	1.4	5
3940	Hydrogen-bonded organo-amino phosphonium halides: dielectric, piezoelectric and possible ferroelectric properties. <i>Dalton Transactions</i> , 2019, 48, 7331-7336.	1.6	11
3941	DFT analysis on spectral and NLO properties of (2E)-3-[4-(dimethylamino) phenyl]-1-(naphthalen-2-yl) prop-2-en-1-one; a d-€A chalcone derivative and its docking studies as a potent hepatoprotective agent. <i>Chemical Data Collections</i> , 2019, 20, 100205.	1.1	15
3942	Proton-induced intermolecular charge transfer in Picolinium Tartrate Monohydrate crystal for OLED and nonlinear optical applications: A combined experimental and computational study. <i>Dyes and Pigments</i> , 2019, 165, 239-248.	2.0	11
3943	LiK[B ₅ O ₈ (OH)]·1.5H ₂ O: A novel lithium borate with nonlinear optical property. <i>Inorganic Chemistry Communication</i> , 2019, 102, 262-266.	1.8	7
3944	Structural, spectral and nonlinear optical analysis of aquachloro (l-prolinato) copper(II) crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5074-5080.	1.1	2
3945	Synthesis, growth and characterization of semi-organic nonlinear optical L-threoninium sodium fluoride (LTSF) crystal for photonics application. <i>Chinese Journal of Physics</i> , 2019, 58, 294-302.	2.0	17

#	ARTICLE	IF	CITATIONS
3946	Novel benzofuran based chalcone material for potential nonlinear optical application. <i>Physica B: Condensed Matter</i> , 2019, 560, 191-196.	1.3	7
3947	Unprecedented homochiral 3D lanthanide coordination polymers with triple-stranded helical architecture constructed from a rigid achiral aryldicarboxylate ligand. <i>CrystEngComm</i> , 2019, 21, 1758-1763.	1.3	15
3948	A ₂ SrM ^{IV} S ₄ (A = Li, Na; M ^{IV} = Ge, Sn) concurrently exhibiting wide bandgaps and good nonlinear optical responses as new potential infrared nonlinear optical materials. <i>Chemical Science</i> , 2019, 10, 3963-3968.	3.7	64
3949	Electro-Optic Modulation in Hybrid Metal Halide Perovskites. <i>Advanced Materials</i> , 2019, 31, e1808336.	11.1	42
3950	New cadmium-selenium-oxyhalides: Noncentrosymmetric Cd ₅ (SeO ₃) ₄ Cl ₂ (H ₂ O) and centrosymmetric Cd ₂ (SeO ₃)F ₂ , Cd ₂ (SeO ₃)(OH)Br. <i>Journal of Solid State Chemistry</i> , 2019, 273, 106-111.	1.4	12
3951	Ba ₁₀ In ₆ Zn ₇ S _{26-n} ZnS: An Inorganic Composite System with Interface Phase-Matching Tuned for High-Performance Infrared Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2019, 58, 3990-3999.	1.9	8
3952	Illustrious influence of amino acid L-threonine (LT) on structural and optical insights of Zinc Thiourea Sulphate (ZTS) crystal. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950010.	1.0	12
3953	Centric-to-acentric structure transformation induced by a stereochemically active lone pair: a new insight for design of IR nonlinear optical materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4638-4643.	2.7	67
3954	Two Non- π -Conjugated Deep-UV Nonlinear Optical Sulfates. <i>Journal of the American Chemical Society</i> , 2019, 141, 3833-3837.	6.6	183
3955	LiGeBO ₄ : a nonlinear optical material with a balance between deep-ultraviolet cut-off edge and large SHG response induced by hand-in-hand tetrahedra. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 914-919.	3.0	17
3956	Zeolitic Open-Framework Borates with Noncentrosymmetric Structures and Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2019, 58, 3527-3534.	1.9	20
3957	High temperature molten flux growth, structural and optical characteristics of KTiOPO ₄ :Ho and KTiOPO ₄ :Er single crystals. <i>Journal of Crystal Growth</i> , 2019, 512, 152-158.	0.7	2
3958	Synthesis, structural, photoluminescence, thermal, mechanical, dielectric, nonlinear optical and laser damage threshold studies of 2,3-dimethylquinoxalium-4-chlorobenzenesulphonate. <i>Materials Letters</i> , 2019, 243, 187-190.	1.3	4
3959	MnSiP ₂ : A New Mid-IR Ternary Phosphide with Strong SHG Effect and Ultrabroad Transparency Range. <i>Chemistry of Materials</i> , 2019, 31, 2010-2018.	3.2	47
3960	The crystal structure, linear and nonlinear optical properties of 3-Aminonitrobenzene for photonic application – A combined experimental and theoretical investigation. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2019, 28, 1950028.	1.1	1
3961	Recent advances with electro-optic polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 694, 73-116.	0.4	8
3962	Solid-State Nonlinear Optical Properties of Mononuclear Copper(II) Complexes with Chiral Tridentate and Tetradentate Schiff Base Ligands. <i>Materials</i> , 2019, 12, 3595.	1.3	19
3963	Importance of cesium carbonate additives in the nucleation and growth of $\hat{1}\pm$ - and $\hat{1}^3$ -glycine single crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 689, 48-59.	0.4	0

#	ARTICLE	IF	CITATIONS
3964	Experimental and DFT studies on a new phase matchable NLO material (1E,4E)-1-(4-methoxyphenyl)-5-phenylpenta-1,4-dien-3-one. AIP Conference Proceedings, 2019, , .	0.3	0
3965	Hybridization-activated new deep ultraviolet transparent nonlinear optical material Ba ₁₁ [Al(PO ₄) ₄] ₄ (P ₂ O ₇)(PO ₄) ₃ with balanced overall performance and parsimony-forbidden structure. Journal of Materials Chemistry C, 2019, 7, 15162-15165.	2.7	19
3966	Growth, optical and thermal characterization of Semiorganic crystal: Diglycine Perchlorate for second-order nonlinear optical applications. Journal of Nonlinear Optical Physics and Materials, 2019, 28, 1950023.	1.1	2
3967	Partial substitution induced centrosymmetric to noncentrosymmetric structure transformation and promising second-order nonlinear optical properties of (K _{0.38} Ba _{0.81})Ga ₂ Se ₄ . Chemical Communications, 2019, 55, 13701-13704.	2.2	73
3968	Tb(HSO ₄)(SO ₄) a green emitting hydrogensulfate sulfate with second harmonic generation response. Dalton Transactions, 2019, 48, 16377-16383.	1.6	15
3969	Localized Second Optical Harmonic in Nonlinear Optical Ceramics Excited by a Femtosecond Laser. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 127, 629-633.	0.2	0
3970	BaGe ₂ Pn ₂ (Pn = P, As): Two Congruent-Melting Non-chalcopyrite Pnictides as Mid- and Far-Infrared Nonlinear Optical Materials Exhibiting Large Second Harmonic Generation Effects. Chemistry of Materials, 2019, 31, 10170-10177.	3.2	34
3971	Probe Raman Spectroscopy of Uranyl-Compound Polycrystals. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overloc	0.2	0
3972	Rb ₃ Na(H ₂ C ₃ N ₃ O ₃) ₄ ·3H ₂ O with Large Birefringence. ACS Omega, 2019, 4, 22197-22202.	1.6	18
3973	K ₅ (W ₃ O ₉ F ₄)(IO ₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. Chemistry of Materials, 2019, 31, 10100-10108.	3.2	92
3974	Influence of classical Nâ€“H...O and Câ€“H...O hydrogen bonding interactions on 2-amino-5-methylpyridinium hydrogen succinate crystal: experimental and theoretical perspectives. Materials Research Express, 2019, 6, 125118.	0.8	4
3975	Two rare-earth-based quaternary chalcogenides EuCdGeQ ₄ (Q = S, Se) with strong second-harmonic generation. Dalton Transactions, 2019, 48, 17620-17625.	1.6	38
3976	Two low-dimensional metal halides: ionothermal synthesis, photoluminescence, and nonlinear optical properties. Dalton Transactions, 2019, 48, 17451-17455.	1.6	13
3977	Synthesis, growth and characterization of a new NLO active chalcone derivative - 4-chloro-N-{3-[(2E)-3-(methoxyphenyl)prop-2-Enoyl]phenyl}benzamide monohydrate. Journal of Molecular Structure, 2019, 1176, 838-846.	1.8	14
3978	Synthesis, structure and properties of a multifunctional inorganicâ€“organic hybrid mercury(II) coordination polymer: [Hg ₂ Cl ₂ (mtz) ₂ (H ₂ O)] _n . Journal of the Iranian Chemical Society, 2019, 16, 163-168.	1.2	1
3979	A new NLO Material: L-Asparagine thiocyanate (LATC) for opto-electronic applications. Chinese Journal of Physics, 2019, 57, 136-145.	2.0	4
3980	Studies on optical, electrical, mechanical and theoretical investigation of 4-nitro-benzoic acid (3-ethoxy-2-hydroxy-benzylidene)-hydrazide: A novel Schiff base organic NLO material. Journal of Molecular Structure, 2019, 1181, 348-359.	1.8	15
3981	Ba ₁₀ Zn ₇ M ₆ Q ₂₆ : Two New Mid-infrared Nonlinear Optical Crystals with T2 Supertetrahedron 3D Framework. Crystal Growth and Design, 2019, 19, 1190-1197.	1.4	8

#	ARTICLE	IF	CITATIONS
3982	Synthesis, physicochemical and quantum chemical studies on a new organic NLO crystal: Cinnamoylproline. <i>Journal of Molecular Structure</i> , 2019, 1180, 826-838.	1.8	12
3983	Crystal growth and characterization of Γ^3 -glycine grown from AgSO ₄ for nonlinear optical applications. <i>Journal of Crystal Growth</i> , 2019, 509, 44-49.	0.7	5
3984	Investigations on the quantum chemical studies and physico-chemical properties of an opto-electronic material 1-Allyl-2-Aminopyridine-1-ium bromide. <i>Optics and Laser Technology</i> , 2019, 113, 246-260.	2.2	6
3985	Experimental and theoretical investigations of 4-hydroxy L-proline cadmium chloride nonlinear optical crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 61-70.	2.0	7
3986	Mineral-Inspired Crystal Growth and Physical Properties of Na ₂ Cu(SO ₄) ₂ and Review of Na ₂ M(SO ₄) ₂ (H ₂ O) _x (x = 0-6) Compounds. <i>Crystal Growth and Design</i> , 2019, 19, 1233-1244.	1.4	17
3987	Synthesis, structure elucidation, spectroscopic analysis, thermal and NLO properties of A new piperidine derivative α -(4-Methylphenyl) (4-methylpiperidin-1-yl) methanone. <i>Optics and Laser Technology</i> , 2019, 111, 616-622.	2.2	17
3988	Ce(IO ₃) ₂ F ₂ ·xH ₂ O: The First Rare-Earth Metal Iodate Fluoride with Large Second Harmonic Generation Response. <i>Chemistry - A European Journal</i> , 2019, 25, 1221-1226.	1.7	46
3989	Crystal structure, spectral, thermal, optical, laser damage, NLO study and quantum chemical calculations of a noncentrosymmetric crystal N, N'-diphenylguanidinium p-toluenesulphonate. <i>Journal of Molecular Structure</i> , 2019, 1179, 651-661.	1.8	9
3990	Syntheses and characterization of layered phenyl- and benzylphosphonates of tetravalent vanadium, Ca[(VO)(O ₃ PPh) ₂ ·2H ₂ O], Cd[(VO)(O ₃ PPh) ₂ ·2H ₂ O], Ba[(VO)(O ₃ PCH ₂ Ph) ₂ ·2H ₂ O], Sr[(VO) ₃ (O ₃ PPh) ₄ ·5H ₂ O] and Ba[V ₄ O ₄ (OH) ₂ (O ₃ PPh) ₄ ·5H ₂ O]. <i>Journal of Solid State Chemistry</i> , 2019, 270, 35-44.		0
3991	Growth, structural, optical, thermal, laser damage threshold and theoretical investigations of organic nonlinear optical 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1553-1570.	1.1	14
3992	Crystal Structure, Spectral, Electronic, NLO Studies, and Bioactivity of 3-(1-Benzyl-5-Methyl-1H-1,2,3-Triazole-4-Carbonyl)-4-(4-Bromophenyl)-1-Methyl-2H-Spiro [Acenaphthylene-1,2-Pyrrolidine]-2-One. <i>Brazilian Journal of Physics</i> , 2019, 49, 28-43.	0.7	4
3993	Synthesis, Crystal Growth, and Optical Characterization of a Novel Nonlinear Optical Organic Material: N,N'-Diarylbzamide. <i>Crystal Research and Technology</i> , 2019, 54, 1700146.	0.6	15
3994	Second and third order nonlinear optical studies of a novel thiophene substituted chalcone derivative. <i>Physica B: Condensed Matter</i> , 2019, 555, 125-132.	1.3	39
3995	Dielectric Relaxation and Beyond Limiting Behavior of Alternating Current Conductivity in a Supramolecular Ferroelectric. <i>Chemistry - an Asian Journal</i> , 2019, 14, 582-591.	1.7	3
3996	Supramolecular diversity in solid-state architecture formed between the 1-(diaminomethylene)thiourea and citric acid. <i>Journal of Molecular Structure</i> , 2019, 1182, 9-21.	1.8	9
3997	Layered Bismuth Oxyfluoride Nitrates Revealing Large Second-Harmonic Generation and Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2019, 58, 2183-2190.	1.9	30
3998	Growth and study of nonlinear optical P-dimethyl-aminobenzaldehyde crystal for photonic device application. <i>Physica Scripta</i> , 2019, 94, 025503.	1.2	4
3999	Tuning optical properties of cadmium thiourea acetate nonlinear optical crystal exploiting organic ligand of L-proline. <i>Modern Physics Letters B</i> , 2019, 33, 1850424.	1.0	3

#	ARTICLE	IF	CITATIONS
4000	Crystalline orthorhombic $\text{Ln}[\text{CO}_3][\text{OH}]$ ($\text{Ln}=\text{La, Pr, Nd, Sm, Eu, Gd}$) compounds hydrothermally synthesised with CO_2 from air as carbonate source. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 59-70.	0.3	13
4001	SrCdGeS_4 and SrCdGeSe_4 : Promising Infrared Nonlinear Optical Materials with Congruent-Melting Behavior. <i>Crystal Growth and Design</i> , 2019, 19, 1206-1214.	1.4	54
4002	Construction of a Noncentrosymmetric Luminescent Coordination Polymer from $[\text{BaL}_3]$ Unit (L = Pyridine-2,6-dicarboxylate Acid) and Li(I) Ion. <i>Chinese Journal of Chemistry</i> , 2019, 37, 131-134.	2.6	2
4003	Synthesis, crystal structures, second harmonic generation response and temperature phase transitions of two noncentrosymmetric Cu(II)-hybrid halides compounds: $[(\text{R})\text{-C}_7\text{H}_{16}\text{N}_2][\text{CuX}_4]$ ($\text{X}=\text{Cl}$)	1.4	14
4004	Broadening Frontiers of Infrared Nonlinear Optical Materials with π -Conjugated Trigonal-Planar Groups. <i>Chemistry of Materials</i> , 2019, 31, 1110-1117.	3.2	56
4005	$\text{Pb}_4\text{B}_6\text{O}_{13}$: A Polar Lead Oxyborate with Uncommon B_6O_{12} Layers Exhibiting a Large Second Harmonic Generation Response. <i>Inorganic Chemistry</i> , 2019, 58, 1750-1754.	1.9	14
4006	$\text{BaV}_2\text{O}_6\cdot\text{H}_2\text{O}$: A nonlinear optical crystal with a large bandgap. <i>Optical Materials</i> , 2019, 88, 642-647.	1.7	4
4007	Recent advances and future perspectives on infrared nonlinear optical metal halides. <i>Coordination Chemistry Reviews</i> , 2019, 380, 83-102.	9.5	166
4008	Investigation on the growth, optical, mechanical and dielectric properties of an inorganic potassium pentaborate dihydrate ($\text{KB}_5\text{H}_4\text{O}_{10}\cdot 2\text{H}_2\text{O}$) single crystal. <i>Materials Chemistry and Physics</i> , 2019, 223, 230-240.	2.0	6
4009	Experimental and theoretical insights on the dimeric cation molecule L-alanine L-alaninium chloride for nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2019, 1179, 154-160.	1.8	7
4010	Doping effect of Ni^{2+} on structural, UV-visible, SHG efficiency, dielectric and microhardness traits of KH_2PO_4 (KDP) crystal. <i>Optik</i> , 2019, 178, 752-757.	1.4	29
4011	Two nitrates of dapsone: New candidates for non-linear optical materials. <i>Journal of Molecular Structure</i> , 2019, 1178, 375-383.	1.8	4
4012	Preparation and characterization of single crystals of tetrakis(4-(5,5-dimethyl-2-phenyl-1,3-dioxan-2-yl)phenyl)germane. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 444-448.	2.9	1
4013	Three Cadmium Tartratoborates with Good Second Harmonic Generation (SHG) or Luminescence Performances. <i>Inorganic Chemistry</i> , 2019, 58, 594-602.	1.9	8
4014	Studies on growth and characterization of (E)- N^2 -[4-(dimethylamino)benzylidene]-4-hydroxybenzohydrazide hemihydrate: a nonlinear optical material. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2638-2646.	1.1	4
4015	Electronic, bonding and optical properties of the $\text{LiGaGe}_2\text{X}_6$ ($\text{X}=\text{S, Se, and Te}$) compounds: An ab initio study. <i>Optik</i> , 2019, 180, 782-791.	1.4	2
4016	Structural, optical and piezoelectric investigation on brucinium bromide hydrate non linear optical single crystal for optical parametric oscillators, high-power laser, piezo-sensors and transducers applications. <i>Journal of Molecular Structure</i> , 2019, 1180, 512-522.	1.8	12
4017	Experimental study on nonlinear optical property of $\text{Ag}_4\text{P}_2\text{Se}_6$. <i>Journal of Alloys and Compounds</i> , 2019, 780, 727-733.	2.8	5

#	ARTICLE	IF	CITATIONS
4018	Growth and Characterization of L-Alanine Potassium Nitrate Single Crystals for Nonlinear Optical Applications. <i>Journal of Crystal Growth</i> , 2019, 506, 122-126.	0.7	15
4019	Growth, structural, optical, thermal and dielectric properties of l-glutamic acid hydrochloride crystal for optoelectronic device applications. <i>Journal of Crystal Growth</i> , 2019, 506, 79-82.	0.7	4
4020	Growth and characterization of β -glycine single crystals for photonics and optoelectronic device applications. <i>Journal of Crystal Growth</i> , 2019, 506, 117-121.	0.7	10
4021	Growth and optical studies of tris (thiourea) potassium barium sulphate crystal: a novel semiorganic NLO bimetallic crystal. <i>Materials Research Innovations</i> , 2019, 23, 123-128.	1.0	18
4022	Synthesis, crystal growth, characterization and Hirshfeld surface analysis of 2-aminopyridinium 4-aminobenzoate single crystal for non linear optical applications. <i>Materials Research Innovations</i> , 2019, 23, 113-118.	1.0	10
4023	Synthesis, growth and characterization of nonlinear optical organic crystal: 4-Methoxy Anilinium 5-Sulfo Salicylate. <i>Materials Research Innovations</i> , 2019, 23, 107-112.	1.0	5
4024	Optical, piezoelectric and mechanical properties of xylenol orange doped ADP single crystals for NLO applications. <i>Arabian Journal of Chemistry</i> , 2020, 13, 146-159.	2.3	63
4025	In situ [2 + 3] cycloaddition synthesis, crystal structures, strong SHG responses and fluorescence properties of three novel Zn coordination polymers. <i>Chinese Chemical Letters</i> , 2020, 31, 841-845.	4.8	9
4026	Four Zinc(II) coordination polymers with dicarboxylate and Tri(4-pyridylphenyl)amine ligand: Syntheses, crystal structures and physical properties. <i>Journal of Molecular Structure</i> , 2020, 1199, 127005.	1.8	4
4027	Multiple strong hydrogen bonded supramolecular cocrystals of 18-crown-6 with 5-nitroisophthalic acid: Solvent effect and optical nonlinearities. <i>Journal of Molecular Structure</i> , 2020, 1201, 127158.	1.8	15
4028	$[\text{NH}_4]_{12}[(\text{MoO}_2)_2\text{O}(\text{HPO}_4)_2]_4[\text{PO}_4]\text{Cl}\cdot 0.5\text{H}_2\text{O}$: A mixed phosphomolybdate with nonlinear optical properties. <i>Inorganica Chimica Acta</i> , 2020, 499, 119198.	1.2	2
4029	Second harmonic generation in pyrazoline derivatives of dibenzylideneacetones and chalcone: A combined experimental and theoretical approach. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112147.	2.0	13
4030	$\text{Li}[\text{LiCs}_2\text{Cl}][\text{Ga}_3\text{S}_6]$: A Nanoporous Framework of Ga_4 Tetrahedra with Excellent Nonlinear Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4856-4859.	7.2	117
4031	Experimental and quantum chemical studies on SHG, Z-scan and optical limiting investigation of 2-amino-5-bromopyridinium trifluoroacetate single crystal for optoelectronic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109133.	1.9	30
4032	Effect of o-difluoro and p-methyl substituents on the structure, optical properties and anti-inflammatory activity of phenoxy thiazole acetamide derivatives: Theoretical and experimental studies. <i>Journal of Molecular Structure</i> , 2020, 1199, 127024.	1.8	29
4033	$\text{Li}[\text{LiCs}_2\text{Cl}][\text{Ga}_3\text{S}_6]$: A Nanoporous Framework of Ga_4 Tetrahedra with Excellent Nonlinear Optical Performance. <i>Angewandte Chemie</i> , 2020, 132, 4886-4889.	1.6	35
4034	Structural and optical characterization of novel nitro substituted D- β -A type chalcone single crystal showing second-order and third-order nonlinear optical properties. <i>Physica B: Condensed Matter</i> , 2020, 580, 411830.	1.3	11
4035	Ferrocene conjugated donor-acceptor malononitrile dimer: Synthesis, theoretical calculations, electrochemical, optical and nonlinear optical studies. <i>Journal of Molecular Structure</i> , 2020, 1202, 127302.	1.8	26

#	ARTICLE	IF	CITATIONS
4036	Growth and characterization of Catena-(1/4-dihydrogen oxalate)-bis(1/43-hydrogen) Tj ETQqO O O rgBT /Overlock 10 Tf 50 747 Td (oxal for nonlinear optical applications. Chinese Journal of Physics, 2020, 67, 37-51.	2.0	10
4037	Synthesis, growth and characterization of organic nonlinear optical 3-(4-fluorophenyl)-1-(4-methoxyphenyl) single crystal grown by vertical Bridgman technique. Organic Electronics, 2020, 77, 105516.	1.4	7
4038	Synthesis and physico-chemical characterization of nonlinear optical single crystals of S-carboxymethyl L-cysteine for optoelectronic devices applications. AIP Conference Proceedings, 2020, , .	0.3	1
4039	$A_{x}Ce_{9}(IO_{3})_{36}$ (A = K, La): the effects of a change in the intermediate valence on the second-harmonic generation response. Dalton Transactions, 2020, 49, 3672-3675.	1.6	4
4040	$CsAlB_{3}O_{6}F$: a beryllium-free deep-ultraviolet nonlinear optical material with enhanced thermal stability. Chemical Science, 2020, 11, 694-698.	3.7	108
4041	Structural, vibrational and optical studies on semiorganic crystals of boric acid potassium acetate. Heliyon, 2020, 6, e03133.	1.4	8
4042	Spectral, dielectric, mechanical and optical characteristics of LPDMCl single crystal for nonlinear optical applications. Physica B: Condensed Matter, 2020, 582, 411980.	1.3	8
4043	Organic template-free synthesis of an open framework silicoaluminophosphate (SAPO) with high thermal stability and high ionic conductivity. Inorganic Chemistry Frontiers, 2020, 7, 542-553.	3.0	9
4044	A new family of quaternary thiosilicates $SrA_{2}Si_{4}$ (A = Li, Na, Cu) as promising infrared nonlinear optical crystals. Journal of Materials Chemistry C, 2020, 8, 1762-1767.	2.7	34
4045	Experimental and computational perspectives on linear and non-linear optical parameters of an orthorhombic crystal for optical limiting applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	17
4046	Syntheses, characterization, and theoretical calculation of $Rb_{2}Mg_{3}(P_{2}O_{7})_{2}$ polymorphs with deep-ultraviolet cutoff edges. Science China Materials, 2020, 63, 593-601.	3.5	16
4047	The effect of mixed solvents on solute-solvent interactions and bulk growth of 3,4-diamino benzophene: A novel benzophenone derivative for NLO applications. Optical Materials, 2020, 100, 109603.	1.7	6
4048	$Li_{2}K_{4}TiOGe_{4}O_{12}$: A Stable Mid-Infrared Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 906-912.	3.2	48
4049	Temperature-dependent luminescence and second-harmonic generation of perovskite-type manganese and cadmium dicyanamide frameworks templated by tetrapropylammonium cations. Journal of Alloys and Compounds, 2020, 821, 153464.	2.8	19
4050	Growth, structural, Hirshfeld surface, optical, laser damage threshold, dielectric and chemical etching analysis of 4-dimethylaminopyridinium 4-nitrophenolate 4-nitrophenol (DMAPNP) single crystal. Journal of Materials Science: Materials in Electronics, 2020, 31, 373-386.	1.1	7
4051	Spectroscopic investigation of supramolecular organometallic compound L-threonine cadmium acetate monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117802.	2.0	4
4052	A three-dimensional noncentrosymmetric zinc-4,4'-nitrotribenzoate structure exhibiting second-harmonic generation responses. Inorganic Chemistry Communication, 2020, 111, 107623.	1.8	1
4053	Customizing optical and dielectric traits of ammonium dihydrogen phosphate (ADP) crystal exploiting Zn^{2+} ion for photonic device applications. Chinese Journal of Physics, 2020, 63, 70-77.	2.0	18

#	ARTICLE	IF	CITATIONS
4054	RbNa(HC ₃ N ₃ O ₃) \cdot 2H ₂ O exhibiting a strong second harmonic generation response and large birefringence as a new potential UV nonlinear optical material. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 150-156.	3.0	49
4055	An inorganic-organic hybrid compound with face-sharing bromoplumbate chain: Synthesis, crystal structure, Hirshfeld surface analysis, ferroelectric and dielectric properties. <i>Polyhedron</i> , 2020, 178, 114345.	1.0	5
4056	Designing Sulfide Borate as a Novel Type of Second-Order Nonlinear-Optical Material. <i>Inorganic Chemistry</i> , 2020, 59, 1547-1555.	1.9	57
4057	Ca ₂ B ₅ O ₉ Cl and Sr ₂ B ₅ O ₉ Cl: Nonlinear Optical Crystals with Deep-Ultraviolet Transparency Windows. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4632-4637.	4.0	32
4058	Strong nonlinear optical effect attained by atom-response-theory aided design in the Na ₂ M ^{II} MIV ₂ Q ₆ (M ^{II} = Zn, Cd; M ^{IV} = Ge, Sn; Tj EQ 0 0 0 BT /Overl	1.0	0
4059	Coordination properties of diethylenetriamine in relation to zinc phthalocyanine. <i>Polyhedron</i> , 2020, 178, 114313.	1.0	12
4060	Physico-chemical, structural, optical and NLO studies on pure and La ³⁺ doped L-arginine acetate crystals. <i>Materials Science for Energy Technologies</i> , 2020, 3, 282-288.	1.0	9
4061	(NH ₄) ₂ Bi ₂ (IO ₃) ₂ F ₅ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5268-5272.	7.2	73
4062	(NH ₄) ₂ Bi ₂ (IO ₃) ₂ F ₅ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie</i> , 2020, 132, 5306-5310.	1.6	11
4063	The Abinitproject: Impact, environment and recent developments. <i>Computer Physics Communications</i> , 2020, 248, 107042.	3.0	369
4064	Vibrational spectroscopic investigation and DFT computation of nonlinear optical crystal L-Glutaminium 4-methylbenzenesulfonate. <i>Journal of Molecular Structure</i> , 2020, 1203, 127460.	1.8	2
4065	Growth, structural, spectral, thermal, electrical and optical characterization of a novel optical material: Triethanolamine picrate single crystals for optical applications. <i>Chinese Journal of Physics</i> , 2020, 67, 27-36.	2.0	3
4066	Material synthesis and characterization of NLO-active potassium hydrogen phthalate fumaric acid semiorganic crystal for frequency conversion. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 791-798.	1.1	2
4067	Comparative analysis of pristine and Cd ²⁺ influenced potassium acid phthalate single crystal for photonic device applications. <i>Optik</i> , 2020, 203, 163903.	1.4	4
4068	Investigation on structural, optical, thermal and mechanical properties of 1, 3-dinitrobenzene (1,3-DNB) single crystal. <i>Journal of Molecular Structure</i> , 2020, 1205, 127525.	1.8	6
4069	Growth and characterization of highly efficient organic second-order nonlinear optical crystal: 4-nitrophenyl hydrazone. <i>Materials Today: Proceedings</i> , 2020, 26, 3609-3614.	0.9	0
4070	Silicate-germanates with the doubled mica-like layers [Pb(Si,Ge)O ₄] ₂ in centrosymmetric Rb ₂ Pb ₂ [(Ge _{0.33} Si _{0.67}) ₂ O ₇] and isolated in acentric, optically nonlinear Li ₆ Pb ₂ [(Ge _{0.4} Si _{0.6}) ₂ O ₄] ₂ (OH) ₂ . <i>Solid State Sciences</i> , 2020, 100, 106106.	1.5	1
4071	Li ₂ CdSi ₄ S ₄ , a promising IR NLO material with a balanced E _g and SHG response originating from the effect of Cd with d10 configuration. <i>Dalton Transactions</i> , 2020, 49, 1975-1980.	1.6	25

#	ARTICLE	IF	CITATIONS
4072	Growth of diethyl 3,3-[(2,4-dichlorophenyl) methylidene]bis(1H-indole-2-carboxylate)-(D32DMBC) organic NLO single crystal and its optical, thermal, mechanical, dielectric and computational studies. Journal of Materials Science: Materials in Electronics, 2020, 31, 20816-20823.	1.1	36
4073	Third order nonlinear materials of: L-threonine hydrochloride and zinc chloride doped L-threonine hydrochloride. Materials Today: Proceedings, 2020, 33, 4044-4046.	0.9	0
4074	Synthesis, growth, thermal, and optical studies of an organometallic ATZC single crystal for advanced non-linear optical applications. Materials Today: Proceedings, 2020, 33, 4079-4081.	0.9	1
4075	Synthesis, crystal structure, linear properties and DFT analysis of L-Tartarate hydrogen squarate (LTS): A nonlinear optical single crystal. Materials Today: Proceedings, 2020, , .	0.9	0
4076	Linear and nonlinear optical properties of l-proline potassium bromide. Materials Today: Proceedings, 2020, , .	0.9	0
4077	Structural, optical, mechanical, and electrical measurements on single crystals of L-Alanine sodium sulphate. Materials Today: Proceedings, 2020, , .	0.9	0
4078	Structural, optical, spectroscopic and thermal investigations on novel semi-organic nonlinear optical material - Potassium boro-oxalate single crystal. Chinese Journal of Physics, 2020, 68, 339-347.	2.0	3
4079	Hexagonal tungsten oxides with large bandgaps synthesized by a chemical substitution method. Inorganic Chemistry Frontiers, 2020, 7, 4469-4476.	3.0	18
4080	A ₃ BBi(P ₂ O ₇) ₂ (A = Rb, Cs; B = Pb, Ba): Isovalent Cation Substitution to Sustain Large Second-Harmonic Generation Responses. Chemistry of Materials, 2020, 32, 8713-8723.	3.2	73
4081	Effect of Pb Substitution in Sr _{2-x} Pb _x GeSe ₄ on Crystal Structures and Nonlinear Optical Properties Predicted by DFT Calculations. Inorganic Chemistry, 2020, 59, 15028-15035.	1.9	10
4082	The significant role of molecular dipole arrangements on the second and third-order nonlinear optical properties of a furan based chalcone. Physica B: Condensed Matter, 2020, 599, 412501.	1.3	3
4083	Crystal engineering and physicochemical properties of l-threoninium succinate (LTS) single crystal for frequency conversion applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 21097-21107.	1.1	10
4084	Growth and Characterization of Single Crystals of l-Histidine Hydrochloride Monohydrate for Nonlinear Optical Applications. Journal of Electronic Materials, 2020, 49, 7502-7508.	1.0	3
4085	Investigations on growth and characterization of glycine potassium iodide for non liner optical applications. Materials Today: Proceedings, 2020, 33, 4136-4138.	0.9	0
4086	Third Order Non Linear Material of L-Threonine Dihydrogen Phosphate Crystals. Materials Today: Proceedings, 2020, 33, 4189-4191.	0.9	0
4087	Ba(MoO ₂ F) ₂ (XO ₃) ₂ (X = Se and Te): First Cases of Noncentrosymmetric Fluorinated Molybdenum Oxide Selenite/Tellurite Through Unary Substitution for Enlarging Band Gaps and Second Harmonic Generation. ACS Applied Materials & Interfaces, 2020, 12, 49812-49821.	4.0	25
4088	Investigation on structural, optical and thermal properties of L-asparagine monohydrate potassium iodide (LAMPI) NLO crystals. Materials Today: Proceedings, 2022, 50, 2650-2654.	0.9	1
4089	Optical, spectral and NLO properties of L-Leucine potassium chloride crystals. Materials Today: Proceedings, 2020, 50, 2687-2687.	0.9	1

#	ARTICLE	IF	CITATIONS
4090	Synthesis, Structure, and Characterization of $\text{BaTi}(\text{IO})_3 \cdot 6\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2020, 59, 15430-15437.	1.9	11
4091	Crystal growth, structural, optical and piezoelectric investigations on novel B4AAT (bis-4-acetylanilinium tartrate): A phase matchable second and third-order NLO single crystal for optoelectronic and nonlinear optical device applications. <i>Optical Materials</i> , 2020, 108, 110042.	1.7	15
4092	Explorations of Second-Order Nonlinear Optical Materials in the Alkaline Earth Barbiturate System: Noncentrosymmetric $\text{Ca}(\text{H}_3\text{C}_4\text{N}_2\text{O}_3)_2 \cdot \text{H}_2\text{O}$ and Centrosymmetric $\text{Sr}(\text{H}_5\text{C}_8\text{N}_4\text{O}_5)_2 \cdot 4\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2020, 59, 15962-15968.	1.9	11
4093	Crystal structure, linear and nonlinear optical properties of three thiophenyl chalcone derivatives: A combined experimental and computational study. <i>Optical Materials</i> , 2020, 110, 110462.	1.7	17
4094	L-Ornithine Monohydrochloride Doped Zinc Tris-Thiourea Sulphate Single Crystals for NLO Applications. <i>Silicon</i> , 2020, , 1.	1.8	4
4095	Studies on structural, optical, homo-lumo and mechanical properties of piperazinium p-hydroxybenzoate monohydrate single crystal for nonlinear optical applications. <i>Chemical Physics Letters</i> , 2020, 758, 137934.	1.2	15
4096	Structural, linear optical, second and third-order nonlinear optical properties of two halogenated chalcone derivatives containing thiophene moiety. <i>Chemical Physics Letters</i> , 2020, 761, 138051.	1.2	9
4097	Second-order nonlinear optical-active selenide borate $\text{Zn}_8\text{Se}_2(\text{BO}_2)_{12}$: Experimental and theoretical analysis. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121572.	1.4	5
4098	Quantum chemical studies of molecular structure, vibrational spectra and nonlinear optical properties of p-iodoaniline and p-bromoaniline. <i>Journal of Molecular Structure</i> , 2020, 1222, 128939.	1.8	10
4099	Polarization-resolved second harmonic generation from LiNbO_3 powders. <i>Optical Materials</i> , 2020, 107, 110169.	1.7	10
4100	$(\text{NH}_4)_3[\text{B}(\text{OH})_3]_2(\text{COOH})_3$: a graphite-like UV nonlinear optical material with a large birefringence via structural optimization. <i>Chemical Communications</i> , 2020, 56, 9982-9985.	2.2	16
4101	Influence of most reactive inorganic cation in the optical and biological activities of L-Lysine monohydrochloride crystal. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2961-2967.	1.8	12
4102	Investigations on key aspects of solution growth L-Alanine strontium chloride trihydrate single crystal for non-linear optical and photonic applications. <i>Solid State Communications</i> , 2020, 319, 114010.	0.9	8
4103	$\text{La}_2\text{Sr}_{10}\text{O}_{19}$: A Promising Ultraviolet Nonlinear Optical Crystal with an Enhanced Nonlinear Optical Effect and Shortened Cutoff Edge. <i>Crystal Growth and Design</i> , 2020, 20, 5626-5632.	1.4	6
4104	Tetraphenylethene-Based Luminescent Metal-Organic Framework for Effective Differentiation of <i>cis/trans</i> Isomers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35266-35272.	4.0	3
4105	Two-dimensional metal dicyanamide frameworks of $\text{BeTriMe}[\text{M}(\text{dca})_3(\text{H}_2\text{O})]$ ($\text{BeTriMe} = \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50}$) magnetic orders and nonlinear optical threshold temperature sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11735-11747.	2.7	14
4106	$\text{CsZn}_2\text{BO}_3\text{X}_2$ ($\text{X} = \text{F}, \text{Cl}$, and FCl): A Series of Beryllium-Free Deep-Ultraviolet Nonlinear Optical Crystals with Excellent Properties. <i>Angewandte Chemie</i> , 2020, 132, 19168-19172.	1.6	28
4107	$\text{CsZn}_2\text{BO}_3\text{X}_2$ ($\text{X} = \text{F}, \text{Cl}$), Tj ETQq1 1 0.784314 rgBT Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19006-19010.	7.2	91

#	ARTICLE	IF	CITATIONS
4108	Molecular structure, linear optical, second and third-order nonlinear optical properties of two non-centrosymmetric thiophene- α -chalcone derivatives. <i>Journal of Molecular Structure</i> , 2020, 1222, 128901.	1.8	24
4109	Second harmonic generation responses of KH_2PO_4 : importance of K and breaking down of Kleinman symmetry. <i>RSC Advances</i> , 2020, 10, 26479-26485.	1.7	14
4110	Evaluation of nonlinear optical properties of quaternary chalcogenide halides $\text{Ba}_4\text{Si}_3\text{Se}_9\text{Br}_2$ and $\text{Ba}_4\text{Ge}_3\text{Se}_9\text{Br}_2$. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156398.	2.8	11
4111	Linear and nonlinear optical investigation of l-arginium adipate single crystal for photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14545-14552.	1.1	3
4112	Enhancing the SHG effect of zinc chloride-doped DAST single crystals: new potential materials for nonlinear optical device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12943-12954.	1.1	24
4113	Synthesis, optical and mechanical characterization of Bis L-Valine selenate NLO single crystal. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
4114	Anti diabetic (AD), stiffness and hardness studies of 2-[4-(Trifluoromethyl) phenyl]-1H-benzimidazole crystals - (TFMPHB) macro and nano crystal. <i>Materials Today: Proceedings</i> , 2020, 33, 4233-4236.	0.9	35
4115	Phase Matching, Strong Frequency Doubling, and Outstanding Laser-Induced Damage Threshold in the Biaxial, Quaternary Diamond-like Semiconductor $\text{Li}_4\text{CdSn}_2\text{S}_7$. <i>Chemistry of Materials</i> , 2020, 32, 10045-10054.	3.2	51
4116	$\hat{\Gamma}_2$ -CdP ₂ : Large SHG Effect Originating from the Synergism of Parallel π [P α] Polyanion Chains and Distorted CdP ₄ Tetrahedra. <i>Chemistry of Materials</i> , 2020, 32, 10246-10253.	3.2	7
4117	$\text{NaZnCO}_3(\text{OH})$: A High-Performance Carbonate Ultraviolet Nonlinear Optical Crystal Derived from $\text{KBe}_2\text{BO}_3\text{F}_2$. <i>Journal of the American Chemical Society</i> , 2020, 142, 20542-20546.	6.6	96
4118	Tuning the Langasite, $\text{La}_3\text{SbZn}_3\text{Si}_2\text{O}_{14}$, towards white light emission: synthesis, structure, SHG and photoluminescence studies. <i>Dalton Transactions</i> , 2020, 49, 17649-17657.	1.6	7
4119	EuHgGeSe_4 and EuHgSnS_4 : Two Quaternary Eu-Based Infrared Nonlinear Optical Materials with Strong Second-Harmonic-Generation Responses. <i>Inorganic Chemistry</i> , 2020, 59, 18452-18460.	1.9	26
4120	Synthesis of (2E)-3-(4-bromophenyl)-1-(3, 4-dichlorophenyl) prop-2-en-1-one and characterization. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
4121	Unusual Anisotropic Thermal Expansions with Reversible Axial Switching and Record-Wide Thermal Hysteresis in Single-Component Purely Organic Molecular Crystals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27413-27421.	1.5	6
4122	AMnAs_3S_6 (A = Cs, Rb): Phase-Matchable Infrared Nonlinear Optical Functional Motif $[\text{As}_3\text{S}_6]^{3-}$ Obtained via Surfactant- α Thermal Method. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53950-53956.	4.0	25
4123	Crystal growth, structural, nonlinear optical and theoretical investigations of Benzilic acid crystals. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050187.	1.0	5
4124	$\text{BaGa}_2\text{GeS}_6$ and $\text{BaGa}_2\text{GeSe}_6$ crystals for nonlinear optical frequency conversion. <i>Quantum Electronics</i> , 2020, 50, 782-787.	0.3	4
4125	Investigation on single crystal by tartaric acid-barium chloride: growth and characterization of novel NLO materials. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	22

#	ARTICLE	IF	CITATIONS
4126	Cyclophosphate MBi(P ₄ O ₁₂) (M = Cs, Rb): Structure Change Giving Rise to Property Enhancement. <i>Crystal Growth and Design</i> , 2020, 20, 6205-6210.	1.4	9
4127	Ba ₂ [MoO ₃ (OH)(IO ₃) ₂]IO ₃ : A Promising SHG Material Featuring a β -Shaped Functional Motif Achieved by Universal Mono-Site Substitution. <i>Chemistry of Materials</i> , 2020, 32, 6780-6787.	3.2	38
4128	Three non-centrosymmetric bismuth phosphates, Li ₂ ABi(PO ₄) ₂ (A = Tj, ET, Q, O, O, rg, BT, /Overlock). <i>Frontiers</i> , 2020, 7, 3364-3370.	3.0	17
4129	Data on Z-scan studies and antimicrobial activity of 2-aminopyridine sodium nitrate (2APSN) crystal for higher order optical and pharmaceutical applications. <i>Chemical Data Collections</i> , 2020, 29, 100492.	1.1	0
4130	Third order non linear material of zinc sulphate doped L-Threonine dihydrogen phosphate single crystal. <i>Materials Today: Proceedings</i> , 2020, 33, 4177-4179.	0.9	0
4131	Revisiting a Perovskite-like Copper-Formate Framework NH ₄ [Cu(HCOO) ₃]: Order-Disorder Transition Influenced by Jahn-Teller Distortion and above Room-Temperature Switching of the Nonlinear Optical Response between Two SHG-Active States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18714-18723.	1.5	17
4132	Investigation of the optical, photoluminescence, and dielectric properties of P-Toluidinium picrate single crystals. <i>Chinese Journal of Physics</i> , 2020, 67, 283-292.	2.0	19
4133	Growth and characterization of a cyclohexanone based chalcone crystal 2(E)-(4-N,N-dimethylaminobenzylidene)-5-methylcyclohexanone for nonlinear optical applications. <i>Optical Materials</i> , 2020, 107, 110035.	1.7	13
4134	Fluorescence, filter, theoretical confinement studies of 2-[4-(Trifluoromethyl)Phenyl]-1H-Benzimidazole crystals - (TFMPHB) macro and nano crystals. <i>Materials Today: Proceedings</i> , 2020, 33, 4289-4292.	0.9	2
4135	Salt-Inclusion Chalcogenide [Ba ₄ Cl ₂][ZnGa ₄ S ₁₀]: Rational Design of an IR Nonlinear Optical Material with Superior Comprehensive Performance Derived from AgGaS ₂ . <i>Chemistry of Materials</i> , 2020, 32, 8012-8019.	3.2	83
4136	Advances and Property Investigations of an Organic-Inorganic Ferroelectric: (diisopropylammonium) ₂ [CdBr ₄]. <i>Inorganic Chemistry</i> , 2020, 59, 11986-11994.	1.9	23
4137	Selective Formation and SHG Intensity of Noncentrosymmetric and Centrosymmetric 1,1,2,2-Tetramethyl-1-(4-(N,N-dimethylamino)phenyl)-2-(2-cyanophenyl)disilane Crystals under External Stimuli. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17450-17458.	1.5	13
4138	Growth, optical, thermal, mechanical, dielectric, electrical and nonlinear optical properties of pure and sodium thiosulphate doped potassium hydrogen phthalate crystal. <i>Chemical Data Collections</i> , 2020, 30, 100572.	1.1	3
4139	Effect of Erioglaucine dye dopant on the structural, optical, mechanical, electrical and nonlinear properties of ammonium dihydrogen phosphate single crystal. <i>Optical Materials</i> , 2020, 110, 110528.	1.7	8
4140	Two Mixed-Anion Units of [GeOSe ₃] and [GeO ₃ S] Originating from Partial Isovalent Anion Substitution and Inducing Moderate Second Harmonic Generation Response and Large Birefringence. <i>Inorganic Chemistry</i> , 2020, 59, 16716-16724.	1.9	39
4141	Chalcophosphates: A Treasure House of Infrared Nonlinear Optical Materials. <i>Crystal Growth and Design</i> , 2020, 20, 7550-7564.	1.4	53
4142	Crystal growth, structural, optical, thermal, and mechanical properties of new bis(2-amino-6-methyl) Tj, ET, Q, O, O, rg, BT, /Overlock. <i>Chinese Journal of Physics</i> , 2020, 68, 436-460.	2.0	9
4143	2(C ₃ H ₇ N ₆) ⁺ ·2Cl ⁻ ·H ₂ O: an ultraviolet nonlinear optical crystal with large birefringence and strong second-harmonic generation. <i>Chemical Communications</i> , 2020, 56, 14657-14660.	2.2	41

#	ARTICLE	IF	CITATIONS
4144	Lithium Niobate Single Crystals and Powders Reviewedâ€”Part I. Crystals, 2020, 10, 973.	1.0	26
4145	Synthesis, growth, optical and third-order nonlinear optical properties of glycine sodium nitrate single crystal for photonic device applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 17320-17331.	1.1	6
4146	$\text{Li}_2\text{ZnGeS}_4$: A Wide-Bandgap Diamond-like Semiconductor with Excellent Balance between Laser-Induced Damage Threshold and Second Harmonic Generation Response. Chemistry of Materials, 2020, 32, 8947-8955.	3.2	112
4147	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamond-like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. Angewandte Chemie - International Edition, 2020, 59, 23549-23553.	7.2	45
4148	Different mechanism of response of asymmetric lone pair electrons around ns ² cations to birefringence and second harmonic generation. Journal of Applied Physics, 2020, 128, 113104.	1.1	2
4149	Organic Broadband THz Generators Optimized for Efficient Near-Infrared Optical Pumping. Advanced Science, 2020, 7, 2001738.	5.6	17
4150	Dielectric, fluorescence, filter, nano tribological and photoconductivity studies of 4-(4-chlorophenyl)-7,7-dimethyl-7,8-dihydro-4H-1-benzopyran-2,5(3H,6H)-dione (CPDMDHHPHHD) macro and nano-crystals. Journal of Materials Science: Materials in Electronics, 2020, 31, 16907-16917.	1.1	22
4151	$\text{Zn}_3\text{B}_7\text{O}_{13}\text{Cl}$: A New Deep-Ultraviolet Transparency Nonlinear Optical Crystal with Boracite Structure. ACS Applied Materials & Interfaces, 2020, 12, 42942-42948.	4.0	14
4152	$\text{Pb}_{18}\text{O}_8\text{Cl}_{15}\text{I}_5$: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. Angewandte Chemie - International Edition, 2020, 59, 20323-20327.	7.2	110
4153	Selenite bromide nonlinear optical materials $\text{Pb}_2\text{GaF}_2(\text{SeO}_3)_2\text{Br}$ and $\text{Pb}_2\text{NbO}_2(\text{SeO}_3)_2\text{Br}$: synthesis and characterization. Dalton Transactions, 2020, 49, 14046-14051.	1.6	12
4154	Optoelectronic and non-linear optical properties of Lu-doped $\text{AgGaGe}_3\text{Se}_8$ crystallites. Optical and Quantum Electronics, 2020, 52, 1.	1.5	1
4155	$\text{Pb}_{18}\text{O}_8\text{Cl}_{15}\text{I}_5$: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. Angewandte Chemie, 2020, 132, 20503-20507.	1.6	26
4156	Finding Optimal Mid-Infrared Nonlinear Optical Materials in Germanates by First-Principles High-Throughput Screening and Experimental Verification. ACS Applied Materials & Interfaces, 2020, 12, 45023-45035.	4.0	46
4157	Layered and Cubic Semiconductors $\langle i \rangle \text{Ga} \langle i \rangle \text{M} \langle i \rangle \hat{\epsilon}^2 \langle i \rangle \text{Q} \langle i \rangle \langle \text{sub} \rangle 4 \langle \text{sub} \rangle \langle i \rangle \langle \text{sup} \rangle + \langle \text{sup} \rangle = \text{Tj ETQq1 1 0.784314 r} \rangle$ High Third-Harmonic Generation. Journal of the American Chemical Society, 2020, 142, 17730-17742.	6.6	21
4158	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamond-like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. Angewandte Chemie, 2020, 132, 23755-23759.	1.6	15
4159	$\text{A}_2\text{Bi}_2(\text{SeO}_3)_3\text{F}_2$ (A = K and Rb): Excellent Mid-Infrared Nonlinear Optical Materials with Both Strong SHG Responses and Large Band Gaps. Chemistry of Materials, 2020, 32, 7958-7964.	3.2	42
4160	Effects of Grain Morphology on Nonlinear Conversion Efficiency of Random Quasi-Phase Matching in Polycrystalline Materials. IEEE Photonics Journal, 2020, 12, 1-10.	1.0	4
4161	A new acentric borate of $\text{Ba}_2[\text{B}_5\text{O}_8(\text{OH})]_2[\text{B}(\text{OH})_3]\hat{\text{A}}\text{H}_2\text{O}$: Synthesis, structure and nonlinear optical property. Inorganic Chemistry Communication, 2020, 121, 108220.	1.8	2

#	ARTICLE	IF	CITATIONS
4162	Growth, fluorescence and theoretical studies of B2CPCD crystals – Comparative analysis in macro and nano scaled crystals. <i>Materials Today: Proceedings</i> , 2020, 33, 4368-4371.	0.9	22
4163	Growth and characterizations of nonlinear optical material:sodium magnesium tetrachloride (SMGTC) single crystal. <i>Materials Today: Proceedings</i> , 2020, , .	0.9	0
4164	Synthesis, growth, structure analysis and performance characterization of DOST crystal: a nonlinear functional material with a wide range of applications. <i>CrystEngComm</i> , 2020, 22, 8362-8373.	1.3	16
4165	Growth, optical, thermal, mechanical and dielectric properties of 2,5-dimethylanilinium nitrate single crystal. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
4166	Cyano-bridged perovskite [(CH ₃) ₃ NOH] ₂ [KM(CN) ₆], [M: Fe(iii), and Co(iii)] for high-temperature multi-axial ferroelectric applications with enhanced thermal and nonlinear optical performance. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17491-17501.	2.7	26
4167	Growth of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (4AP4N) single crystal and its structural, optical, electrical and laser damage threshold characterization. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
4168	Fabrication of type-I and type-II SHG elements using organic 2-aminopyridinium 4-nitrophenolate 4-nitrophenol (2AP4N) single crystals grown by point seed rotation and novel RSR technique. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
4169	PbSrSiO ₄ : a new ultraviolet nonlinear optical material with a strong second harmonic generation response and moderate birefringence. <i>Chemical Communications</i> , 2020, 56, 7104-7107.	2.2	28
4170	Synthesis and Characterization of New Lithium and Boron Based Metal Organic Frameworks with NLO Properties for Application in Neutron Capture Therapy. <i>Processes</i> , 2020, 8, 558.	1.3	4
4171	Investigation on structural, elemental, thermal, mechanical, linear, and nonlinear optical nature of potassium pentaborate tetrahydrate inorganic single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	2
4172	BiGa(SeO ₃) ₃ : A Phase Matchable SHG Material Achieved by Cation Substitution. <i>Inorganic Chemistry</i> , 2020, 59, 7852-7859.	1.9	11
4173	Growth, structural, optical and thermal studies of semi-organic nonlinear optical potassium hydrogen oxalate single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	8
4174	Hydrogen-Bond-Assisted Reinforcement of Interlayer Connections in Zn ₂ BO ₃ X ₂ O (X = Cl, Br): Two UV Nonlinear Optical Crystals with KBBF-Type Structure. <i>Inorganic Chemistry</i> , 2020, 59, 7789-7794.	1.9	6
4175	Optical and SHG Measurements of Aminoacids doped ADP NLO crystals. <i>MRS Advances</i> , 2020, 5, 1955-1963.	0.5	3
4176	Growth and characterization study of pure and C ₄ H ₆ O ₅ /C ₂ H ₂ O ₄ /Li ₂ SO ₄ doped L-Lysine single crystal for NLO applications. <i>Materials Today: Proceedings</i> , 2020, 30, 69-77.	0.9	0
4177	Resource-efficient Low-temperature Synthesis of Microcrystalline Pb ₂ B ₅ O ₉ X (X = Cl, Br) for Surfaces Studies by Optical Second Harmonic Generation. <i>Small</i> , 2020, 16, 2000857.	5.2	9
4178	Crystal chemistry, second-order nonlinear optical, and magnetic properties of Eu ₈ Sn ₄ Se ₂₀ . <i>Journal of Solid State Chemistry</i> , 2020, 288, 121432.	1.4	8
4179	Structural, optical, laser damage, NLO and theoretical analysis of l-histidine l-aspartate monohydrate crystals. <i>Physica B: Condensed Matter</i> , 2020, 592, 412245.	1.3	16

#	ARTICLE	IF	CITATIONS
4180	Growth, experimental and theoretical investigations on 4-hydroxy-3-methoxybenzaldehyde 5-chloro-2-hydroxybenzoic acid: A new high second order nonlinear optical material. <i>Journal of Molecular Structure</i> , 2020, 1217, 128406.	1.8	10
4181	phenyl]-1-(4methylphenyl)penta-2,4-dien-1-one crystal for second and third order nonlinear applications. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	3
4182	[ABa ₂ Cl][Ga ₄ S ₈] (A = Rb, Cs): Wide-Spectrum Nonlinear Optical Materials Obtained by Polycation-Substitution-Induced Nonlinear Optical (NLO)-Functional Motif Ordering. <i>Journal of the American Chemical Society</i> , 2020, 142, 10641-10645.	6.6	180
4183	A-Site and B-Site Cation Ordering Induces Polar and Multiferroic Behavior in the Perovskite NaLnNiWO ₆ (Ln = Y, Dy, Ho, and Yb). <i>Chemistry of Materials</i> , 2020, 32, 5641-5649.	3.2	30
4184	Synergistic Influence of d ⁰ (Nb ⁵⁺) and d ¹⁰ (Cd ²⁺) Cations in Stabilizing Noncentrosymmetric Dionâ€“Jacobson Layered Perovskites, Aâ€²Cd ₂ Nb ₃ O ₁₀ (Aâ€² = Rb, Cs). <i>Inorganic Chemistry</i> , 2020, 59, 8044-8053.	1.9	5
4185	Abnormal bandgap enlargement resulted in a promising mid-infrared nonlinear optical material Rb ₂ CdBr ₃ with an ultrahigh laser damage threshold. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9005-9011.	2.7	5
4186	A new non-centrosymmetric Gd-based borate crystal Rb ₇ SrGd ₂ (B ₅ O ₁₀) ₃ : growth, structure, and nonlinear optical and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 9355-9361.	1.6	12
4187	Large nonlinear optical effect in tungsten bronze structures <i>via</i> Li/Na cross-substitutions. <i>Chemical Communications</i> , 2020, 56, 8384-8387.	2.2	3
4188	Experimental and calculated second harmonic generation of a guanidinium salt in the solid state. <i>Solid State Communications</i> , 2020, 314-315, 113853.	0.9	0
4189	Second-Harmonic Generation and Photoluminescence Properties of Sn(II)- and Bi(III)-Based Lone Pair Cationâ€“Pyridine Dicarboxylate Coordination Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 11554-11561.	1.9	12
4190	Effect of xylene orange on the crystalline perfection, optical, piezoelectric and NLO behavior of unidirectionally grown imidazolium L-Tartrate single crystal. <i>Chinese Journal of Physics</i> , 2020, 67, 135-146.	2.0	7
4191	Giant sensitivity of an optical nanothermometer based on parametric and non-parametric emissions from Tm ³⁺ doped NaNbO ₃ nanocrystals. <i>Journal of Luminescence</i> , 2020, 226, 117475.	1.5	12
4192	AGa ₃ F ₆ (SeO ₃) ₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , 2020, 32, 6906-6915.	3.2	46
4193	Helix-constructed polar rare-earth iodate fluoride as a laser nonlinear optical multifunctional material. <i>Chemical Science</i> , 2020, 11, 7396-7400.	3.7	18
4194	Investigation of third-order nonlinear optical semi organic potassium bromide malate single crystals for optoelectronic applications. <i>Materials Today: Proceedings</i> , 2020, 30, 115-122.	0.9	3
4195	Partial Isovalent Anion Substitution to Access Remarkable Second-Harmonic Generation Response: A Generic and Effective Strategy for Design of Infrared Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2020, 32, 5890-5896.	3.2	84
4196	Structural diversity of hydrogen-bonded complexes comprising phenol-based and pyridine-based components: NLO properties and crystallographic and spectroscopic studies. <i>CrystEngComm</i> , 2020, 22, 4552-4565.	1.3	5
4197	Molecule-based nonlinear optical switch with highly tunable on-off temperature using a dual solid solution approach. <i>Nature Communications</i> , 2020, 11, 2752.	5.8	57

#	ARTICLE	IF	CITATIONS
4198	Experimental analysis of pure and L-tyrosine influenced bis-thiourea zinc acetate (BTZA) crystal for NLO device applications. <i>Optik</i> , 2020, 220, 165100.	1.4	6
4199	Harmonic generation at the nanoscale. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	65
4200	Two Pyrophosphates with Large Birefringences and Second-Order Harmonic Responses as Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17648-17656.	7.2	92
4201	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites $\text{NaR}_2\text{Mn}_2\text{Ti}_4\text{O}_{12}$ with R = Sm, Eu, Gd, Dy, Ho, Y. <i>Inorganic Chemistry</i> , 2020, 59, 9065-9076.	1.9	10
4202	Growth and investigation of novel nonlinear optical single crystal of urea potassium dichromate by solution growth technique for photonic application. <i>Journal of Optics (India)</i> , 2020, 49, 181-186.	0.8	36
4203	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. <i>Chemistry of Materials</i> , 2020, 32, 3043-3053.	3.2	40
4204	Incorporating rare-earth cations with moderate electropositivity into iodates for the optimized second-order nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2736-2746.	3.0	12
4205	Mixed-metal thiophosphate CuCd_3PS_6 : an infrared nonlinear optical material activated by its three-in-one tetrahedra-stacking architecture. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5020-5024.	2.7	24
4206	Designing Silicates as Deep-UV Nonlinear Optical (NLO) Materials using Edge-Sharing Tetrahedra. <i>Angewandte Chemie</i> , 2020, 132, 9007-9011.	1.6	35
4207	Designing Silicates as Deep-UV Nonlinear Optical (NLO) Materials using Edge-Sharing Tetrahedra. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8922-8926.	7.2	104
4208	$\text{Rb}_{21.89}\text{W}_{32.66}\text{O}_{108}$: An Excellent Mid- and Far-IR Nonlinear-Optical Material with a Wide Band Gap. <i>Inorganic Chemistry</i> , 2020, 59, 4601-4607.	1.9	4
4209	Synthesis and Characterization of Two New Second Harmonic Generation Active Iodates: $\text{K}_3\text{Sc}(\text{IO}_3)_6$ and $\text{KSc}(\text{IO}_3)_3\text{Cl}$. <i>ACS Omega</i> , 2020, 5, 5235-5240.	1.6	6
4210	$\text{Cd}_4\text{Si}_6\text{Q}_6$ (Q = S, Se): Ternary Infrared Nonlinear Optical Materials with Mixed Functional Building Motifs. <i>Crystal Growth and Design</i> , 2020, 20, 2489-2496.	1.4	15
4211	Stray light autocorrelation for the measurement of ultrashort laser pulses. <i>TM Technisches Messen</i> , 2020, 87, 312-322.	0.3	0
4212	X-Shaped Alignment of Chromophores: Potential Alternative for Efficient Organic Terahertz Generators. <i>Advanced Optical Materials</i> , 2020, 8, 1901921.	3.6	19
4213	A novel bromo-substituted thiophene based centrosymmetric crystals: Thermal, mechanical, and third order NLO properties for the optical limiting applications. <i>Physica B: Condensed Matter</i> , 2020, 585, 412083.	1.3	11
4214	Designing a Deep-UV Nonlinear Optical Fluorooxosilicophosphate. <i>Journal of the American Chemical Society</i> , 2020, 142, 6472-6476.	6.6	89
4215	Wide-Bandgap Organic Crystals: Enhanced Optical Terahertz Nonlinear Frequency Conversion at Near-Infrared Pumping. <i>Advanced Optical Materials</i> , 2020, 8, 1902099.	3.6	15

#	ARTICLE	IF	CITATIONS
4216	Thermal and nonlinear optical properties of semiorganic single crystal: L-Threonine p-nitrophenolate (LTPNP). IOP Conference Series: Materials Science and Engineering, 2020, 764, 012012.	0.3	0
4217	Two-stage evolution from phosphate to sulfate of new KTP-type family members as UV nonlinear optical materials through chemical cosubstitution-oriented design. Dalton Transactions, 2020, 49, 5276-5282.	1.6	31
4218	ABINIT: Overview and focus on selected capabilities. Journal of Chemical Physics, 2020, 152, 124102.	1.2	179
4219	Nonlinear organic-inorganic halide hybrids containing unprecedented linear [MIX ₂] ⁺ coordination units and quasi-two-dimensional lone pairs. Chemical Communications, 2020, 56, 4894-4897.	2.2	13
4220	K ₂ Na(IO ₃) ₂ (I ₃ O ₈) with Strong Second Harmonic Generation Response Activated by Two Types of Isolated Iodate Anions. Chemistry of Materials, 2020, 32, 3608-3614.	3.2	36
4221	Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. Journal of the American Chemical Society, 2020, 142, 7480-7486.	6.6	33
4222	Alignment of Polar Moieties Leading to Strong Second Harmonic Response in KCsMoP ₂ O ₉ . Chemistry of Materials, 2020, 32, 3297-3303.	3.2	31
4223	Mixed-valent selenium compounds: Noncentrosymmetric Cd ₃ (SeO ₃) ₂ (SeO ₄) and Hg ₃ (SeO ₃) ₂ (SeO ₄) and centrosymmetric Pb ₂ (SeO ₃)(SeO ₄). Journal of Solid State Chemistry, 2020, 286, 121292.	1.4	8
4224	Rational Design of the Nonlinear Optical Response in a Tin Iodate Fluoride Sn(IO ₃) ₂ F ₂ . Chemistry of Materials, 2020, 32, 2615-2620.	3.2	71
4225	Molecular Construction from AgGaS ₂ to CuZnPS ₄ : Defect-Induced Second Harmonic Generation Enhancement and Cosubstitution-Driven Band Gap Enlargement. Chemistry of Materials, 2020, 32, 3288-3296.	3.2	63
4226	Fabrication, Characterization and Optical Investigation of Semi-organic Nonlinear Alanine Hippurate Single Crystals. Journal of Cluster Science, 2022, 33, 439-448.	1.7	3
4227	Synthesis, crystal growth and characterization of (1E, 4E)-1, 5-bis (4-methoxyphenyl) penta-1, 4-dien-3-one (BMPD). AIP Conference Proceedings, 2020, , .	0.3	1
4228	Polar polymorphism: $\hat{1}\pm$ - and $\hat{1}^2$ -KCsWP ₂ O ₉ nonlinear optical materials with a strong second harmonic generation response. Journal of Materials Chemistry C, 2020, 8, 11441-11448.	2.7	19
4229	Polymorphism and Molten Nitrate Salt-Assisted Single Crystal to Single Crystal Ion Exchange in the Cesium Ferrogermanate Zeotype: CsFeGeO ₄ . Inorganic Chemistry, 2020, 59, 9699-9709.	1.9	10
4230	Sr ₅ Ga ₈ O ₃ S ₁₄ : A Nonlinear Optical Oxysulfide with Melilite-Derived Structure and Wide Band Gap. Inorganic Chemistry, 2020, 59, 9944-9950.	1.9	36
4231	Investigation on synthesis, laser damage threshold, and NLO properties of l-asparagine thioacetamide single crystal for photonic device applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 13310-13320.	1.1	9
4232	Crystal growth and optical properties of ammonium dihydrogen phosphate (ADP) crystals doped with Fe(II) and Fe(III): Oxidation number effects. Materials Today: Proceedings, 2020, 29, 1119-1124.	0.9	1
4233	Molecular salt crystals with bis(head-to-tail) interionic complementary assembly for efficient organic THz generators. Journal of Materials Chemistry C, 2020, 8, 10078-10085.	2.7	13

#	ARTICLE	IF	CITATIONS
4234	Synthesis and characterization of crystalline perfection on L-Lysine co-doping glycine barium chloride/C ₆ H ₁₄ N ₂ O ₂ (L-LGBCAC) single crystal for NLO materials. <i>Materials Today: Proceedings</i> , 2020, 30, 57-61.	0.9	2
4235	Investigation of structural, physical, linear, and nonlinear optical properties of two novel thiophene centred D-π-A type push-pull organic derivatives for nonlinear optical applications. <i>Journal of Molecular Structure</i> , 2020, 1220, 128763.	1.8	6
4236	PbB ₅ O ₇ F ₃ : A High-Performing Short-Wavelength Nonlinear Optical Material. <i>Chemistry of Materials</i> , 2020, 32, 2172-2179.	3.2	88
4237	Two Pyrophosphates with Large Birefringences and Second Harmonic Responses as Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2020, 132, 17801-17809.	1.6	25
4238	Mechanism of phase transition in guanidinium 4-nitrobenzoate studied by calorimetric and spectroscopic methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118663.	2.0	0
4239	Recognition of Fe ³⁺ by a new azine-based fluorescent "turn-off" chemosensor and its binding mode analysis using DFT. <i>Journal of Molecular Structure</i> , 2020, 1208, 127834.	1.8	24
4240	Noncentrosymmetric Fluorooxoborates A ₁₀ B ₁₃ O ₁₅ F ₁₉ (A = K and Rb) with Unexpected [B ₁₀ O ₁₂ F ₁₃] ⁷⁻ Units and Deep-Ultraviolet Cutoff Edges. <i>Inorganic Chemistry</i> , 2020, 59, 3274-3280.	1.9	21
4241	BaF ₂ TeF ₂ (OH) ₂ : A UV Nonlinear Optical Fluorotellurite Material Designed by Band-Gap Engineering. <i>Journal of the American Chemical Society</i> , 2020, 142, 4616-4620.	6.6	111
4242	Exploring remarkable impact of thiourea in enhancing the performance of NH ₄ H ₂ PO ₄ single crystal for photonic device applications. <i>Materials Chemistry and Physics</i> , 2020, 246, 122809.	2.0	20
4243	LiGa _{0.54} In _{0.46} S ₂ : A new infrared nonlinear optical material with large laser damage threshold designed by gallium substitution in LiInS ₂ . <i>Inorganic Chemistry Communication</i> , 2020, 115, 107852.	1.8	14
4244	Synthesis, Crystal Structure, and Characterization of a Noncentrosymmetric Sulfate Cs ₂ Ca ₂ (SO ₄) ₃ . <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 854-858.	1.0	16
4245	Crystal structure, growth and physicochemical properties of nonlinear optical single crystal: Bis(cyclohexylammonium) dioxalate hydrate. <i>Journal of Molecular Structure</i> , 2020, 1209, 127926.	1.8	9
4246	Evidence of Conglomerate with Partial Solid Solutions in Ethylammonium Chlocyphos. <i>Crystal Growth and Design</i> , 2020, 20, 2562-2569.	1.4	7
4247	The first rare-earth lead phosphates Pb ₃ AP ₃ O ₁₂ (A=Sc, Gd) with remarkable SHG enhancement. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121276.	1.4	3
4248	Na ₃ Sc ₂ (PO ₄) ₂ F ₃ : rational design and synthesis of an alkali rare-earth phosphate fluoride as an ultraviolet nonlinear optical crystal with an enlarged birefringence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4965-4972.	2.7	34
4249	Methyl substitution for noncentrosymmetric stacking: a promising organic single crystal for highly efficient terahertz-wave generation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4226-4233.	2.7	25
4250	Ba ₁₃ In ₁₂ Zn ₇ S ₃₈ and Ba ₁₂ In ₁₂ Zn ₈ Se ₃₈ : infrared nonlinear optical chalcogenides designed by zinc-induced non-centrosymmetry transformation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3688-3693.	2.7	17
4251	Characterization, NLO and Theoretical studies of Thallium Hydrogen Phthalate. <i>Emerging Materials Research</i> , 2020, 9, 1-9.	0.4	1

#	ARTICLE	IF	CITATIONS
4252	An Unprecedented Antimony(III) Borate with Strong Linear and Nonlinear Optical Responses. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7793-7796.	7.2	143
4253	Synthesis, growth and physicochemical characterization of 8-hydroxyquinolinium 3,4 dimethoxybenzoate, a novel organic nonlinear optical single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	13
4254	Gd(NO ₃) ₃ (SeO ₂) ₅ ·3H ₂ O: a nitrate selenite nonlinear optical material with a short ultraviolet cutoff edge. <i>Dalton Transactions</i> , 2020, 49, 3253-3259.	1.6	18
4255	An Unprecedented Antimony(III) Borate with Strong Linear and Nonlinear Optical Responses. <i>Angewandte Chemie</i> , 2020, 132, 7867-7870.	1.6	35
4256	Effects of P2O7 clusters arrangement on second harmonic generation responses of pyrophosphates. <i>Journal of Alloys and Compounds</i> , 2020, 827, 153922.	2.8	8
4257	La ₃ B ₆ O ₁₃ (OH): The First Acentric High-Pressure Borate Displaying Edge-Sharing BO ₄ Tetrahedra. <i>Chemistry - A European Journal</i> , 2020, 26, 6851-6861.	1.7	23
4258	Methylhydrazinium Lead Bromide: Noncentrosymmetric Three-Dimensional Perovskite with Exceptionally Large Framework Distortion and Green Photoluminescence. <i>Chemistry of Materials</i> , 2020, 32, 1667-1673.	3.2	142
4259	Growth and dielectric studies of toluidine tartrate single crystals: A novel organic NLO material. <i>Journal of Molecular Structure</i> , 2020, 1207, 127750.	1.8	23
4260	Intrinsic second-order nonlinearity in chalcogenide glasses containing HgI ₂ . <i>Journal of the American Ceramic Society</i> , 2020, 103, 3070-3075.	1.9	3
4261	Influence of different solvents on the growth, thermal and dielectric properties of Phthalic acid single crystals. <i>Materials Research Innovations</i> , 2020, 24, 422-432.	1.0	2
4262	Structural, optical, thermal and nonlinear optical properties of Triphenylamine (TPA) single crystal grown by Bridgman Stockbarger method. <i>Chemical Physics Letters</i> , 2020, 742, 137128.	1.2	11
4263	Single crystal growth of l-tartaric acid and its characterization for optical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4494-4502.	1.1	7
4264	Organic ĩfHole Containing Crystals with Enhanced Nonlinear Optical Response and Efficient Optical-to-THz Frequency Conversion. <i>Advanced Optical Materials</i> , 2020, 8, 1901840.	3.6	17
4265	Rb ⁹⁺ Ag ₃ Sc ₂ (WO ₄) ₉ : a new glaserite-related structure type, rubidium disorder, ionic conductivity. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 28-37.	0.5	3
4266	Synthesis, crystal structures and optical properties of open-framework gallium phosphates: NaGa ₃ F ₄ (PO ₄) ₂ (H ₂ O) ₂ and AGa ₂ P ₂ O ₇ (OH) ₃ (H ₂ O) (A = K, Rb). <i>Journal of Solid State Chemistry</i> , 2020, 288, 121412.	1.4	1
4267	Ba ₆ In ₆ Zn ₄ Se ₁₉ : a high performance infrared nonlinear optical crystal with [InSe ₃] ³⁺ trigonal planar functional motifs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7947-7955.	2.7	15
4268	A Chiral Bis(salicylaldiminato)zinc(II) Complex with Second-Order Nonlinear Optical and Luminescent Properties in Solution. <i>Inorganics</i> , 2020, 8, 25.	1.2	18
4269	Growth and investigation on novel single crystal of ĩ ² -cyclodextrin 2, 4-dinitrophenylhydrazine for optical sensors applications. <i>Materials Today: Proceedings</i> , 2020, 30, 45-51.	0.9	0

#	ARTICLE	IF	CITATIONS
4288	Three-Dimensional Perovskite Methylhydrazinium Lead Chloride with Two Polar Phases and Unusual Second-Harmonic Generation Bistability above Room Temperature. <i>Chemistry of Materials</i> , 2020, 32, 4072-4082.	3.2	104
4289	Synthesis, growth, structural, optical, thermal and mechanical studies on cadmium nitrate p-nitrophenol: A semi-organic nonlinear optical application. <i>Materials Today: Proceedings</i> , 2021, 36, 179-183.	0.9	4
4290	A powder method for the high-efficacy evaluation of electro-optic crystals. <i>National Science Review</i> , 2021, 8, nwaal04.	4.6	21
4291	Synthesis, growth and characterization of new nonlinear optical material of L-Norvalinium hydrogen maleate. <i>Materials Today: Proceedings</i> , 2021, 34, 412-415.	0.9	4
4292	A study on structural, microhardness, dielectric and antimicrobial properties of TSMnAc crystal. <i>Materials Research Innovations</i> , 2021, 25, 208-214.	1.0	3
4293	Novel methyl furan based chalcone material for potential nonlinear optical applications. <i>Materials Today: Proceedings</i> , 2021, 35, 409-411.	0.9	1
4294	Experimental and Theoretical Studies on Various Linear and Non-linear Optical Properties of 3-Aminopyridinium 3,5-Dinitrobenzoate for Photonic Applications. <i>Brazilian Journal of Physics</i> , 2021, 51, 22-39.	0.7	6
4295	Synthesis, growth and characterization of 2,5- μ dimethyl-N-(3-phenylprop-2-en-1-ylidene) aniline (2,5) Tj ETQq1 1 0.784314 rgBT /Ove applications. <i>Optik</i> , 2021, 226, 165947.	1.4	24
4296	Spectroscopic investigation, Hirshfeld surface analysis and molecular docking studies on mebendazole and its derivatives. <i>Journal of Molecular Structure</i> , 2021, 1227, 129566.	1.8	0
4297	Influence of dye doping on the structural, spectral, optical, thermal, electrical, mechanical and nonlinear optical properties of L-histidine hydrofluoride dihydrate crystals. <i>Journal of Molecular Structure</i> , 2021, 1223, 128958.	1.8	17
4298	L-Valine doped oxalate single crystals for optoelectronic applications. <i>Chinese Journal of Physics</i> , 2021, 71, 159-167.	2.0	3
4299	The First Bismuth Borosulfates Comprising Oxonium and a Tectosilicate-Analogous Anion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1503-1506.	7.2	20
4300	Investigations of solid state, optical, NLO, dielectric and mechanical behaviour of Methyl para-Hydroxybenzoate crystal. <i>Optik</i> , 2021, 226, 165738.	1.4	9
4301	Novel enantiomeric Pb-coordination polymers dictated by the corresponding chiral ligands, $[Pb((R,R)-TBA)(H_2O)] \cdot 1.7H_2O$ and $[Pb((S,S)-TBA)(H_2O)] \cdot 1.7H_2O$ [$TBA = 1,3,5$ -triazin-2(1H)-one-4,6-bis(alanyl)]. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1330-1340.	3.2	18
4302	Die ersten zwei Bismutborosulfate eines davon enth<lt Oxonium und ein tektosilicatanaloges Anion. <i>Angewandte Chemie</i> , 2021, 133, 1525-1529.	1.6	8
4303	Spectroscopic characterization and structural insights of 4,4,4-trifluoro-1-(2-naphthyl)-1,3-butanedione using vibrational, optical, electronic spectra, reduced density gradient and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2021, 1231, 129675.	1.8	9
4304	Stuffed Tridymite Structures: Synthesis, Structure, Second Harmonic Generation, Optical, and Multiferroic Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 1995-2008.	1.7	5
4305	Growth, mechanical, thermal and nonlinear optical properties of magnesium doped ninhydrin crystals. <i>Materials Today: Proceedings</i> , 2021, 42, 567-571.	0.9	0

#	ARTICLE	IF	CITATIONS
4306	Crystal growth, characterization and theoretical studies of the noncentrosymmetric compound $\text{Al}_3(\text{IO}_3)_9 \cdot (\text{HIO}_3)_6 \cdot 18\text{H}_2\text{O}$. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157852.	2.8	3
4307	Bifunctional $\text{Nd}:\text{CaSrNb}_2\text{O}_7$ crystal: A potential self-frequency-doubling laser material candidate. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157225.	2.8	7
4308	Influence of Zn^{2+} on laser induced optical and electrical traits of KH_2PO_4 crystal for NLO device applications. <i>Optik</i> , 2021, 227, 165998.	1.4	10
4309	Studies on non-linear optical property of $\hat{\Gamma}_2$ polymorph of 5-nitrofurazone- a promising optical material: Experimental and quantum computational approach. <i>Chemical Physics Letters</i> , 2021, 763, 138161.	1.2	1
4310	Synthesis, crystal structure, vibrational, optical, thermal and photoluminescence properties of dibromidobis{2-[(2-chlorophenyl)methylidene]hydrazine-1-carbothioamide}-cadmium $[\text{CdL}_2\text{Br}_2]$. <i>Chemical Data Collections</i> , 2021, 31, 100594.	1.1	1
4311	Linear and nonlinear optical properties, pyroelectricity and vibrational spectroscopy of polar guanidinium hydrogen phosphite, GuH_2PO_3 , and hydrogen selenite, GuHSeO_3 . <i>Optical Materials</i> , 2021, 111, 110722.	1.7	5
4312	Linear and nonlinear optical and quantum chemical studies on Quinolinium 3,5-dinitrobenzoate: A novel third order non-linear optical material for optoelectronic applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119304.	2.0	10
4313	Borates: A Rich Source for Optical Materials. <i>Chemical Reviews</i> , 2021, 121, 1130-1202.	23.0	534
4314	From AgGaS_2 to AgHgPS_4 : vacancy defects and highly distorted HgS_4 tetrahedra double-induced remarkable second-harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1062-1068.	2.7	42
4315	$\text{Sn}_2\text{B}_5\text{O}_9\text{Br}$ as an Outstanding Bifunctional Material with Strong Second Harmonic Generation Effect and Large Birefringence. <i>Advanced Optical Materials</i> , 2021, 9, 2001734.	3.6	49
4316	A New Nonlinear Optical Selenide Crystal $\text{AgLiGa}_2\text{Se}_4$ with Good Comprehensive Performance in Mid-Infrared Region. <i>Advanced Optical Materials</i> , 2021, 9, 2001856.	3.6	28
4317	Nonlinear Optical Oxythiophosphate Approaching the Good Balance with Wide Ultraviolet Transparency, Strong Second Harmonic Effect, and Large Birefringence. <i>Angewandte Chemie</i> , 2021, 133, 6456-6460.	1.6	12
4318	Nonlinear Optical Oxythiophosphate Approaching the Good Balance with Wide Ultraviolet Transparency, Strong Second Harmonic Effect, and Large Birefringence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6386-6390.	7.2	49
4319	Nonlinear optical effects in two mercury cyanamide/guanidinium chlorides $\text{Hg}_3(\text{NCN})_2\text{Cl}_2$ and $\text{Hg}_2(\text{C}(\text{NH}_2)_3)\text{Cl}_5$. <i>Journal of Materials Chemistry C</i> , 2021, 9, 967-974.	2.7	3
4320	Light-Triggered, Non-Centrosymmetric Self-Assembly of Aqueous Arylazopyrazoles at the Air-Water Interface and Switching of Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6333-6338.	7.2	21
4321	Ferrimagnetic and relaxor ferroelectric properties of $\text{R}_2\text{MnMn}(\text{MnTi}_3)\text{O}_{12}$ perovskites with $\text{R} = \text{Nd, Eu, and Gd}$. <i>Journal of Materials Chemistry C</i> , 2021, 9, 947-956.	2.7	6
4322	A novel promising infrared nonlinear optical selenide $\text{KAg}_3\text{Ga}_8\text{Se}_{14}$ designed from benchmark AgGaQ_2 ($\text{Q} = \text{Tl, Bi, Sb, As, P, N, O}$) / <i>Overlooked</i>	2.7	84
4323	$\text{Sb}_6\text{O}_7(\text{SO}_4)_2$: A Promising Ultraviolet Nonlinear Optical Material with an Enhanced Second Harmonic Generation Response Activated by Sb^{III} Lone Pair Stereoactivity. <i>Chemistry - A European Journal</i> , 2021, 27, 5880-5884.	1.7	33

#	ARTICLE	IF	CITATIONS
4324	Ba ₃ [Al(PO ₄) ₃]: rational design of a promising deep-UV transparent SHG crystal with balanced overall performance originating from the condensation of quartz-type [Al(PO ₄) ₄] ⁹⁺ units. Journal of Materials Chemistry C, 2021, 9, 1550-1554.	2.7	13
4325	A nonlinear optical cadmium(II)-based metal-organic framework with chiral helical chains derived from an achiral bent dicarboxylate ligand. CrystEngComm, 2021, 23, 824-830.	1.3	11
4326	Influence of L-Lysine-doped Tartaric Acid-Potassium Bromide single crystals: growth and characterization of photonic applications. Indian Journal of Physics, 2021, 95, 1325-1331.	0.9	0
4327	<i>In situ</i> hydrothermal synthesis of polar second-order nonlinear optical selenate Na ₅ (SeO ₄)(HSeO ₄) ₃ (H ₂ O) ₂ . Inorganic Chemistry Frontiers, 2021, 8, 3141-3148.	3.0	11
4328	Evolving NLO effect, mechanical, thermal, and dielectric study of N-Benzoyl glycine doped L-Threonine. Materials Today: Proceedings, 2021, 46, 3409-3412.	0.9	0
4329	Homochiral three-dimensional noncentrosymmetric lanthanide coordination polymers directed by chiral linkers: syntheses, crystal structures, and optical properties. CrystEngComm, 2021, 23, 3701-3709.	1.3	6
4330	Growth and characterization of lithium chloride doped KDP crystals: a DFT and experimental approach. Ferroelectrics, 2021, 571, 1-25.	0.3	8
4331	Structural Variation and Switchable Nonlinear Optical Behavior of Metal-Organic Frameworks. Small, 2021, 17, e2006649.	5.2	30
4332	First chiral fluorinated lead vanadate selenite Pb ₂ (V ₂ O ₄ F)(VO ₂)(SeO ₃) ₃ with five asymmetric motifs and large optical properties. Dalton Transactions, 2021, 50, 7238-7245.	1.6	8
4333	Facile syntheses of silver thioantimonates exhibiting second-harmonic generation responses and large birefringence. Dalton Transactions, 2021, 50, 3568-3576.	1.6	7
4334	Ferrocene-appended boronated ester: effect of cyanovinylene group on the nonlinear optical properties and colorimetric detection of fluoride ion. New Journal of Chemistry, 2021, 45, 12509-12518.	1.4	12
4335	K ₂ Pb(H ₂ C ₃ N ₃ O ₃) ₄ (H ₂ O) ₄ : a potential UV nonlinear optical material with large birefringence. Inorganic Chemistry Frontiers, 2021, 8, 3547-3555.	3.0	27
4336	Na ₇ (IO ₃)(SO ₄) ₃ : the first noncentrosymmetric alkaline-metal iodate-sulfate with isolated [IO ₃] and [SO ₄] units. Chemical Communications, 2021, 57, 9598-9601.	2.2	14
4337	Amino acid-templated zinc phosphites: low-dimensional structures, fluorescence, and nonlinear optical properties. Dalton Transactions, 2021, 50, 5442-5445.	1.6	6
4338	A multiaxial electrical switching in a one-dimensional organic-inorganic (pyrrolidinium) ₂ Cd ₂ l ₆ ferroelectric and photoluminescent crystal. Journal of Materials Chemistry C, 2021, 9, 7665-7676.	2.7	16
4339	Engineering entangled photon pairs with metal-organic frameworks. Chemical Science, 2021, 12, 3475-3482.	3.7	9
4340	Optical, electrical, HOMO-LUMO and first-order hyperpolarizability studies on 2-amino-5-bromopyridinium 4-hydroxybenzoate-an organic single crystal for opto-electronic applications. Molecular Crystals and Liquid Crystals, 2021, 715, 69-80.	0.4	4
4341	Growth, optical, spectral, thermal and mechanical investigations of organic NLO crystal cis-2, 6-bis(4-chlorophenyl)-3, 3-dimethylpiperidin-4-one. Bulletin of Scientific Research, 0, , 13-20.	0.0	0

#	ARTICLE	IF	CITATIONS
4342	Revisiting thiophosphate $\text{Pb}_3\text{P}_2\text{S}_8$: a multifunctional material combining a nonlinear optical response and photocurrent response. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23696-23702.	1.3	15
4343	Exploring the influence of CdCl_2 on the nonlinear properties of 4-(N,N-dimethylamino)-4-methyl-stilbazolium tosylate (DAST) crystal for optoelectronic applications. <i>Materials Technology</i> , 2022, 37, 618-630.	1.5	9
4344	Effect of malachite green dye doping in trithiourea zinc (II) sulphate single crystal—a potential nonlinear optical material. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2564-2578.	1.1	11
4345	Influence of L-Phenylalanine doping on potassium dihydrogen phosphate: crystal growth, structural, optical and mechanical traits. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5698-5712.	1.1	2
4346	Heterovalent cations substitution to design asymmetric chalcogenides with promising nonlinear optical performances. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8659-8665.	2.7	25
4347	Centrosymmetric $\text{RbSnF}_2\text{NO}_3$ vs. noncentrosymmetric $\text{Rb}_2\text{SbF}_3(\text{NO}_3)_2$. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3317-3324.	3.0	29
4348	Deep-ultraviolet transparent alkali metal-rare earth metal sulfate $\text{NaY}(\text{SO}_4)_2\cdot\text{H}_2\text{O}$ as a nonlinear optical crystal: synthesis and characterization. <i>CrystEngComm</i> , 2021, 23, 2945-2951.	1.3	14
4349	$\text{A}_3\text{Mn}_2\text{Sb}_3\text{S}_8$ (A = K and Rb): a new type of multifunctional infrared nonlinear optical material based on unique three-dimensional open frameworks. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2835-2843.	3.0	34
4350	$\text{M}(\text{B}(\text{SeO}_3)_3)_3\text{H}_2\text{O}$ (M = Al, Ga): the first boroselenites with a unique sandwich like double-layer structure. <i>Dalton Transactions</i> , 2021, 50, 15057-15061.	1.6	3
4351	$\text{Ba}_4\text{Ca}(\text{B}_2\text{O}_5)_2\text{F}_2$: π -conjugation of B_2O_5 in the planar pentagonal layer achieving large second harmonic generation of <i>pyro</i> -borate. <i>Chemical Science</i> , 2021, 12, 13897-13901.	3.7	19
4352	$\text{Ba}_2.5\text{Pb}_{1.5}\text{B}_{12}\text{O}_{22}$: structural transformation from a centrosymmetric to a noncentrosymmetric space group by introducing Pb into $\text{Ba}_2\text{B}_6\text{O}_{11}$. <i>Dalton Transactions</i> , 2021, 50, 13031-13036.	1.6	5
4353	Ferroelectric state and polarization switching behaviour of ultrafine BaTiO_3 nanoparticles with large-scale size uniformity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5267-5276.	2.7	9
4354	$\text{Pb}_2\text{TiFO}(\text{SeO}_3)_2\text{Br}$: a new polar compound with the strongest second harmonic generation in the selenite bromide family. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6491-6497.	2.7	19
4355	To improve the key properties of nonlinear optical crystals assembled with tetrahedral functional building units. <i>Chemical Science</i> , 2021, 12, 4014-4020.	3.7	34
4356	Growth of β -glycine single crystals using the tailored additive of potassium chloride and L-Proline and analyzing micro structural, optical, mechanical and electrical parameters. <i>Chemical Physics Letters</i> , 2021, 765, 138301.	1.2	4
4357	Growth, characterization and theoretical parameter study of benzimidazole L-tartrate single crystal: a nonlinear optical material. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	3
4358	Halonitrides Zn_2NX (X=Cl,Br): Novel Mid-Infrared Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2021, 33, 1462-1470.	3.2	19
4359	An Investigation on Thermophysical and Dielectric Properties of Ammonium Dihydrogen Phosphate Single Crystal for Opto-electronic Device Applications. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	5

#	ARTICLE	IF	CITATIONS
4360	Light-Triggered, Non-Centrosymmetric Self-Assembly of Aqueous Arylazopyrazoles at the Air-Water Interface and Switching of Second-Harmonic Generation. <i>Angewandte Chemie</i> , 2021, 133, 6403-6408.	1.6	1
4361	[C(NH ₂) ₃] ₃ PO ₄ ·2H ₂ O: A new metal-free ultraviolet nonlinear optical phosphate with large birefringence and second-harmonic generation response. <i>Science China Materials</i> , 2021, 64, 2008-2016.	3.5	28
4362	Crystal growth, structural, nonlinear, optical and theoretical investigations of L-histidinium trichloroacetate single crystals. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	8
4363	A Polar Material with Facility of Crystal Growth and a Large Second-Harmonic Generation Response. <i>Crystal Growth and Design</i> , 2021, 21, 1734-1740.	1.4	3
4364	Noncentrosymmetric Tetrel Pnictides RuSi ₄ P ₄ and IrSi ₃ P ₃ : Nonlinear Optical Materials with Outstanding Laser Damage Threshold. <i>Advanced Functional Materials</i> , 2021, 31, 2010293.	7.8	27
4365	Synthesis, crystal growth, and physicochemical characterization of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (4AP4NP) single crystals for NLO applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6141-6157.	1.1	17
4366	A Series of Pentanary Salt-Inclusion Chalcogenoborates Containing a B ₁₂ Q ₁₂ (Q = S, Se) Cluster Exhibiting a Kleinman-Forbidden Frequency-Doubling Effect. <i>Inorganic Chemistry</i> , 2021, 60, 3375-3383.	1.9	18
4367	Integrity in linear and nonlinear optical properties of L-tyrosine doped bis thiourea cadmium acetate single crystal. <i>Ferroelectrics</i> , 2021, 573, 52-62.	0.3	1
4368	Sodium Site Exchange and Migration in a Polar Stuffed-Cristobalite Framework Structure. <i>Inorganic Chemistry</i> , 2021, 60, 4322-4331.	1.9	2
4369	Synthesis and crystal growth of 2, 3-dimethyl-N-[2-(hydroxy) benzylidene] aniline: An organic second-order non-linear optical crystal for non-linear optical (NLO) applications. <i>Optical Materials</i> , 2021, 113, 110864.	1.7	7
4370	Structural Modulation from Cu ₃ PS ₄ to Cu ₅ Zn _{0.5} P ₂ S ₈ : Single-Site Aliovalent-Substitution-Driven Second-Harmonic-Generation Enhancement. <i>Inorganic Chemistry</i> , 2021, 60, 4357-4361.	1.9	11
4371	Discovery of NLO Semiorganic (C ₅ H ₆ ON) ⁺ (H ₂ PO ₄) ⁻ : Dipole Moment Modulation and Superior Synergy in Solar-Blind UV Region. <i>Journal of the American Chemical Society</i> , 2021, 143, 3647-3654.	6.6	99
4372	Na ₆ MQ ₄ (M=Zn, Cd; Q=S, Se): Promising New Ternary Infrared Nonlinear Optical Materials. <i>Chemistry - A European Journal</i> , 2021, 27, 6538-6544.	1.7	16
4373	AZn(PO ₃) ₃ (A = K, Rb): Deep-Ultraviolet Nonlinear Optical Phosphates Derived from Synergy of a Unique [ZnO ₆] Octahedron and a [PO ₃] ⁻ Chain. <i>Crystal Growth and Design</i> , 2021, 21, 2445-2452.	1.4	15
4374	Two Lead Halides with Strong SHG Response Obtained by the Isovalent Substitutions of Alkali Metal Cation and Halogen Anion. <i>Inorganic Chemistry</i> , 2021, 60, 5290-5296.	1.9	14
4376	Synthesis, growth, optical studies and antimicrobial activity of a new semiorganic nonlinear optical crystal L-valine bariumchloride. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	3
4377	LaSi ₃ and LaSi ₂ P ₆ : Two Excellent Rare-Earth Pnictides with Strong SHG Responses as Mid- and Far-Infrared Nonlinear Optical Crystals. <i>Advanced Optical Materials</i> , 2021, 9, 2002176.	3.6	9
4378	Crystalline Porous Materials for Nonlinear Optics. <i>Small</i> , 2021, 17, e2006416.	5.2	52

#	ARTICLE	IF	CITATIONS
4379	Growth and SHG of a 3D coordination polymer based on metallacalix[4]arenes molecular building blocks. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2021, 30, 2050012.	1.1	1
4380	M(NH ₂ SO ₃) ₂ (M=Sr, Ba): Two Deep-Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7621-7625.	7.2	73
4381	Synthesis, crystal growth, characterization and DFT investigation of a nonlinear optically active cuminaldehyde derivative hydrazone. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 249-259.	0.5	7
4382	Ï-Conjugated Trigonal Planar [C(NH ₂) ₃] ⁺ Cationic Group: A Superior Functional Unit for Ultraviolet Nonlinear Optical Materials. <i>ACS Omega</i> , 2021, 6, 9263-9268.	1.6	22
4383	Titanium Iodates with a Second-Harmonic-Generation Response. <i>Inorganic Chemistry</i> , 2021, 60, 5821-5828.	1.9	6
4384	[Methylhydrazinium] ₂ PbBr ₄ , a Ferroelectric Hybrid Organic-Inorganic Perovskite with Multiple Nonlinear Optical Outputs. <i>Chemistry of Materials</i> , 2021, 33, 2331-2342.	3.2	97
4385	Growth and XRD, Elemental, Mechanical, Dielectric, Optical and Photoconductivity, and Surface Morphological Characterizations of 2-[4-(Trifluoromethyl) phenyl]-1H-benzimidazole (TFMPHB) Crystals for Electronic, Mechanical Applications. <i>Brazilian Journal of Physics</i> , 2021, 51, 339-350.	0.7	30
4386	Investigation of the second-order nonlinear optical property of Sr ₆ Sb ₆ S ₁₇ . <i>Journal of Solid State Chemistry</i> , 2021, 295, 121915.	1.4	3
4387	Introduction of Li into Ag-Based Noncentrosymmetric Sulfides for High-Performance Infrared Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2021, 60, 5198-5205.	1.9	26
4388	Borosilicate Crystal LaBSiO ₅ : A New Promising Ultraviolet Quasiphase Matching Material. <i>Advanced Optical Materials</i> , 2021, 9, 2100080.	3.6	16
4389	Influence of Thiourea Metal Complex on Potassium Dihydrogen Phosphate for Optoelectronic Applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1124, 012004.	0.3	1
4390	Structural, Magnetic, and Electrical Properties of Doubly Ordered Perovskites NaLnNiWO ₆ (Ln = La, Pr, Nd, Sm, Eu, Gd, and Tb). <i>Journal of Physical Chemistry C</i> , 2021, 125, 6749-6757.	1.5	10
4391	M(NH ₂ SO ₃) ₂ (M=Sr, Ba): Two Deep-Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. <i>Angewandte Chemie</i> , 2021, 133, 7699-7703.	1.6	39
4392	XRD, CHNSO, fluorescence, filter-influx, NLO, photoconductivity, hardness and helical spring-fabricated device stress analysis of 2-chloro-4-methoxy-3-nitrobenzil (CMNB) crystal of different scalings for opto-electronic filter and band gap engineering utilities. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10049-10057.	1.1	20
4393	M ₃ B ₆ O ₁₀ NO ₃ (M=...=...K, Rb): Two New Alkali Metal Borate-Nitrates with Noncentrosymmetric Structures. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1297-1304.	1.0	12
4394	Pressure Controls the Structure and Nonlinear Optical Properties of Piezochromic CdTeMoO ₆ . <i>Chemistry of Materials</i> , 2021, 33, 2929-2936.	3.2	12
4395	A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie</i> , 2021, 133, 11558-11564.	1.6	11
4396	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. <i>Inorganic Chemistry</i> , 2021, 60, 5851-5859.	1.9	12

#	ARTICLE	IF	CITATIONS
4397	Cd ₃ (IO ₃)(IO ₄)F ₂ ·0.1CdO: A Nonlinear-Optical Crystal with the Introduction of Fluoride into Iodate Containing Both [IO ₃] ⁺ and [IO ₄] ³⁻ Groups. <i>Inorganic Chemistry</i> , 2021, 60, 6040-6046.	1.9	11
4398	I ³⁺ O ⁰⁺ -Type 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2021, 33, 2804-2813.	3.2	9
4399	Microhardness and SHG efficiency of pure and picric acid-added KDP crystals. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	2
4400	Micro-strain administered SHG intensity enhancement by heavy Ce doping in co-precipitated ZnO nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 266, 115041.	1.7	19
4401	Crystallographic investigation, Hirshfeld surface analysis, NLO characterization and experimental spectral (UV and NMR) studies with DFT probe on(R)-9-(2-hydroxy propyl)adenine. <i>Heliyon</i> , 2021, 7, e06593.	1.4	4
4402	Organic Nanocrystal Fabrication Using the Process of Resonant Second-Harmonic Generation of Light. <i>ACS Omega</i> , 2021, 6, 10547-10556.	1.6	4
4403	A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11457-11463.	7.2	37
4404	Enhancement of Second-Order Nonlinear Optical Properties of Centrosymmetric Ferrocenyl Borasiloxane by a Broken-Symmetry Approach. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8732-8740.	1.5	11
4405	Three-in-One Strategy Constructing a Series of Hybrid Tetrahedral Motif-Based Selenides with Balanced Second-Order Nonlinear Optical Performance. <i>Inorganic Chemistry</i> , 2021, 60, 6641-6648.	1.9	12
4406	Acentric Organic-Inorganic Hybrid Halide [N(CH ₃) ₃] ₄] ₂ HgBr ₂ I ₂ Featuring an Isolated [HgBr ₂ I ₂] ²⁺ Tetrahedron and Second-Order Nonlinearity. <i>Inorganic Chemistry</i> , 2021, 60, 6829-6835.	1.9	13
4407	Steric Group Design for Enhancement of Optical Nonlinearity in Isoxazolone-Based Crystals and Terahertz-Wave Generation. <i>Crystal Growth and Design</i> , 2021, 21, 3153-3157.	1.4	13
4408	Growth and characterization of a chalcone derivative DMMC with strong SHG efficiency for NLO applications. <i>Optik</i> , 2021, 231, 166410.	1.4	5
4409	Investigations on Crystalline Perfection, Raman Spectra and Optical Characteristics of Transition Metal (Ru) Co-Doped Mg:LiNbO ₃ Single Crystals. <i>ACS Omega</i> , 2021, 6, 10807-10815.	1.6	14
4410	A New Anhydrous Polar Rare-Earth Iodate Fluoride, Ce(IO ₃) ₂ F ₂ , Exhibiting a Large Second-Harmonic-Generation Effect and Improved Overall Performance. <i>Chemistry of Materials</i> , 2021, 33, 2894-2900.	3.2	23
4411	Alloy Engineering of a Polar (Si,Ge) ₂ N ₂ O System for Controllable Second Harmonic Performance. <i>Inorganic Chemistry</i> , 2021, 60, 7381-7388.	1.9	5
4412	Two Chiral Metal Complex Templated Aluminoborates Constructed from Three Types of Oxoboron Clusters. <i>Inorganic Chemistry</i> , 2021, 60, 6576-6584.	1.9	12
4413	Quadruple Photoresponsive Functionality in a Crystalline Hybrid Material: Photochromism, Photomodulated Fluorescence, Magnetism and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 7842-7846.	1.7	63
4414	Struvite-type AMgPO ₄ ·6H ₂ O (A = NH ₄ , K): Two Natural Deep-Ultraviolet Transparent Nonlinear Optical Crystals. <i>Inorganic Chemistry</i> , 2021, 60, 8103-8110.	1.9	6

#	ARTICLE	IF	CITATIONS
4415	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deep-UV Nonlinear Optical Application. <i>Angewandte Chemie</i> , 2021, 133, 14771-14777.	1.6	13
4416	Dielectric dispersion, relaxation processes and interaction investigation by time domain reflectometry, thermal analysis and spectral implications on aromatic amino acid in aqueous solution. <i>Journal of Molecular Liquids</i> , 2021, 329, 115470.	2.3	3
4417	Structural, thermal, dielectric, nonlinear optical properties and DFT investigations of a novel material 2-(6-chloropyridin-3-yl)-N'-(2,3-dihydro-1,4-benzodioxin-6-ylmethylidene)acetohydrazide for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14677-14702.	1.1	12
4418	$K_5Mg_2La_3(BO_3)_6$: An Efficient, Deep-Ultraviolet Nonlinear Optical Material. <i>Chemistry of Materials</i> , 2021, 33, 4240-4246.	3.2	33
4419	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deep-UV Nonlinear Optical Application. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14650-14656.	7.2	109
4420	Exploring linear-nonlinear optical, dielectric and microscopic traits of sulphamic acid crystal exploiting Zn^{2+} for photonic device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16445-16455.	1.1	6
4421	Nonlinear Optical Properties of Emerging Nano- and Microcrystalline Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2100216.	3.6	37
4422	Nanoindentation and structural studies of MgO-doped congruent LiNbO ₃ single crystals. <i>Materials Chemistry and Physics</i> , 2021, 264, 124425.	2.0	6
4423	$Sr_2Nb_6O_{13}F_8 \cdot 4H_2O$ and $Sr_3Nb_2O_2F_{12} \cdot 2H_2O$: A Variant of Three-Dimensional Tungsten Bronze and a Polar Molecular Oxide Fluoride. <i>Inorganic Chemistry</i> , 2021, 60, 7914-7921.	1.9	14
4424	Enhanced linear and non-linear optical activity of lead onto l-threonine cadmium acetate crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13261-13268.	1.1	2
4425	Crystal Growth, Optical, Thermal, Mechanical and Laser Damage Threshold Properties of Nonlinear Optical l-Methionine Inserted Potassium Pentaborate (LMKB5) Single Crystal for Optoelectronic Applications. <i>Journal of Electronic Materials</i> , 2021, 50, 4388-4396.	1.0	11
4426	Coordination Properties of Hydroxyisophthalic Acids: Topological Correlations, Synthesis, Structural Analysis, and Properties of New Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 9180-9192.	1.7	16
4427	$CsZrF_4(IO_3)$: The First Polar Zirconium Iodate with <i>cis</i> -[Zr_2F_6] Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. <i>Chemistry of Materials</i> , 2021, 33, 5555-5562.	3.2	29
4428	Tuning the nonlinear optical properties by engineering donor-acceptor configurations in nitrochalcone derivatives. <i>Optical Materials</i> , 2021, 115, 111024.	1.7	6
4429	ASb_5S_8 (A = K, Rb, and Cs): Thermal Switching of Infrared Nonlinear Optical Properties across the Crystal/Glass Transformation. <i>Chemistry of Materials</i> , 2021, 33, 3729-3735.	3.2	23
4430	Tin Chloride Sulfates $A_3Sn_2(SO_4)_3 \cdot xCl_{1+2x}$ (A =) Tj ETQq1 1 0.784314 rg		
4431	$\hat{1}\pm$ - Ca_2CdP_2 and $\hat{1}^2$ - Ca_2CdP_2 : Two Polymorphic Phosphide-Based Infrared Nonlinear Crystals with Distorted NLO-Active Tetrahedral Motifs Realizing Large Second Harmonic Generation Effects and Suitable Band Gaps. <i>Inorganic Chemistry</i> , 2021, 60, 7553-7560.	1.9	14
4432	$A_2MoO_2F_3$ (IO_2F_2) (A = Rb, Tj ETQq1 1 0.784314 rg) <i>Chemistry of Materials</i> , 2021, 33, 5700-5708.	3.2	30

#	ARTICLE	IF	CITATIONS
4433	Second-order nonlinear optical property of the ultraviolet transparent alkali metal-rare earth metal carbonate Na ₃ Y(CO ₃) ₃ ·3H ₂ O. <i>Journal of Solid State Chemistry</i> , 2021, 298, 122095.	1.4	1
4434	Sr ₂ Pb(BeB ₅ O ₁₀)(BO ₃): An Excellent Ultraviolet Nonlinear-Optical Beryllium Borate by the Pb-Modified Construction of a Conjugated System and Lone-Pair Effect. <i>Inorganic Chemistry</i> , 2021, 60, 11214-11221.	1.9	10
4435	Chemical growth dynamics of 4-Methyl-4-hydroxy Benzylidene Aniline NLO single crystal structure and spectroscopic applications. <i>Journal of Molecular Structure</i> , 2021, 1233, 130054.	1.8	12
4436	Organic THz Generators: A Design Strategy for Organic Crystals with Ultralarge Macroscopic Hyperpolarizability. <i>Advanced Optical Materials</i> , 2021, 9, 2100324.	3.6	10
4437	Crystal growth, structural, optical, thermal, dielectric, mechanical and NLO studies of L-tyrosine zinc carbonate single crystals. <i>Materials Today: Proceedings</i> , 2022, 49, 2574-2579.	0.9	6
4438	Structural, mechanical, dielectric, thermal, and nonlinear optical properties of zinc-doped ninhydrin single crystals. <i>Indian Journal of Physics</i> , 2022, 96, 2313-2321.	0.9	3
4439	BaYOBO ₃ : A deep-ultraviolet rare-earth oxy-borate with a large second harmonic generation response. <i>Science China Chemistry</i> , 2021, 64, 1184-1191.	4.2	22
4440	L-citrulline (LC) doped zinc tris-thiourea sulfate (ZTS) single crystals for photonic applications. <i>Indian Journal of Physics</i> , 0, , 1.	0.9	2
4441	Synthesis and characterization of L-threonine ammonium bromide: grown on single crystal with experimental studies on NLO. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	2
4442	Growth, XRD, optical, thermal, mechanical, electrical and NLO studies on mixture of potassium hydrogen phthalate and L-tartaric acid crystal for NLO applications. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	3
4443	Investigation on the Effects of MnCl ₂ Doping on Structural and Optical Properties of DAST Single Crystals as Materials for Second Order Nonlinear Optics. <i>Crystal Research and Technology</i> , 2021, 56, 2100016.	0.6	12
4444	Modeling of Random Quasi-Phase-Matching in Birefringent Disordered Media. <i>Physical Review Applied</i> , 2021, 15, .	1.5	8
4445	Synthesis, Growth and Characterization of a Non-Linear Optical Crystal: Glycine Lead acetate (GLA). <i>Materials Today: Proceedings</i> , 2022, 49, 2588-2591.	0.9	1
4446	Synthesis, Structure, Characterization, and Calculation of a Noncentrosymmetric Fluorine-Containing Indium Iodate, Ba[InF ₃ (IO ₃) ₂]. <i>Crystal Growth and Design</i> , 2021, 21, 4005-4012.	1.4	8
4447	Organic piperazine p-nitrophenol (PPN) single crystal growth and characterization. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
4448	Photoswitching Bulk Quadratic Nonlinear-Optical Properties with Record Contrast in a Photochromic Semiconductor. <i>Inorganic Chemistry</i> , 2021, 60, 9278-9281.	1.9	6
4449	Synthesis, growth and investigation of structural, optical, photoluminescence and thermal studies on the ZnSO ₄ -doped DAST crystal for NLO applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17936-17945.	1.1	12
4450	Second-order nonlinear optical and photoelectric properties of Zn ₄ B ₆ O ₁₂ S. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158879.	2.8	10

#	ARTICLE	IF	CITATIONS
4451	Synthesis, crystal structure and Hirshfeld surface analysis of 1-(4-chlorophenyl)-3-pyrenyl-2-propene-1-one. <i>Chemical Data Collections</i> , 2021, 33, 100725.	1.1	2
4452	The First Improper Ferroelectric of 2D Multilayered Hybrid Perovskite Enabling Strong Tunable Polarization-Induced Second Harmonic Generation Effect. <i>Advanced Functional Materials</i> , 2021, 31, 2103012.	7.8	34
4453	Centrosymmetric or Noncentrosymmetric? Transition Metals Talking in $K_2TGe_3S_8$ (T = Co, Fe). <i>Inorganic Chemistry</i> , 2021, 60, 10603-10613.	1.9	16
4454	Exploring Deep-UV Nonlinear Optical Materials with Enhanced Second Harmonic Generation Response and Birefringence in Fluoroaluminoborate Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30853-30860.	4.0	42
4455	$A_2(TeO)_2P_2O_7$ (A = K, Rb, Cs): Three new tellurite-pyrophosphates with large birefringence. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158785.	2.8	11
4456	$AZn_4Ga_5Se_{12}$ (A = K, Rb, or Cs): Infrared Nonlinear Optical Materials with Simultaneous Large Second Harmonic Generation Responses and High Laser-Induced Damage Thresholds. <i>Inorganic Chemistry</i> , 2021, 60, 10038-10046.	1.9	19
4457	Growth and characterization of L-tyrosine magnesium chloride single crystal: A promising NLO crystal. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	1
4458	The influence of Mn (II) "Doping on the non-linear optical properties and crystalline perfection of ADP crystals. <i>Materials Today: Proceedings</i> , 2021, 49, 2569-2569.	0.9	0
4459	High-Density Organic Electro-Optic Crystals for Ultra-Broadband THz Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2100618.	3.6	12
4460	Crystal structure or chemical composition of salt-sugar-based metal-organic frameworks: what are the nonlinear optical properties due to?. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 506-514.	0.5	2
4461	Effect of rare earth rubidium chloride on the optical, mechanical and antifungal behaviours of L-lysine monohydrochloride crystal for photonics and medical application. <i>Journal of King Saud University - Science</i> , 2021, 33, 101443.	1.6	4
4462	Structural, optical, mechanical, electrical, and antimicrobial activities of L-Glutamine Barium Acetate (LGBA) single crystal for biological, optical and photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21065-21082.	1.1	3
4463	$Mg_2In_3Si_2P_7$: A Quaternary Diamond-like Phosphide Infrared Nonlinear Optical Material Derived from $ZnGeP_2$. <i>Journal of the American Chemical Society</i> , 2021, 143, 10309-10316.	6.6	77
4464	Two Tellurium(IV)-Based Sulfates Exhibiting Strong Second Harmonic Generation and Moderate Birefringence as Promising Ultraviolet Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2021, 60, 11412-11418.	1.9	20
4465	Hierarchical molecular design of high-performance infrared nonlinear Ag_2HgI_4 material by defect engineering strategy. <i>Materials Today Physics</i> , 2021, 19, 100432.	2.9	91
4466	Stepwise Li Substitution Induced Structure Evolution and Improved Nonlinear Optical Performance for Diamond-like Sulfides. <i>Inorganic Chemistry</i> , 2021, 60, 12536-12544.	1.9	21
4467	Growth, Nonlinear Optical, Electrical, Mechanical and Dielectric Properties of Zinc Sulphate Doped L-Alanine Single Crystal for Optoelectronic Applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1166, 012035.	0.3	0
4468	$KCs_2 [Pb_2 Br_5 (HCOO)_2]$: A Polar 3D Lead-Bromide Framework Exhibiting Strong Second-Harmonic Generation Response. <i>Chemistry - A European Journal</i> , 2021, 27, 12976-12980.	1.7	7

#	ARTICLE	IF	CITATIONS
4469	Synthesis, growth and characterization of benzylideneaniline compounds: N-(4-bromobenzylidene)-4-fluoroaniline and N-(4-bromobenzylidene)-4-methoxyaniline. <i>Optical Materials</i> , 2021, 117, 111081.	1.7	1
4470	Growth and characterization of copper zinc hydrogen phosphate single crystals and study of its thermal, optical, dielectric, and NLO properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21756-21769.	1.1	2
4471	Chirality-Dependent Second-Order Nonlinear Optical Effect in 1D Organic-Inorganic Hybrid Perovskite Bulk Single Crystal. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20021-20026.	7.2	100
4472	Studies on the growth and characterization of L-Arginine potassium iodide crystals by slow evaporation solution growth method. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
4473	Polar polymorphism: $\text{Ca}_2[\text{B}_5\text{O}_8(\text{OH})_2[\text{B}(\text{OH})_3]\cdot\text{H}_2\text{O}]$ synthesis, structure and nonlinear optical property. <i>Journal of Solid State Chemistry</i> , 2021, 299, 122193.	1.4	7
4474	Chirality-Dependent Second-Order Nonlinear Optical Effect in 1D Organic-Inorganic Hybrid Perovskite Bulk Single Crystal. <i>Angewandte Chemie</i> , 2021, 133, 20174-20179.	1.6	8
4475	Ternary rare-earth sulfides RE_3GaS_6 (RE = Ho, Er): Crystal chemistry, second-order nonlinear optical properties and theoretical investigation. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159112.	2.8	8
4476	Structural, mechanical, thermal, electrical, second- and third-order nonlinear optical characteristics of MCBT NLO crystal for optoelectronics device and laser applications. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	6
4477	Growth, Structure, and Properties of a Multifunctional Crystal $\text{Pr}_2\text{CaB}_{10}\text{O}_{19}$. <i>Inorganic Chemistry</i> , 2021, 60, 10895-10898.	1.9	1
4478	Organic Enantiomeric Ferroelectrics with High Piezoelectric Performance: Imidazolium- and <i>d</i> -Camphorsulfonate. <i>Chemistry of Materials</i> , 2021, 33, 5769-5779.	3.2	24
4479	Influence of potassium bromide on the growth of succinic acid crystals. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
4480	$\text{A}_3\text{Te}(\text{Zn}_2\text{Ge})\text{Ge}_2\text{O}_{14}$ (A = Sr, Ba, and Pb): New Langasite Mid-infrared Nonlinear Optical Materials by Rational Chemical Substitution. <i>Chemistry of Materials</i> , 2021, 33, 6012-6017.	3.2	17
4481	Third order measurements, thermal and mechanical stress tolerance studies of a nonlinear borate family hybrid crystal towards optoelectronic applications. <i>Materials Today: Proceedings</i> , 2022, 49, 1504-1510.	0.9	3
4482	Solvothermal Syntheses of Three-Dimensional Open-Framework Thioantimonates Displaying Nonlinear Optical Responses. <i>Crystal Growth and Design</i> , 2021, 21, 4757-4764.	1.4	3
4483	Structural Transformation and Second-Harmonic-Generation Activity in Rare-Earth and <i>d</i> -Transition-Metal Oxyulfides $\text{RE}_3\text{NbS}_3\text{O}_4$ (RE = Ce, Tj) <i>ETQ</i> 10 0 0 rg 25/Overlock	1.9	0
4484	A Nonlinear Optical Switchable Sulfate of Ultrawide Bandgap. <i>CCS Chemistry</i> , 2021, 3, 2298-2306.	4.6	46
4485	Elucidation of the structure, spectroscopic techniques and quantum chemical investigations on nonlinear optical material 2-hydroxy-5-methylbenzaldehyde. <i>Journal of Molecular Structure</i> , 2021, 1238, 130426.	1.8	1
4486	Synthesis, structural-spectral characterization and theoretical studies of Pyridinium-4-carbohydrazide (2R,3R)-2,3-dihydroxybutanedioate. <i>Journal of Molecular Structure</i> , 2021, 1237, 130365.	1.8	1

#	ARTICLE	IF	CITATIONS
4487	SnPQ ₃ (Q = S, Se, S/Se): A Series of Lone-Pair Cationic Chalcogenophosphates Exhibiting Balanced NLO Activity Originating from SnQ ₈ Units. <i>Inorganic Chemistry</i> , 2021, 60, 14390-14398.	1.9	29
4488	Hg ₃ P ₂ S ₈ : A New Promising Infrared Nonlinear Optical Material with a Large Second-Harmonic Generation and a High Laser-Induced Damage Threshold. <i>Chemistry of Materials</i> , 2021, 33, 6514-6521.	3.2	74
4489	Bulk crystal growth, crystalline perfection and optical homogeneities of 2AP4N single crystals for second and third order frequency conversion and terahertz (THz) device applications. <i>Optical Materials</i> , 2021, 118, 111261.	1.7	11
4490	Inorganic Salts of N-phenylbiguanidium(1+) – Novel Family with Promising Representatives for Nonlinear Optics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8419.	1.8	0
4491	High-Temperature and Large-Polarization Ferroelectric with Second Harmonic Generation Response in a Novel Crown Ether Clathrate. <i>Chemistry - A European Journal</i> , 2021, 27, 13575-13581.	1.7	9
4492	Growth, characterization and SHG studies of Cu (II) doped manganese sulfate monohydrate crystals. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	0
4493	Ferroelectricity and Uniaxial Negative Thermal Expansion in a Purely Organic Multifunctional Material. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3633-3640.	2.0	4
4494	Li ₄ MgGe ₂ S ₇ : The First Alkali and Alkaline-Earth Diamond-Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie</i> , 2021, 133, 24333-24338.	1.6	14
4495	Non- π -Conjugated Deep-Ultraviolet Nonlinear Optical Crystal K ₂ Zn ₃ (SO ₄)(HSO ₄) ₂ F ₄ . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8280-8284.	2.1	18
4496	Structural Origin of Very Large Second-Harmonic Generation of a Layered Perovskite, Na _{0.5} Bi _{2.5} Nb ₂ O ₉ . <i>Chemistry of Materials</i> , 2021, 33, 6564-6571.	3.2	17
4497	Materials synthesis, crystal growth and third nonlinear optical properties of semiorganic crystal: 4-dimethylaminopyridine lithium nitrate (DMAPLN) crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22187-22195.	1.1	2
4498	Structure-Properties Relations in Two Iodate Families Studied by Topology-Symmetry Analysis of OD Theory. <i>Symmetry</i> , 2021, 13, 1477.	1.1	5
4499	Synthesis, crystal structure, linear and nonlinear optical properties of quaternary sulfides Ba ₆ (Cu ₂ X)Ge ₄ S ₁₆ (X=Mg, Mn, Cd). <i>Journal of Solid State Chemistry</i> , 2021, 300, 122226.	1.4	13
4500	New benzothiazolium crystals with very large off-diagonal optical nonlinearity. <i>Dyes and Pigments</i> , 2021, 192, 109433.	2.0	7
4501	Long-Term Stable Strong Second Harmonic Generation in Flexible DAST/PVDF Composite Films Realized by the Interface Interactions. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100485.	1.9	5
4502	Li ₄ MgGe ₂ S ₇ : The First Alkali and Alkaline-Earth Diamond-Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24131-24136.	7.2	130
4503	Synthesis, Crystal Structure, and Nonlinear Optical Property of an Anhydrous Sulfate KTb(SO ₄) ₂ . <i>Inorganic Chemistry</i> , 2021, 60, 15041-15047.	1.9	10
4504	An Effective Strategy for Designing Nonlinear Optical Crystals by Combining the Structure-Directing Property of Oxyfluorides with Chemical Substitution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25302-25306.	7.2	44

#	ARTICLE	IF	CITATIONS
4505	The Rise of Infrared Nonlinear Optical Pnictides: Advances and Outlooks. Chemistry - an Asian Journal, 2021, 16, 3299-3310.	1.7	20
4506	Contemporary studies on growth and characterization of Magnesium doped β -glycine "A potential optoelectronic NLO material. Journal of Molecular Structure, 2021, 1240, 130593.	1.8	10
4507	Growth, experimental and theoretical analysis of physical properties of an organic NLO 2Methylimidazole l-Tartrate (2MILT) crystal. Journal of Physics and Chemistry of Solids, 2021, 156, 109908.	1.9	5
4508	SHG in a centrosymmetric crystal "can it be possible?. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 586-590.	0.2	2
4509	Spectroscopic evaluation of Alanine Adipate nonlinear optical materials growth dynamics: Mechanical and thermal optimization. Journal of Molecular Structure, 2021, 1240, 130577.	1.8	3
4510	Finding a Series of BaBOF ₃ Fluorooxoborate Polymorphs with Tunable Symmetries: A Simple but Flexible Case. Chemistry of Materials, 2021, 33, 7905-7913.	3.2	22
4511	K ₂ Na ₃ [{B ₆ O ₁₀ (OH)}{B ₃ O ₄ (OH) ₃ }]·xH ₂ O: A Layered Borate Built by Mixed Oxoboron Clusters with Nonlinear Optical Property. Chemistry - an Asian Journal, 2021, 16, 3244-3248.	1.7	14
4512	Growth dynamics and molecular structural analysis of Dimethylketo thiosemicarbazone single crystals for frequency conversion applications - Optical and thermal characterization. Journal of Molecular Structure, 2021, 1239, 130463.	1.8	2
4513	A Piezoelectric Ionic Cocrystal of Glycine and Sulfamic Acid. Crystal Growth and Design, 2021, 21, 5818-5827.	1.4	17
4514	An Effective Strategy for Designing Nonlinear Optical Crystals by Combining the Structure-Directing Property of Oxyfluorides with Chemical Substitution. Angewandte Chemie, 2021, 133, 25506-25510.	1.6	7
4515	A Photochromic Zinc-Viologen Framework with a High-Contrast Nonlinear Optical Switchable Behavior. Crystal Growth and Design, 2021, 21, 5752-5759.	1.4	9
4516	2D van der Waals Layered [C(NH ₂) ₃ SO ₃ S] Exhibits Desirable UV Nonlinear-Optical Trade-Off. Inorganic Chemistry, 2021, 60, 14544-14549.	1.9	18
4517	Ba ₄ GeSb ₂ Se ₁₁ : An Infrared Nonlinear Optical Crystal with a V-Shaped Se ₃ ²⁻ Group Possessing a Large Contribution to the SHG Response. Inorganic Chemistry, 2021, 60, 15593-15598.	1.9	5
4518	An Investigation on Opto-thermo-mechanical Behaviour of a Borate Family NLO Crystal for Photonic Applications. Brazilian Journal of Physics, 2021, 51, 1625-1635.	0.7	5
4519	Growth and characterization of nonlinear optical crystal: Ammonium Iodate doped L-Alanine. Physica Scripta, 2021, 96, 125810.	1.2	0
4520	Comprehensive studies on amino acid based organometallic L-threonine cobalt (II) sulfate (LTCS) single crystal and its antibacterial and antifungal properties. Journal of King Saud University - Science, 2021, 33, 101498.	1.6	2
4521	Synthesis, spectral characterization and biological evaluations with DFT analysis on molecular geometry and NLO of 1,4,7,10-tetraazacyclotetradecane-11,14-dione. Journal of the Indian Chemical Society, 2021, 98, 100132.	1.3	7
4522	Two deep-ultraviolet nonlinear optical barium borates framework: Alkali metal enhances the second-harmonic generation response. Journal of Solid State Chemistry, 2021, 301, 122303.	1.4	8

#	ARTICLE	IF	CITATIONS
4523	Investigation on nucleation, growth and physical properties of low soluble 4-N, N-dimethylamino-4-N ⁺ -methylstilbazolium 4-aminotoluene-3-sulfonate crystal " A potential NLO material. <i>Journal of Molecular Structure</i> , 2021, 1241, 130669.	1.8	4
4524	Spectral, NLO, thermal, hardness and SEM studies of phosphate doped bis-urea oxalic acid crystals for laser applications. <i>Chinese Journal of Physics</i> , 2021, 73, 1-12.	2.0	8
4525	Exploration of structural, thermal and vibrational properties of new noncentrosymmetric double borate Rb ₃ Tm ₂ B ₃ O ₉ . <i>Solid State Sciences</i> , 2021, 120, 106719.	1.5	7
4526	BaCdGeSe ₄ : Synthesis, structure and nonlinear optical properties. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122352.	1.4	3
4527	Growth, structural, optical, DFT, thermal and dielectric studies of N-Benzyl-3-nitroaniline (B3NA): a promising nonlinear optical crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26318.	1.1	3
4528	A 3D supramolecular framework assembled via " interactions and CH...Cl hydrogen-bonds with second-harmonic generation response. <i>Journal of Molecular Structure</i> , 2021, 1244, 130958.	1.8	0
4529	Ferrocene/non-ferrocene conjugated linear eight-membered borasiloxanes: Structural, theoretical, optical and non-linear optical studies. <i>Journal of Organometallic Chemistry</i> , 2021, 953, 122062.	0.8	1
4530	Synthesis, growth, structural, optical, thermal and NLO studies of new organic single crystal: 3-Hydroxy pyridinium 2-hydroxy benzoate. <i>Journal of Molecular Structure</i> , 2021, 1244, 130850.	1.8	12
4531	Nd ₂ CaB ₁₀ O ₁₉ : A potential self-activated and self-frequency-doubling multifunctional crystal. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122558.	1.4	4
4532	Synthesis, structure, linear and nonlinear optical properties of noncentrosymmetric quaternary diamond-like semiconductors, Cu ₂ ZnGeSe ₄ (CZGSe) and the novel Cu ₄ ZnGe ₂ Se ₇ . <i>Journal of Alloys and Compounds</i> , 2021, 888, 161499.	2.8	13
4533	A non-centrosymmetric cocrystal assembled by O H N and C H " supramolecular synthons. <i>Journal of Molecular Structure</i> , 2021, 1245, 131105.	1.8	3
4534	Third-order NLO studies of 2, 4-Bis (4-fluorophenyl)-2, 3-dihydro-1H-1, 5-benzodiazepine using Z-scan technique and DFT method. <i>Journal of Molecular Structure</i> , 2021, 1246, 131169.	1.8	9
4535	Investigations on aqueous solution grown L-Arginine Phosphate monohydrate (LAP) single crystals for efficient THz generation. <i>Journal of Crystal Growth</i> , 2021, 575, 126337.	0.7	3
4536	Transition-metal-based chalcogenides: A rich source of infrared nonlinear optical materials. <i>Coordination Chemistry Reviews</i> , 2021, 448, 214154.	9.5	100
4537	Synthesis, spectroscopic analysis and DFT studies of N-(2-methyl-5-nitro-phenyl)benzamide organic single crystal. <i>Journal of Molecular Structure</i> , 2021, 1246, 131172.	1.8	10
4538	Synthesis, structure, and nonlinear optical property of Bi _{0.33} Sb _{0.67} SI. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122505.	1.4	1
4539	Structural, optical and thermal studies of novel nonlinear optical materials " L-Valine doped Guanidine carbonate single crystals. <i>Materials Today: Proceedings</i> , 2021, 42, 1353-1355.	0.9	3
4540	Analysis, thermal and optical properties of piperdine derivative for NLO applications. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0

#	ARTICLE	IF	CITATIONS
4541	Synthesis, Growth and Characterization of Nonlinear Optical Single Crystal of Serine Succinate. Journal of Minerals and Materials Characterization and Engineering, 2021, 09, 75-89.	0.1	1
4542	Synthesis and Nonlinear Electro-Optical Properties of Zn ₄ B ₆ O ₁₃ . Journal of Contemporary Physics, 2021, 56, 25-29.	0.1	1
4543	Syntheses, structure and properties of a new series of organic-inorganic Hg-based halides: adjusting halogens resulted in huge performance mutations. Dalton Transactions, 2021, 50, 7563-7570.	1.6	9
4544	From Ce(IO ₃) ₄ to CeF ₂ (IO ₃) ₂ : fluorinated homovalent substitution simultaneously enhances SHG response and bandgap for mid-infrared nonlinear optics. Journal of Materials Chemistry C, 0, , .	2.7	11
4545	Novel noncentrosymmetric polar coordination compounds derived from chiral histidine ligands. Inorganic Chemistry Frontiers, 2021, 8, 4536-4543.	3.0	15
4546	Ultraviolet nonlinear optical crystals A ₃ SrBi(P ₂ O ₇) ₂ (A = K, Rb) with large second harmonic generation responses. Inorganic Chemistry Frontiers, 2021, 8, 2061-2067.	3.0	9
4547	Enhancement of nonlinearity by a parasubstituted compounds - it's spectroscopic analysis. Materials Today: Proceedings, 2021, 47, 1123-1127.	0.9	0
4548	Applying band gap engineering to tune the linear optical and nonlinear optical properties of noncentrosymmetric chalcogenides La ₄ Ge ₃ Se _x S _{12-x} (x = 0, 2, 4, 6, 8). Tj ETQq1 1 0.784314 rGB	3.0	9
4549	M ₂ As ₂ Q ₅ (M = Ba, Pb; Q = S, Se): a source of infrared nonlinear optical materials with excellent overall performance activated by multiple discrete arsenate anions. Journal of Materials Chemistry C, 2021, 9, 1156-1163.	2.7	44
4550	Nonlinear optical properties of diaromatic stilbene, butadiene and thiophene derivatives. New Journal of Chemistry, 2021, 45, 6640-6650.	1.4	8
4551	Potassium L-ascorbate monohydrate: a new metal-organic nonlinear optical crystal. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	3
4552	New Lead Silicates: Structures and Topology and Symmetry Analysis. Crystallography Reports, 2021, 66, 95-104.	0.1	1
4553	New nonlinear optical-active AAgGa ₆ S ₁₀ (A = K, Rb, Cs) featuring {[AgGa ₆ S ₁₀] ⁺ } ^z framework and high laser damage threshold. Chemical Communications, 2021, 57, 5175-5178.	2.2	26
4554	La ₆ Cd _{0.75} Ga ₂ Q _{11.5} Cl _{2.5} (Q = S and Se): two new nonlinear optical chalcogenides with a large laser-induced damage threshold. CrystEngComm, 2021, 23, 2133-2137.	1.3	7
4555	A melamine-based organic-inorganic hybrid material revealing excellent optical performance and moderate thermal stability. Journal of Materials Chemistry C, 2021, 9, 7452-7457.	2.7	21
4556	Systematic centricity control using a chiral template: novel noncentrosymmetric polar niobium oxyfluorides and tantalum fluorides directed by chiral histidinium cations, [(^d hisH ₂)NbOF ₅], [(^d hisH ₂)NbOF ₅], [(^d hisH ₂)TaF ₇], and [(^d hisH ₂)TaF ₇]. Inorganic Chemistry Frontiers, 2021, 8, 3843-3850.	3.0	4
4557	Long-lived electrets and lack of ferroelectricity in methylammonium lead bromide CH ₃ NH ₃ PbBr ₃ ferroelastic single crystals. Physical Chemistry Chemical Physics, 2021, 23, 3233-3245.	1.3	7
4559	Rb ₃ In(SO ₄) ₃ : a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. Journal of Materials Chemistry C, 2021, 9, 5124-5131.	2.7	16

#	ARTICLE	IF	CITATIONS
4560	Breaking through the ≈ 3.0 eV wall of energy band gap in mid-infrared nonlinear optical rare earth chalcogenides by charge-transfer engineering. <i>Materials Horizons</i> , 2021, 8, 2330-2334.	6.4	96
4561	A_{25} : A Structural Incommensurate Modulation Exhibiting Strong Second-Harmonic Generation and a High Laser-Induced Damage Threshold (A=Ba, Sr). <i>Angewandte Chemie</i> , 2020, 132, 11959-11963.	1.6	17
4562	$Li_2MnSnSe_4$: A New Quaternary Diamond-Like Semiconductor with Nonlinear Optical Response and Antiferromagnetic Property. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3172-3177.	1.7	12
4563	Centrosymmetric Versus Noncentrosymmetric: Structural and Optical Studies on Inorganic-Organic Hybrid Compounds of Bismuth Thiourea Iodide Resulting from Acid Effect. <i>ChemistrySelect</i> , 2017, 2, 5882-5886.	0.7	7
4564	Syntheses and Properties of Some Bi-Containing Compounds with Noncentrosymmetric Structure. <i>Springer Series in Materials Science</i> , 2013, , 321-341.	0.4	1
4565	Organometallics for Nonlinear Optics. , 1999, , 107-167.		3
4566	Potential Applications of Langmuir-Blodgett Films. , 1990, , 317-411.		15
4567	Maker Fringe and Phase Matched SHG Studies of Crystalline Dicyano Substituted Benzene Compounds. <i>Springer Proceedings in Physics</i> , 1989, , 214-217.	0.1	4
4569	Frontier Materials for Organic Nonlinear Optics. <i>Springer Proceedings in Physics</i> , 1989, , 292-300.	0.1	13
4570	Nonlinear Optical Properties of Crystals. <i>Springer Series in Optical Sciences</i> , 1991, , 53-127.	0.5	9
4571	Organic Crystals and Quadratic Nonlinear Optics: The Transparency-Efficiency Trade-off. , 1990, , 545-557.		10
4572	Cubic Susceptibility of Organic Molecules in Solution. , 1989, , 225-245.		3
4573	Molecular crystals. , 1993, , 143-188.		1
4574	Rigid-Rod Transition Metal Acetylide Complexes, Oligomers, and Polymers for Nonlinear Optics. , 1992, , 331-344.		19
4575	Organic Materials for Second-Order Nonlinear Optics. , 1999, , 261-278.		11
4576	Pressure Effects on Non-Linear Optical Phenomena. , 1999, , 25-46.		3
4577	PHASE TRANSITIONS BETWEEN OPTICALLY DISTINGUISHABLE STATES AND SOME POTENTIAL APPLICATIONS. , 1973, , 29-59.		1
4578	The Chemistry of Laser Crystals. <i>Applied Solid State Science</i> , 1971, 2, 173-299.	0.8	6

#	ARTICLE	IF	CITATIONS
4579	Optical, thermal and mechanical properties of a novel bio-organic chlorophyll-b of <i>Ficus religiosa</i> added nickel sulphate hexahydrate crystal for NLO applications. <i>Chemical Physics Letters</i> , 2020, 754, 137607.	1.2	1
4580	Investigation on the growth rate, crystalline perfection, refractive index, Z-scan and electrical characteristics of Z-cut imidazolium l-tartrate single crystal. <i>Optical Materials</i> , 2020, 108, 110380.	1.7	19
4581	A ₆ Sb ₄ F ₁₂ (SO ₄) ₃ (A = Rb, Cs): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 8345-8352.	1.9	35
4582	A promising nonlinear optical material in the Mid-IR region: new results on synthesis, crystal structure and properties of noncentrosymmetric Γ^2 -HgBrCl. <i>Dalton Transactions</i> , 2013, 42, 9893.	1.6	29
4583	Syntheses and characterization of three new sulfides with large band gaps: acentric Ba ₄ Ga ₄ SnS ₁₂ , centric Ba ₁₂ Sn ₄ S ₂₃ and Ba ₇ Sn ₃ S ₁₃ . <i>Dalton Transactions</i> , 2017, 46, 14771-14778.	1.6	23
4584	Synthesis and characterization of a nanocluster-based silver(i) tert-butylethynide compound with a large second-harmonic generation response. <i>Nanoscale</i> , 2020, 12, 11847-11857.	2.8	5
4585	Potassium L-2-nitrimino-1,3-diazepane-4-carboxylate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1369-m1369.	0.2	1
4586	Effect of 2,4-dinitrophenol dye doping on trithiourea zinc(II) sulfate single crystals: a potential nonlinear optical material. <i>Journal of Applied Crystallography</i> , 2020, 53, 972-981.	1.9	9
4587	A new Tl _{4.86} Fe _{0.82} Hf _{1.18} (MoO ₄) ₆ ternary molybdate: crystal structure and properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 839-849.	0.5	2
4589	FT-IR, Thermal and NLO Studies on Amino Acid (L-Arginine and L-Alanine) Doped KDP Crystals. <i>Acta Physica Polonica A</i> , 2009, 116, 1033-1038.	0.2	45
4590	Growth and Characterization of Non-Linear Optical Single Crystal: L-cysteine Hydrochloride Monohydrate. <i>Acta Physica Polonica A</i> , 2015, 128, 423-431.	0.2	16
4591	Optical Studies on L-Tartaric acid and L-Proline Tartrate. <i>Photonics and Optoelectronics</i> , 2014, 3, 9.	0.7	15
4592	L-arginine acetate single crystals for NLO applications. <i>Indian Journal of Science and Technology</i> , 2008, 1, 1-2.	0.5	3
4593	Third order non-linear optical properties of potassium aluminium sulphate single crystals by Z-Scan technique. <i>Indian Journal of Science and Technology</i> , 2010, 3, 656-656.	0.5	17
4594	Synthesis, growth, optical and thermal properties of a new organic crystal semicarbazone of p-anisaldehyde (SPAS). <i>Indian Journal of Science and Technology</i> , 2010, 3, 885-889.	0.5	8
4595	Growth, Microhardness, Electrical and Dielectric studies on L-Alanine Hydrogen Chloride NLO Single Crystal. <i>International Journal of Materials Science and Engineering</i> , 2015, , 159-166.	0.1	3
4596	Synthesis, Crystal Structure and Vibrational Spectral Analysis of Guanidinium Hydrogen L-aspartate Single Crystal. <i>Journal of Physical Science</i> , 2017, 28, 27-47.	0.5	7
4597	Growth, HRXRD, Microhardness and Dielectric Studies on the NLO Material L-Alanine Maleate. <i>The Open Crystallography Journal</i> , 2008, 1, 42-45.	0.4	31

#	ARTICLE	IF	CITATIONS
4598	Growth and Characterization of a New Organic Non-Linear Optical (NLO) Material: L-Histidinium Trifluoroacetate. <i>The Open Crystallography Journal</i> , 2008, 1, 46-50.	0.4	10
4599	Crystallization, habit modification and control of nucleation of glycine polymorphs from aqueous solutions doped with magnesium sulfate impurity. <i>Materials Science-Poland</i> , 2018, 36, 483-493.	0.4	2
4600	Study on some linear and nonlinear optical parameters of glycine hydrofluoride single crystals. <i>Materials Science-Poland</i> , 2018, 36, 685-696.	0.4	4
4601	Selective crystallization of gamma glycine for NLO applications using magnesium sulfate (MgSO ₄) as an additive. <i>Materials Science-Poland</i> , 2019, 37, 265-279.	0.4	7
4602	Synthesis, growth and characterization of semiorganic nonlinear optical single crystal bis(thiourea) barium nitrate (BTBN) for frequency conversion. <i>Materials Science-Poland</i> , 2019, 37, 381-388.	0.4	3
4603	Growth, characterization and optical properties of potassium iodide (KI) doped potassium hydrogen phthalate (KHP) single crystals for optoelectronic applications. <i>Materials Science-Poland</i> , 2019, 37, 510-516.	0.4	6
4605	Crystal Growth of Novel Bimetallic Nickel, Magnesium (Ni ³⁺ , Mg ²⁺) Potassium Di Hydrogen Phosphate by Solution Growth and their Characterizations. <i>Journal of Applied Sciences</i> , 2006, 6, 635-638.	0.1	8
4606	Growth and Characterization of Novel (Ni ³⁺ , Mg ²⁺) Bimetallic Crystals of Ammonium Di Hydrogen Phosphate. <i>Journal of Applied Sciences</i> , 2005, 6, 85-89.	0.1	10
4607	Synthesis, Crystal Growth and Characterization of Organic NLO Material: M-Nitroacetanilide. <i>Advances in Materials Physics and Chemistry</i> , 2011, 01, 39-43.	0.3	6
4608	Effect of NaCl Doping on Growth, Characterization, Optical and Dielectric Properties of Potassium Hydrogen Phthalate (KHP) Crystals. <i>Advances in Materials Physics and Chemistry</i> , 2015, 05, 399-407.	0.3	12
4609	Pseudosymmetric Features and Nonlinear Optical Properties of Potassium Titanyl Phosphate Crystals. <i>Crystal Structure Theory and Applications</i> , 2013, 02, 106-119.	0.3	9
4610	Growth and Characterization of Bisthiourea Nickel Bromide—New Semiorganic Nonlinear Optical Crystal. <i>Journal of Crystallization Process and Technology</i> , 2013, 03, 56-59.	0.6	3
4611	Second Harmonic Generation in Some Donor-Acceptor Substituted Chalcone Derivatives. <i>Journal of Crystallization Process and Technology</i> , 2013, 03, 108-117.	0.6	20
4612	Bulk Growth and Characterization of D-(α)-Alanine Single Crystals. <i>Journal of Crystallization Process and Technology</i> , 2013, 03, 130-135.	0.6	3
4613	Effect of Substituent Position on the Properties of Chalcone Isomer Single Crystals. <i>Journal of Crystallization Process and Technology</i> , 2013, 03, 148-155.	0.6	8
4614	Single Crystal Growth of Lanthanum(III) Molybdate(VI) (La ₄ Mo ₇ O ₂₇) Using H ₃ BO ₃ Flux. <i>Journal of Crystallization Process and Technology</i> , 2014, 04, 39-45.	0.6	1
4615	Growth and Characterization of Î ² -Alanine Oxalate—A New Organic Single Crystal. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2012, 11, 1069-1074.	0.1	2
4616	Growth, Structural, Spectral and Optical Studies on Pure and L-Alanine Mixed Bisthiourea Cadmium Bromide (LABTCB) Crystals. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2012, 11, 631-639.	0.1	4

#	ARTICLE	IF	CITATIONS
4617	Comparative Spectroscopic Studies on Pure, 10 and 50 mol% Glycine Mixed L-Valinium Picrate Crystals. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2014, 02, 8-14.	0.1	1
4618	Synthesis, Growth and Characterization of Organic Nonlinear Optical Single Crystals of 4-Bromo-4- TM -Methyl Benzylidene Aniline. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2014, 02, 308-318.	0.1	8
4619	Studies on the Growth and Characterization of L-Arginine Maleate Dihydrate Crystal Grown from Liquid Diffusion Technique. <i>Journal of Minerals and Materials Characterization and Engineering</i> , 2016, 04, 143-153.	0.1	5
4620	Effect of Lithium Doping on the Properties L-Citrulline Oxalate Monohydrate Nonlinear Optical Crystals. <i>Open Journal of Metal</i> , 2012, 02, 82-86.	0.7	4
4621	Growth and Characterization of Ethylene Diamine Tetra Acetate (EDTA) Doped Lithium Sulphate Monohydrate Crystals. <i>Optics and Photonics Journal</i> , 2012, 02, 216-221.	0.3	12
4622	Solid State Synthesis, Characterization, and Nonlinear Optical Properties of a Monoclinic Tricalcium Silicate, Ca ₃ SiO ₅ . <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2423-2426.	1.0	5
4623	Synthesis, Optical and Electrical Studies of Nonlinear Optical Crystal: L-Arginine Semi-oxalate. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 128-132.	1.0	20
4624	Recrystallization of Enantiomers from Conglomerates. , 0, , .		2
4625	Study on Growth Habit, SHG and Thermal Properties of Urea Phosphate Doped KDP Crystals. <i>Science and Technology</i> , 2012, 2, 109-113.	0.3	18
4626	Crystal Growth and Characterization of an Organic Nonlinear Optical Material: L-Histidinium Maleate (LHM). <i>International Journal of Applied Physics and Mathematics</i> , 2013, , 422-425.	0.3	2
4627	Investigation of the Optical and Dielectric Properties of the Urea L-malic Acid NLO Single Crystal. <i>American Chemical Science Journal</i> , 2013, 3, 325-337.	0.2	20
4628	EDTA effect on Copper Sulphate Penta Hydrate-A NLO Material. <i>International Research Journal of Pure and Applied Chemistry</i> , 2013, 3, 391-403.	0.2	5
4629	Enhancement of Optical, Thermal and Mechanical Properties of Kap Crystals by Magnesium Doping. <i>IOSR Journal of Applied Physics</i> , 2013, 3, 62-68.	0.1	4
4630	Investigation on the Linear and Nonlinear Optical Properties of L-Lysine Doped Ammonium Dihydrogen Phosphate Crystal for NLO Applications. <i>IOSR Journal of Applied Physics</i> , 2014, 6, 42-46.	0.1	15
4631	Balanced infrared nonlinear optical performance achieved by modulating the covalency and ionicity distributions in the electron localization function map. <i>Materials Horizons</i> , 2021, 8, 3394-3398.	6.4	22
4632	Aggregation-induced emission (AIE)-active <i>N</i> -arylated ferrocenyl pyrazole chromophores: second-order nonlinear optical and turn on/off fluorescence for the detection of picric acid in mixed aqueous media. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8290-8307.	3.2	10
4633	Achieving Short-Wavelength Phase-Matching Second Harmonic Generation in Boron-Rich Borosulfate with Planar [BO ₃] Units. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	50
4634	Second harmonic generation, optical, thermal, piezoelectric and mechanical properties of adipic acid-doped ADP crystals. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2021, 30, .	1.1	2

#	ARTICLE	IF	CITATIONS
4635	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1)â€”A Third Order Nonlinear Optical Single Crystal. Crystals, 2021, 11, 1239.	1.0	11
4636	A comparative molecular structure â€” NLO activity study of ortho-bridged dibenzaldehydes: Synthesis, crystal structure, SHG, and DFT studies. Journal of Molecular Structure, 2022, 1250, 131776.	1.8	7
4637	Strong SHG Responses in a Berylliumâ€”Free Deepâ€”UVâ€”Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie - International Edition, 2021, 60, 27151-27157.	7.2	50
4638	An Exceptional Thermally Induced Fourâ€”State Nonlinear Optical Switch Arising from Stepwise Molecular Dynamic Changes in a New Hybrid Salt. Angewandte Chemie, 2022, 134, .	1.6	10
4639	Hybrid Metalâ€”Halide Infrared Nonlinear Optical Crystals of (TMEDA)MI₅ (M = Sb, Bi) with High Stability. Advanced Optical Materials, 2021, 9, 2101333.	3.6	20
4640	Effect of Ar⁺ ion implantation to enhance non-linear optical property on the l-proline-doped potassium hydrogen phthalate single crystals. Journal of Materials Science: Materials in Electronics, 2021, 32, 27777-27793.	1.1	1
4641	LiB₉O₁₅ÂˆH₂dapÂˆH₂O: A Cotemplated Acentric Layer-Pillared Borate Built by Mixed Oxoboron Clusters. Inorganic Chemistry, 2021, 60, 16085-16089.	1.9	9
4642	Thermal anomalies and phase transitions in Pb2Sc2Si2O9 and Pb2In2Si2O9. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, .	0.4	0
4643	Strong SHG Responses in a Berylliumâ€”Free Deepâ€”UVâ€”Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie, 2021, 133, 27357.	1.6	9
4644	Broad Photoluminescence and Second-Harmonic Generation in the Noncentrosymmetric Organicâ€”Inorganic Hybrid Halide (C₆H₅(CH₂)₄NH₃)₄MX₇A-H₂O (M = Bi, In, X = Br or I). Chemistry of Materials, 2021, 33, 8106-8111.	3.2	36
4645	1D Chiral Lead Halide Perovskites with Superior Secondâ€”Order Optical Nonlinearity. Advanced Optical Materials, 2022, 10, .	3.6	53
4646	Two SbX5-based isostructural polar 1D hybrid antimony halides with tunable broadband emission, nonlinear optics, and semiconductor properties. Science China Chemistry, 2021, 64, 2111-2117.	4.2	10
4647	GaSeCl₅O: A Molecular Compound with Very Strong SHG Effect. Inorganic Chemistry, 2021, 60, 15653-15658.	1.9	11
4648	Achieving Shortâ€”Wavelength Phaseâ€”Matching Second Harmonic Generation in Boronâ€”Rich Borosulfate with Planar [BO₃] Units. Angewandte Chemie, 2022, 134, e202112844.	1.6	3
4649	Tunable Linear and Nonlinear Optical Properties from Room Temperature Phosphorescent Cyclic Triimidazoleâ€”Pyrene Bioâ€”Probe. Chemistry - A European Journal, 2021, 27, 16690-16700.	1.7	13
4650	An Exceptional Thermally Induced Fourâ€”State Nonlinear Optical Switch Arising from Stepwise Molecular Dynamic Changes in a New Hybrid Salt. Angewandte Chemie - International Edition, 2022, 61, .	7.2	44
4651	A Lead Mixed Halide with Three Different Coordinated Anions and Strong Secondâ€”Harmonic Generation Response. Chemistry - A European Journal, 2021, , .	1.7	6
4652	A nonâ€”centrosymmetric compound K7Li2Y2B15O30 by introducing more alkali metals into A7MRe2B15O30 family. Journal of Solid State Chemistry, 2021, 304, 122630.	1.4	5

#	ARTICLE	IF	CITATIONS
4653	Optical Parametric Processes in Crystals. , 2001, , 6464-6470.		0
4654	Nanocluster molecular crystals of lacunary polyoxometalates as structure-design-flexible, new inorganic nonlinear materials. , 2002, , .		0
4655	Second Harmonic Generation by BaTiO ₃ microparticles in porous materials. , 2007, , .		0
4656	Synthesis, Characterization and Quantum Chemical Studies on a Novel Cobalt(II) 1,2,3,4-Tetra-(4-pyridyl)-thiophene Coordination Polymer. Bulletin of the Korean Chemical Society, 2010, 31, 242-245.	1.0	0
4658	Study of Urea L-Threonine A Mixed Novel Non Linear Optical Single Crystal for Laser Applications. Indian Journal of Applied Research, 2011, 3, 1-3.	0.0	0
4659	The Effect of Cobalt Mixing on Pure Copper Mercury Thiocyanate Nonlinear Optical Crystal. Journal of Minerals and Materials Characterization and Engineering, 2012, 11, 691-694.	0.1	2
4660	Study of XRD, FT-IR and Nonlinear Optical Properties of Doped and Undoped Barium Iodate Crystals Grown in Silica Gel. International Journal of Applied Physics and Mathematics, 2012, , 201-203.	0.3	0
4661	L-Histidinium Maleate Crystals for Nonlinear Frequency Conversion. International Journal of Applied Physics and Mathematics, 2012, , 050-057.	0.3	1
4663	The Influence Of Zn ²⁺ on Growth and Characterization of L-Cysteine Hydrochloride Monohydrate NLO Single Crystals. International Journal of Scientific Research (Ahmedabad, India), 2012, 3, 521-52.	5.0	0
4664	Studies on the Effect of Zinc Chloride Mixing on Bisthiourea Cadmium Chloride Crystals. Journal of Minerals and Materials Characterization and Engineering, 2013, 01, 315-320.	0.1	1
4666	Excitation of Gases Using Wavelength-Tunable Lasers. , 1971, , 221-270.		5
4667	System Niobâ€”Kaliumâ€”Sauerstoff. , 1972, , 133-185.		0
4668	System Niobâ€”Lithiumâ€”Sauerstoff. , 1972, , 1-88.		0
4669	Study on Phase-Matching Characteristics of Optical Second Harmonic Generation in Nonlinear Thin-Film Waveguides Using a Tunable Parametric Oscillator. Springer Series in Optical Sciences, 1976, , 353-360.	0.5	1
4670	Nonlinear Optical Properties and Fluorescence Quenching in NdGd-Borate Laser Crystals. , 1981, , 339-342.		1
4672	Organic materials for optical applications.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 1984, 42, 1041-1049.	0.0	0
4673	Second Harmonic Generation in Inclusion Complexes. , 1984, , 885-890.		0
4674	Optical Properties of Crystals. Springer Series in Solid-state Sciences, 1988, , 405-512.	0.3	3

#	ARTICLE	IF	CITATIONS
4675	Electrooptical Effects, Crystals and Devices. Crystals, 1988, , 113-192.	0.3	0
4676	Complex Hyperpolarizability and Solvatochromic Effects in Merocyanine Solutions. Springer Proceedings in Physics, 1989, , 108-119.	0.1	3
4678	Nonlinear Optics in Solid Schiff Bases. , 1990, , 451-456.		0
4679	New Molecular Design for Noncentrosymmetric Crystal Structures: Lambda Shape Molecules for Frequency Doubling. , 1991, , 151-159.		3
4680	Polar and Non-Polar Organic Molecules, Crystals and Langmuir-Blodgett Films for Quadratic Nonlinear Optics. , 1991, , 81-103.		0
4681	GROWTH AND CHARACTERISTICS OF HOMOGENEOUS KTN CRYSTALS. , 1991, , 399-402.		0
4682	Preparation of Novel Nonlinear Organic Materials. , 1992, , 249-254.		0
4683	Organic Crystals for Frequency Converters. 2-Adamantylamino-5-Nitropyridine(AANP).. The Review of Laser Engineering, 1992, 20, 223-229.	0.0	0
4684	Second Harmonic Generation of Chemical Oxygen Iodine Laser.. The Review of Laser Engineering, 1993, 21, 965-973.	0.0	0
4685	Non-crystalline Condensation of Densely Dissolved Optically Nonlinear Organic Compound in Polymer Matrices. , 1994, , 397-400.		0
4686	Electrooptics and Nonlinear Optics. , 1994, , 87-126.		0
4687	Optical, Thermal and Nonlinear Properties of Tristhiourea Lanthanum Nitrate. Journal of Minerals and Materials Characterization and Engineering, 2015, 03, 118-124.	0.1	0
4688	Fabrication and Research of a Novel NLO Material: Tristhiourea Lanthanum Bromide. Natural Science, 2015, 07, 248-254.	0.2	0
4689	Growth and Characterization of Pure and Metal Halides Doped Acetoacetanilide Single Crystals. International Journal of Macro and Nano Physics, 2016, 1, 19-32.	0.1	0
4690	GROWTH AND CHARACTERIZATION OF A SEMIORGANIC NLO MATERIAL: L-HISTIDINE BARIUM CHLORIDE DIHYDRATE. Green Chemistry & Technology Letters, 2016, 2, 26-30.	0.3	0
4691	Investigation on Nucleation Kinetics, Growth and Nonlinear Optical Properties of L-Cystine Hydrochloride Crystal. Acta Physica Polonica A, 2018, 133, 63-67.	0.2	1
4692	Studies on the Thermal, Mechanical, Dielectric and Photoconductivity Properties of Ammonium Hydrogen Oxalate Hemihydrate Single Crystal for NLO Applications. International Journal of ChemTech Research, 2018, 11, 283-288.	0.1	0
4693	SHG in \hat{I}^3 -Ga ₂ S ₃ powder. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
4694	Growth and Studies of Potassium Dihydrogen Phosphate Crystals Doped With Picric Acid. Asian Journal of Engineering and Applied Technology, 2018, 7, 53-58.	0.3	1
4695	Growth and physicochemical characterization of calcium cadmium thiocyanate CaCd(SCN)_4 single crystals. Materials Science-Poland, 2018, 36, 704-710.	0.4	0
4696	Investigation of Mechanical, Thermal and Third Order Nonlinear Optical Properties of L-Alanine Cadmium Chloride Single Crystal. International Journal of ChemTech Research, 2019, 12, 141-154.	0.1	0
4698	Growth, XRD, Mechanical, Optical and SHG Studies of L-Lysine L-Tartaric Acid Crystals. Asian Journal of Engineering and Applied Technology, 2019, 8, 57-62.	0.3	0
4699	Structural, optical, thermal, dielectric and mechanical studies of a new organic NLO material: L-isoleucinium p-toluenesulfonate monohydrate (LIPT). Materials Science-Poland, 2019, 37, 196-205.	0.4	0
4700	Studies on the growth and characterization of L-cysteine hydrogen fluoride single crystal. Materials Science-Poland, 2019, 37, 304-309.	0.4	0
4701	Growth, electrical, thermal, mechanical and etching studies on 4-chloroanilinium hydrogen (2R,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	0.4	1
4702	Organic Nonlinear Optical Crystals. , 2019, , 243-265.		0
4703	Syntheses, characterization and calculations of $\text{LimAnM}_6\text{O}_{15}$ (A=Rb, Cs; M=Si, Ge; m+n=6). Science China Materials, 2020, 63, 1769-1778.	3.5	14
4704	Two Zn^{II} -based MOFs constructed with biphenyl-2,2',5,5'-tetracarboxylic acid and flexible N-donor ligands: syntheses, structures and properties. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 547-556.	0.2	1
4705	Experimental and computational studies on optical properties of a promising N-benzylideneaniline derivative for non-linear optical applications. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 557-573.	0.7	3
4706	Semi-organic nonlinear optical material: (((4-sulfonatophenyl)ammonio)oxy)zirconium for dielectric and photonics applications. Materials Science-Poland, 2020, 38, 434-442.	0.4	0
4707	$\text{AMoO}_3(\text{IO}_3)$ (A = Na and K): Two promising optical materials via properly assembling the $\hat{\text{b}}$ -shaped basic building units. Journal of Alloys and Compounds, 2022, 894, 162547.	2.8	13
4708	Helical $\{[\text{HgS}]\}_n$ Chain-Induced Balanced Nonlinear-Optical Performance for Trigonal Mercury Sulfide. Inorganic Chemistry, 2021, 60, 16917-16921.	1.9	18
4709	A New Nonlinear Optical Material with $\hat{\text{N}}(\text{CN})_2^{\ominus}$ Anion. Chemistry - A European Journal, 2021, , .	1.7	2
4710	A Potassium Tungsten Oxyfluoride with Strong Second-Harmonic Generation Response Derived from Anion-Ordered Functional Motif. Inorganic Chemistry, 2021, 60, 17364-17370.	1.9	13
4711	Structure Tuning, Strong Second Harmonic Generation Response, and High Optical Stability of the Polar Semiconductors $\text{Na}_x\text{K}_{1-x}\text{As}_2\text{Q}_2$. Journal of the American Chemical Society, 2021, 143, 18204-18215.	6.6	24
4712	Crystal violet doped triglycine acetate crystal: a potential material for optoelectronic applications. Indian Journal of Physics, 0, , 1.	0.9	1

#	ARTICLE	IF	CITATIONS
4713	A first-principle investigate about the different response of birefringence and SHG from AB ₃ O ₆ (A= Bi,) Tj ETQq0 0 0 ,rgBT /Overlock 10 T	1.28	0
4714	Structure and Composition in Relation to Properties. , 1973, , 175-282.		0
4715	Structural Characterization of Solids. , 1973, , 437-533.		1
4716	Synthesis, crystal growth, crystal structure, optical, thermal, biological and NLO studies of heterocyclic compound N-(1,3-benzothiazol-2-yl)-2-methoxybenzamide. Results in Chemistry, 2020, 2, 100083.	0.9	11
4717	Hydrogen-Bond-Assisted Alignment of [MCu(SeO ₃) ₄ Cl(H ₂ O)] ⁴⁺ (M = Fe, Ga) Anionic Layers to Form Two Polar Oxychlorides: Pb ₂ MCu(SeO ₃) ₄ Cl(H ₂ O). Inorganic Chemistry, 2021, 60, 831-839.	1.9	4
4718	Linear-Nonlinear Optical and Quantum Chemical Studies on Quinolinium 4-Aminobenzoate: A Third Order Non-Linear Optical Material for Optoelectronic Applications. Crystal Research and Technology, 2021, 56, 2000076.	0.6	4
4719	Growth and study of 4-sulfobenzenaminium potassium dihydrogenphosphate for mechanical, dielectric and photonics applications. Materials Science-Poland, 2020, 38, 619-628.	0.4	0
4720	Synthesis and Characterization of SEM, UV absorption coefficient and shock wave properties of Thiourea Sodium Sulphate crystal. Material Science Research India, 2020, 17, 270-275.	0.9	0
4721	Electrical, Optical, Structural Properties with Some Physico-Mechanical of Pure and La ³⁺ Doped L-Alanine Acetate Single Crystals. Sensor Letters, 2020, 18, 894-899.	0.4	0
4722	Modal inspection technology based on transverse second harmonic generation in single nonlinear micro/nanowaveguide. , 2020, , .		0
4723	Synthesis, crystal structures, and properties of new acentric glaserite-related compounds Rb ₇ Ag ₅ Sc ₂ (XO ₄) ₉ (X = Mo, W). Journal of Solid State Chemistry, 2022, 305, 122638.	1.4	5
4724	Chemical substitution ϵ -oriented design of a new polar PbFIO ₃ achieving a balance between large second-harmonic generation response and wide band gap. Scripta Materialia, 2022, 208, 114347.	2.6	10
4725	Crystal growth, spectroscopic and theoretical investigation of nonlinear optical 2-bromo-4-nitroaniline single crystals for NLO and optoelectronic applications. Journal of Molecular Structure, 2022, 1250, 131725.	1.8	4
4726	Superalkali-based alkalides Li ₃ O@[12-crown-4]M (where M= Li, Na, and K) with remarkable static and dynamic NLO properties; A DFT study. Materials Science in Semiconductor Processing, 2022, 138, 106254.	1.9	35
4727	Studies on Optical Constants and Solid State Parameters of a Semi-organic Nonlinear Optical Material L-Methioninium Nitrate for Optoelectronic Device Fabrication. International Journal of ChemTech Research, 2020, 13, 274-282.	0.1	0
4728	Growth, structural and optical studies on amino-sulphate GKSF ₂ crystal. AIP Conference Proceedings, 2020, , .	0.3	0
4729	Structural and optical studies of semi organic amino-nitrate (d-GPC)crystal for short wavelength generation. AIP Conference Proceedings, 2020, , .	0.3	0
4730	Synthesis, Characterization, Thermal, NLO and Quantum-Chemical Studies on N-Acetyl-2,6-bis(4-methoxyphenyl)-3-ethylpiperidin-4-one. Asian Journal of Chemistry, 2020, 32, 1996-2000.	0.1	0

#	ARTICLE	IF	CITATIONS
4731	Growth and characterization of efficient second-order nonlinear optical material: N-(2-chlorophenyl)-(1-propanamide). Journal of Nonlinear Optical Physics and Materials, 2020, 29, 2050001.	1.1	6
4732	Zn(NH ₃) ₃ CO ₃ : a "three-in-one" UV nonlinear optical crystal built by a polar molecule bonding strategy. Journal of Materials Chemistry C, 2021, 9, 16477-16484.	2.7	8
4733	Synthesis, nucleation kinetics, spectral, structural, mechanical, and thermal studies of semi-organic barium-doped \hat{I}^3 -glycine single crystal. Journal of Materials Science: Materials in Electronics, 2021, 32, 28494.	1.1	1
4734	Ca ₃ (TeO ₃) ₂ (MO ₄) (M = Mo, W): Mid-Infrared Nonlinear Optical Tellurates with Ultrawide Transparency Ranges and Superhigh Laser-Induced Damage Thresholds. Inorganic Chemistry, 2021, 60, 18512-18520.	1.9	16
4735	Superior Infrared Nonlinear Optical Performance Achieved by Synergetic Functional Motif and Vacancy Site Modulations. Chemistry of Materials, 2021, 33, 8831-8837.	3.2	23
4736	6.5.1.1 Point group: (-4)3m. , 0, , 38-39.		0
4737	6.5.5.1 Point group: mm2. , 0, , 50-57.		0
4738	6.5.5.2 Point group: 222. , 0, , 57-58.		0
4739	6.5.6.2 Point group: m. , 0, , 61-62.		0
4740	6.5.7.1 Point group: 1. , 0, , 62-62.		0
4741	A - D. , 0, , 68-146.		0
4742	E - N. , 0, , 147-220.		0
4743	P - Z. , 0, , 221-323.		0
4744	6.8 References for 6. , 0, , 324-346.		0
4745	8 Sr ₂ Nb ₂ O ₇ family. , 0, , 221-229.		0
4746	1966 - 1973. , 0, , 637-650.		0
4748	Crystal growth, structural, optical and theoretical investigations of organic nonlinear optical crystal: 2-naphthalenol. Molecular Crystals and Liquid Crystals, 2020, 712, 43-61.	0.4	1
4749	RbMo ₂ P ₃ O ₁₄ with large birefringence mainly induced by highly distorted [MoO ₆] in uncommon [Mo ₂ P ₃ O ₁₄] ^z layers. Dalton Transactions, 2021, 50, 17559-17565.	1.6	3

#	ARTICLE	IF	CITATIONS
4750	Noncentrosymmetric chalcogenide K ₂ Ba ₃ Ge ₃ S ₉ Cl ₂ : A new nonlinear optical material with remarkable laser-induced damage threshold. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162602.	2.8	11
4751	Nonlinear optical properties of a new polar bismuth tellurium oxide fluoride, Bi ₃ F(TeO ₃)(TeO ₂ F ₂) ₃ . <i>Journal of Alloys and Compounds</i> , 2022, 895, 162603.	2.8	11
4752	From CeF ₂ (SO ₄) ₂ ·H ₂ O to Ce(IO ₃) ₂ (SO ₄) ₂ : Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. <i>Chemistry of Materials</i> , 2021, 33, 9317-9325.	3.2	23
4753	Dielectric properties and second harmonic generation of glycine doped bithiourea cobalt and nickel malonates as new semiorganic non-linear optical materials. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
4754	Physicochemical properties and structural studies of a new hybrid compound potassium nitrate-ninhydrin: Promising material for nonlinear applications. <i>Inorganic Chemistry Communication</i> , 2021, 135, 109091.	1.8	0
4755	A ₃ A ²⁺ Zn ₆ Te ₄ O ₂₄ (A = Na, A ²⁺ = Rare Earth) Garnets: A-Site Ordered Noncentrosymmetric Structure, Photoluminescence, and Na-Ion Conductivity. <i>Inorganic Chemistry</i> , 2021, 60, 18168-18177.	1.9	5
4756	Synergistic Effect of ĩ-Conjugated [C(NH ₂) ₃] Cation and Sb(III) Lone Pair Stereoactivity on Structural Transformation and Second Harmonic Generation. <i>Inorganic Chemistry</i> , 2021, 60, 18483-18489.	1.9	17
4757	Dimensionality reduction made high-performance mid-infrared nonlinear halide crystal. <i>Materials Today Physics</i> , 2021, 21, 100569.	2.9	44
4758	Synthesis, growth, optical studies and antimicrobial activity of a new semiorganic nonlinear optical crystal L-valine cobalt sulphate. <i>Materials Today: Proceedings</i> , 2021, 49, 2826-2826.	0.9	0
4759	NH ₄ Sb ₂ (C ₂ O ₄) ₅ : A novel UV nonlinear optical material synthesized in deep eutectic solvents. <i>Journal of Alloys and Compounds</i> , 2022, 896, 162921.	2.8	20
4760	Investigation into Structural Variation from 3D to 1D and Strong Second Harmonic Generation of the AHgP ₄ (A ⁺ = Na ⁺ , K ⁺ , Rb ⁺ , Tl ⁺) Tj ETQqO O O rgBT /Overlock 10 Tf 50 33	1.0	0
4761	AA ₃ P ₆ O ₂₀ (A = Rb, Cs): Two deep-ultraviolet transparent nonlinear optical materials designed by aliovalent substitution. <i>Journal of Alloys and Compounds</i> , 2022, 902, 162608.	2.8	4
4762	M ₄ O(IO ₃) ₃ (I ₃ O ₇ F ₃)BF ₄ (M = Pb, Sr): Promising Nonlinear Optical Materials Featuring the Unprecedented Windmill-Shaped [I ₃ O ₇ F ₃] Polyfluoroiodate Anion. <i>Crystal Growth and Design</i> , 2021, 21, 7098-7103.	1.4	5
4763	Preparation, structure analysis and performance characterization of a novel organic second-order nonlinear optical crystal DOBT. <i>Journal of Molecular Structure</i> , 2022, 1251, 131973.	1.8	8
4764	Halogen-Ion-Induced Structural Phase Transition Giving a Polymorph of HgBr ₂ with Balanced Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2021, 60, 19297-19303.	1.9	5
4765	Excellent quantum yield enhancement in luminescent metal-organic layer for sensitive detection of antibiotics in aqueous medium. <i>Dyes and Pigments</i> , 2022, 198, 109961.	2.0	6
4766	Cu ₄ MnGe ₂ S ₇ and Cu ₂ MnGeS ₄ : two polar thio germanates exhibiting second harmonic generation in the infrared and structures derived from hexagonal diamond. <i>Dalton Transactions</i> , 2021, 50, 17524-17537.	1.6	9
4767	The Balance of Deep-Ultraviolet Transparency and Large Second Harmonic Generation Response in a Silicate Crystal. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
4768	Crystal engineering and physicochemical properties of l-cysteine cadmium chloride (LCC) for frequency-doubling and optical limiting applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 1489.	1.1	5
4769	HgSO ₄ : An excellent mid-infrared sulfate nonlinear optical crystal with wide band gap and strong second harmonic generation response. Journal of Alloys and Compounds, 2022, 902, 163727.	2.8	6
4770	Quaternary Noncentrosymmetric Rare-Earth Sulfides Ba ₄ RE ₂ Cd ₃ S ₁₀ (RE = Sm, Gd, or Tb): A Joint Experimental and Theoretical Investigation. Inorganic Chemistry, 2022, 61, 1797-1804.	1.9	8
4771	First-principles study of opto-electronic and thermoelectric properties of SrCdSnX ₄ (X=S, Se, Te) alkali metal chalcogenides. Computational Condensed Matter, 2022, 30, e00625.	0.9	17
4772	Partial congener substitution induced centrosymmetric to noncentrosymmetric structural transformation and nonlinear optical properties of PbSnSiS ₄ . Journal of Alloys and Compounds, 2022, 899, 163366.	2.8	5
4773	Experimental and theoretical studies on new 2-amino-6-methylpyridinium 2,4-dihydroxybenzoate monohydrate organic single crystal for second order nonlinear optical applications. Journal of Molecular Structure, 2022, 1254, 132330.	1.8	7
4774	Building-block approach to the discovery of Na ₈ Mn ₂ (Ge ₂ Se ₆) ₂ : A polar chalcogenide exhibiting promising harmonic generation signals with a high laser-induced damage threshold. Journal of Alloys and Compounds, 2022, 900, 163392.	2.8	5
4775	Noncentrosymmetric (KBa _{0.5})In ₂ Se ₄ and (K _{0.58} Ba _{0.71})(Ga _{0.89} In _{1.11})Se ₄ derived from centrosymmetric BaIn ₂ Se ₄ via partial cation substitution: structural chemistry and nonlinear optical activity. Journal of Alloys and Compounds, 2022, 899, 163255.	2.8	4
4777	Theoretical and experimental study of new nonlinear optical material nicotinohydrazide. Journal of Nonlinear Optical Physics and Materials, 2020, 29, 2050007.	1.1	2
4778	Nucleation behaviour of racemic and enantiopure histidine. CrystEngComm, 2021, 23, 8379-8385.	1.3	3
4779	Influence of Urea Doping on Spectral, Mechanical, Thermal, Nlo and Electrical Studies of Diammonium Hydrogen Phosphate Crystal. SSRN Electronic Journal, 0, , .	0.4	0
4780	Ba ₆ (Cu _x Z _y)Sn ₄ S ₁₆ (Z = Mg,) Tj ETQq1 1 0.784314 rgBT Inorganic Chemistry, 2022, 61, 2640-2651.	1.9	7
4781	SrZnSnSe ₄ : A quaternary selenide with large second harmonic generation and birefringence. Journal of Alloys and Compounds, 2022, 904, 163944.	2.8	24
4782	Pb ₄ SeBr ₆ : A Congruently Melting Mid-Infrared Nonlinear Optical Material with Excellent Comprehensive Performance. Advanced Optical Materials, 2022, 10, .	3.6	21
4783	Synthesis, Structure Determination, and Characterizations of a Polar Salt-Inclusion Scandium Germanate, Rb ₁₀ Li ₃ Sc ₄ Ge ₁₂ O ₃₆ F. Inorganic Chemistry, 2022, 61, 1973-1981.	1.9	3
4784	Optimizing the Nonlinear Optical Performance of an A-N-M-Q (A: Alkali Metal; N: ¹⁰) Tj ETQq1 1 0.784314 rgBT 4352-4359.	4.0	23
4785	From Cc to P6 ₃ mc: Structural Variation in La ₃ S ₂ Cl ₂ [Sb ₃] and La ₃ OSCl ₂ [Sb ₃] Induced by the Isovalent Anion Substitution. Crystal Growth and Design, 2022, 22, 1437-1444.	1.4	8
4786	K ₃ V ₂ O ₃ F ₄ (IO ₃) ₃ : a high-performance SHG crystal containing both five and six-coordinated V ⁵⁺ cations. Chemical Science, 2022, 13, 454-460.	3.7	15

#	ARTICLE	IF	CITATIONS
4787	Hybrid organic-inorganic triguanidine arsenate dihydrate for ultraviolet nonlinear optical application. Dalton Transactions, 2022, 51, 463-467.	1.6	6
4788	$AZn_2(BO_3)_2Si_2O_5$ (A = Rb, Cs): first examples of $KBe_2BO_3F_2$ structure type in the borosilicate family exhibiting a deep-ultraviolet cutoff edge. Journal of Materials Chemistry C, 2022, 10, 1727-1734.	2.7	7
4789	Comparative studies on formation and material characterization of L-histidine derivatives for nonlinear optical device applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 2970-2979.	1.1	14
4790	$Na_3Ti_3O_3(SeO_3)_4F$: A Phase-Matchable Nonlinear-Optical Crystal with Enlarged Second-Harmonic-Generation Intensity and Band Gap. Inorganic Chemistry, 2022, 61, 2686-2694.	1.9	12
4791	Experimental Spectroscopic, Computational, Hirshfeld Surface, Molecular Docking Investigations on 1H-Indole-3-Carbaldehyde. Polycyclic Aromatic Compounds, 2023, 43, 1263-1287.	1.4	11
4792	Synthesis, growth and characterization of L-Leucine Magnesium Nitrate Hexahydrate crystal. Journal of Nonlinear Optical Physics and Materials, 0, , .	1.1	2
4793	Design, Synthesis, and Characterization of the Nonlinear Optical Material $MnTeW_4MoO_6$. Journal of Physical Chemistry C, 2022, 126, 815-822.	1.5	2
4794	Structural modification from centrosymmetric $Rb_4Hg_2Ge_2S_8$ to noncentrosymmetric $(Na_3Rb)Hg_2Ge_2S_8$: mixed alkali metals strategy for infrared nonlinear optical material design. Journal of Materials Chemistry C, 2022, 10, 3300-3306.	2.7	13
4795	$Na_4B_8O_9F_{10}$: A Deep-Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phase-Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie, 2022, 134, .	1.6	9
4796	$Sn_7Br_{10}S_2$: The First Ternary Halogen-Rich Chalcohalide Exhibiting a Chiral Structure and Pronounced Nonlinear Optical Properties. Angewandte Chemie, 2022, 134, .	1.6	5
4797	Growth and physiochemical characterization studies on 4-chloro-2-nitroaniline nonlinear optical single crystals. Journal of Materials Science: Materials in Electronics, 2022, 33, 3034.	1.1	0
4798	$[Ba_4Cl]$ Cations Directed Perovskite-like Polar Metal Formate Frameworks $\{[Ba_4Cl][M_3(HCO_2)_2]_{13}\}_n$ (M = Mn, Tl) $Tj ETQq1 1 0.784314 r g B$ 2265-2271.	1.9	4
4799	Growth and characterization of a semi-organic nonlinear optical single crystal: sarcosine barium chloride. Journal of Materials Science: Materials in Electronics, 2022, 33, 3501-3513.	1.1	3
4800	Syntheses, structures and optical properties of two B_3O_7 cluster-based borates. CrystEngComm, 2022, 24, 1203-1210.	1.3	4
4801	Two Nonlinear Optical Thiophosphates $Cu_5Hg_{0.5}P_2S_8$ and $AgHg_3PS_6$ Activated by Their Tetrahedra-Stacking Architecture. Inorganic Chemistry, 2022, 61, 1620-1626.	1.9	8
4802	Regulating Optical Activity and Anisotropic Second-Harmonic Generation in Zero-Dimensional Hybrid Copper Halides. Nano Letters, 2022, 22, 846-852.	4.5	44
4803	Three-Dimensional Methylhydrazinium Lead Halide Perovskites: Structural Changes and Effects on Dielectric, Linear, and Nonlinear Optical Properties Entailed by the Halide Tuning. Journal of Physical Chemistry C, 2022, 126, 1600-1610.	1.5	34
4804	$Na_4B_8O_9F_{10}$: A Deep-Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phase-Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	80

#	ARTICLE	IF	CITATIONS
4805	Highly polarized [GeOTe ₃] motif-driven structural order promotion and an enhanced second harmonic generation response in the new nonlinear optical oxytelluride Ba ₃ Ge ₂ O ₄ Te ₃ . Journal of Materials Chemistry C, 2021, 10, 150-159.	2.7	21
4806	Î ² -BaGa ₄ Se ₇ : a promising IR nonlinear optical crystal designed by predictable structural rearrangement. Journal of Materials Chemistry C, 2021, 10, 96-101.	2.7	25
4807	Unprecedented mid-infrared nonlinear optical materials achieved by crystal structure engineering, a case study of (KX)P ₂ S ₆ (X = Sb, Bi, Ba). Chemical Science, 2022, 13, 2640-2648.	3.7	28
4808	HgTeO ₂ F(OH): A Nonlinear Optical Oxyfluoride Constructed of Active [TeO ₂ F(OH)] ²⁺ Pyramids and V-Shaped [HgO ₂] ²⁺ Groups. Inorganic Chemistry, 2022, 61, 2333-2339.	1.9	19
4809	A biological luminescent metal-organic framework with high fluorescence quantum yield for the selective detection of amino acids and monosaccharides. Dalton Transactions, 2022, 51, 2883-2889.	1.6	5
4810	Sn ₇ Br ₁₀ S ₂ : The First Ternary Halogen-Rich Chalcohalide Exhibiting a Chiral Structure and Pronounced Nonlinear Optical Properties. Angewandte Chemie - International Edition, 2022, 61, .	7.2	77
4811	New double nonlinear-optical borate Rb ₃ SmB ₆ O ₁₂ : Synthesis, structure and spectroscopic properties. Journal of Alloys and Compounds, 2022, 905, 164022.	2.8	14
4812	Infrared nonlinear optical performances of a new sulfide Î ² -PbGa ₂ S ₄ . Journal of Alloys and Compounds, 2022, 905, 164090.	2.8	8
4813	Polar lanthanide copper iodates LnCu(IO ₃) ₅ (Ln = La, Ce, Pr, and Nd): Synthesis, crystal structure and characterization. Journal of Solid State Chemistry, 2022, 308, 122934.	1.4	2
4814	Two non-centrosymmetric scandium borate nonlinear optical crystals containing the B ₅ O ₁₀ anion group. Journal of Alloys and Compounds, 2022, 902, 163832.	2.8	12
4815	A new salt-inclusion chalcogenide exhibiting distinctive [Cd ₁₁ In ₉ S ₂₆] ³⁺ host framework and decent nonlinear optical performances. Journal of Alloys and Compounds, 2022, 902, 163656.	2.8	7
4816	A ₂ P ₂ S ₆ (A = Ba and Pb): a good platform to study the polymorph effect and lone pair effect to form an acentric structure. Dalton Transactions, 2022, 51, 4522-4531.	1.6	19
4817	Cd ₄ REO(BO ₃) ₃ (RE = Sm, Eu, Tb): three new cadmium-rare earth oxyborates with both good NLO and luminescence properties. CrystEngComm, 2022, 24, 2542-2550.	1.3	1
4818	Driving Nonlinear Optical Activity with Dipolar 2-Aminopyrimidinium Cations in (C ₄ H ₆ N ₃) ⁺ (H ₂ PO ₃) ^{3.2-} . Chemistry of Materials, 2022, 34, 1976-1984.		35
4819	Investigations on structural, optical, mechanical properties of pure and l-threonine (LT) doped l-tartaric acid-nicotinamide (LTN) nonlinear optical single crystals. Journal of Materials Science: Materials in Electronics, 2022, 33, 6888-6897.	1.1	0
4820	Influence of ⁶⁰ Co gamma irradiation on the structural and optical properties of 2-aminopyridinium 4-nitrophenolate 4-nitrophenol crystals. Current Applied Physics, 2022, 37, 1-7.	1.1	2
4821	Study of RBO ₃ -ScBO ₃ phase diagrams and RSc ₃ (BO ₃) ₄ orthoborates (R = La, Pr and Nd). Journal of Alloys and Compounds, 2022, 905, 164162.	2.8	2
4822	Phase Matchability Transformation in the Infrared Nonlinear Optical Materials with Diamond-Like Frameworks. Advanced Optical Materials, 2022, 10, .	3.6	30

#	ARTICLE	IF	CITATIONS
4823	Guanidinium Fluorooxoborates as Efficient Metal-free Short-Wavelength Nonlinear Optical Crystals. <i>Chemistry of Materials</i> , 2022, 34, 440-450.	3.2	67
4824	$\text{NaIn}(\text{C}_2\text{O}_4)(\text{HPO}_4)(\text{H}_2\text{O})_5$: An Ultraviolet Transparent Nonlinear Optical Oxalate-Phosphate with Large Birefringence. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4825	Broad transparency and wide band gap achieved in a magnetic infrared nonlinear optical chalcogenide by suppressing d -transitions. <i>Materials Horizons</i> , 2022, 9, 1513-1517.	6.4	21
4826	Symmetry breaking of $\text{A}_3\text{M}_2\text{X}_9$ -type perovskite derivatives induced by polar quaternary ammonium cations: achieving efficient nonlinear optical properties. <i>Dalton Transactions</i> , 2022, 51, 4878-4883.	1.6	15
4827	Two new rare-earth borates $\text{Sr}_2\text{Tb}_3\text{B}_{27}\text{O}_{46}$ and $\text{Ba}_2\text{Eu}_3\text{B}_{27}\text{O}_{46}$ ($\langle i \rangle = 2/3$): syntheses, crystal structures, and luminescence properties. <i>Dalton Transactions</i> , 2022, 51, 6299-6313.	1.6	2
4828	$\langle i \rangle$ - and $\langle i \rangle$ -[$\text{C}_8\text{H}_{10}\text{NO}_3$] $_2$ [NbOF_5]: noncentrosymmetric niobium oxyfluorides with large optical anisotropy. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2498-2507.	3.0	2
4829	Centrosymmetric $\text{Rb}[\text{Te}_2\text{O}_4(\text{OH})_5]$ and noncentrosymmetric $\text{K}_2[\text{Te}_3\text{O}_8(\text{OH})_4]$: metal tellurates with corner and edge-sharing (Te_4O_{18}) $^{12-}$ anion groups. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2628-2636.	3.0	7
4830	Tellurate polymorphs with high-performance nonlinear optical switch property and wide mid-IR transparency. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1708-1713.	3.0	10
4831	$\text{KPb}_3(\text{O}-\text{C}_5\text{H}_4\text{NCOO})_2\text{Cl}_5$: a brand-new stable lead chloride with good comprehensive nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1830-1835.	3.0	2
4832	Unprecedented boat-shaped [$\text{Mo}_2\text{O}_5(\text{IO}_3)_4$] $^{2+}$ polyanions induced a strong second harmonic generation response. <i>Chemical Communications</i> , 2022, 58, 3350-3353.	2.2	16
4833	$\text{Ba}_{10}\text{LuB}_{18}\text{O}_{32}\text{F}_{13}$: the first example of borate in the LuO_2F system with the unprecedented FBB [B_9O_{22}]. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2298-2304.	3.0	7
4834	$\text{KAg}_3\text{Ga}_8\text{S}_{14}$: An Mid- and Far-infrared Nonlinear Optical Material Exhibiting High Laser-induced Damage Threshold. <i>Acta Chimica Sinica</i> , 2022, 80, 259.	0.5	2
4835	Synthesis, structural characterization and Hirshfeld surface analysis of NLO active 3-hydroxypyridinium 2,4-dinitrophenolate single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7750-7764.	1.1	2
4836	Phosphogermanate Crystal: A New Ultraviolet-Infrared Nonlinear Optical Crystal with Excellent Optical Performances. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10588-10593.	4.0	7
4837	$\text{Cd}_4\text{InO}(\text{BO}_3)_3$: A New Nonlinear Optical Crystal Exhibiting Strong Second Harmonic Generation Effect and Moderate Birefringence. <i>Crystals</i> , 2022, 12, 266.	1.0	0
4838	Growth and characterizations of pure and Cu-doped imidazolium L-tartrate (IMLT) single crystals: optical and NLO properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7573-7586.	1.1	2
4839	Controllable Synthesis of Centrosymmetric/Noncentrosymmetric Phases for the Family of Halogen-Based Photonic Coordination Polymers to Enhance the Phase-Matching Second-Harmonic-Generation Response. <i>Inorganic Chemistry</i> , 2022, 61, 3716-3722.	1.9	9
4840	Uncovering a Vital Band Gap Mechanism of Pnictides. <i>Advanced Science</i> , 2022, 9, e2105787.	5.6	15

#	ARTICLE	IF	CITATIONS
4841	Sr ₃ [SnOSe ₃][CO ₃]: A Heteroanionic Nonlinear Optical Material Containing Planar π -conjugated [CO ₃] and Heteroleptic [SnOSe ₃] Anionic Groups. <i>Angewandte Chemie</i> , 0, .	1.6	3
4842	Investigation of physicochemical properties, photoluminescence, laser damage threshold, antimicrobial, NLO activity of L-proline manganese chloride monohydrate for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	1
4843	Effect of rare-earth doping on the structural and optical properties of the Ag ₃ AsS ₃ crystals. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	2
4844	Cs ₂ Bi ₂ OSi ₂ O ₇ : A Promising Bismuth Silicate Nonlinear Optical Crystal with Face-Sharing BiO ₅ Polyhedra Exhibiting Strengthened Second Harmonic Generation Response and Birefringence. <i>Chemistry of Materials</i> , 2022, 34, 3365-3372.	3.2	19
4845	NaGa ₃ Se ₅ : An Infrared Nonlinear Optical Material with Balanced Performance Contributed by Complex {[Ga ₃ Se ₅] ⁺ }] ⁻ Anionic Network. <i>Inorganic Chemistry</i> , 2022, 61, 5479-5483.	1.9	10
4846	Proton-Rich POM-Type K ₁₂ Mo ₈ O ₂₀ (HPO ₄) ₈ (PO ₄)Cl with Ion-Exchange Capabilities. <i>Inorganic Chemistry</i> , 2022, 61, 5262-5269.	1.9	1
4847	Optical second harmonic generation studies of pure and glycine-doped bithiourea copper/cadmium adipates. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	1.1	1
4848	Sulfamide: A Promising Deep-Ultraviolet Nonlinear Optical Crystal Assembled from Polar Covalent [SO ₂ (NH ₂) ₂] Tetrahedra. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
4849	Sr ₃ [SnOSe ₃][CO ₃]: A Heteroanionic Nonlinear Optical Material Containing Planar π -conjugated [CO ₃] and Heteroleptic [SnOSe ₃] Anionic Groups. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
4850	Efficient Piezoelectric Energy Harvesting from a Discrete Hybrid Bismuth Bromide Ferroelectric Templated by Phosphonium Cation. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	6
4851	Engineering DAST Nanoscale-Thick Films for Giant and Isotropic Second Harmonic Generation: Implications for Bioimaging and Quantum Optics. <i>ACS Applied Nano Materials</i> , 2022, 5, 3480-3490.	2.4	2
4852	Sulfamide: A Promising Deep-Ultraviolet Nonlinear Optical Crystal Assembled from Polar Covalent [SO ₂ (NH ₂) ₂] Tetrahedra. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	39
4853	Analyzing L-valine effect on structural, mechanical, optical and electrical traits of bis-thiourea cadmium chloride (BTCC) crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8218-8225.	1.1	6
4854	Design Strategy of Highly Efficient Nonlinear Optical Orange-Colored Crystals with Two Electron-Withdrawing Groups. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	4
4855	A ₂ BeS ₂ O ₈ (A = NH ₄ , K, Rb, Cs) Deep Ultraviolet Nonlinear Optical Crystals. <i>Chemistry of Materials</i> , 2022, 34, 3781-3788.	3.2	18
4856	Sensibility to chemical preparation method and thermal study of lithium zinc iodate mixture and prediction of structure, linear optical properties of \pm LiZn(IO ₃) ₃ polymorph from DFT. <i>Vacuum</i> , 2022, 201, 111084.	1.6	2
4857	Growth, thermal and optical properties of r-2,c-6-bis(p-tolyl)-c-3,t-3-dimethylpiperidin-4-one " A new class of organic NLO material. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0
4858	Nonlinear Optical Benzoindolium-Based Single Crystals: H-Contacts Induced Noncentrosymmetric Alignment Approaching Efficient Terahertz-Wave Generation. <i>Crystal Growth and Design</i> , 2022, 22, 3311-3318.	1.4	6

#	ARTICLE	IF	CITATIONS
4859	Second harmonic generation, photoluminescence and laser damage threshold of La^{3+} Proline strontium chloride monohydrate: a prospective NLO tunable band gap for optoelectronic applications. <i>Journal of Optics (India)</i> , 2022, 51, 1052-1064.	0.8	4
4860	Sol-gel synthesized barium doped TiO_2 nanoparticles for solar photocatalytic application. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109340.	1.8	27
4861	Aggregation induced emission (AIE)-active ferrocene conjugated linear π -extended multi donor- π -acceptor (D-D π^2 -A) chromophores: Synthesis, structural, theoretical, linear and nonlinear optical studies. <i>Dyes and Pigments</i> , 2022, 201, 110193.	2.0	17
4862	Advances in second-order nonlinear optical sulfates. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214443.	9.5	16
4863	Synthesis of a new compound in the $\text{SrO-TiO}_2\text{-B}_2\text{O}_3$ system and its dielectric, ferroelectric, nonlinear optical and electrical properties. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164532.	2.8	0
4864	Hydrothermal single crystal growth and structural investigation of the stuffed tridymite family as NLO materials. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164634.	2.8	3
4865	Nonlinear optical and detonation properties of semiorganic nitrate crystal $\text{C}_6\text{H}_{14}\text{N}_2(\text{NO}_3)_3 \cdot \text{H}_3\text{O}$. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164632.	2.8	1
4866	Impact of structure complexity on optoelectronic and non-linear optical properties in quaternary $\text{Ag}(\text{Pb})\text{-Ga}(\text{In})\text{-Si}(\text{Ge})\text{-S}(\text{Se})$ systems. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164636.	2.8	4
4867	Growth, characterization and theoretical studies of cadmium (II) thiourea complexes: a comparative study. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-12.	0.9	1
4868	LiNbTeO_5 : A High-Performance Multifunctional Crystal Material with a Very Large Second-Harmonic Generation Response and Piezoelectric Coefficient. <i>Chemistry of Materials</i> , 2022, 34, 399-404.	3.2	21
4869	Pushing KTiOPO_4 -like Nonlinear Optical Sulfates into the Deep-Ultraviolet Spectral Region. <i>Inorganic Chemistry</i> , 2021, 60, 18950-18956.	1.9	7
4870	Synthesis, Crystal Growth, Electronic Properties and Optical Properties of $\text{Y}_6\text{IV}_{2.5}\text{S}_{14}$ (IV=Si, Ge). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	0.6	6
4871	Growth Aspects and Optical, Mechanical and Electrical Property Investigation on L-Histidinium-4-Nitrophenolate 4-Nitrophenol (LHPNP) Single Crystal. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 64-79.	1.4	4
4872	Structural Chemistry and Excellent Nonlinear Optical Properties of a Series of Ternary Selenides $\text{Ga}_x\text{In}_{2-2x}\text{Se}_3$. <i>Inorganic Chemistry</i> , 2022, 61, 431-438.	1.9	14
4873	Anion-Tuned Synthesis of Ag Coordination Compounds: Approaches for Optimizing Second-Harmonic-Generation (SHG) Response. <i>Crystal Growth and Design</i> , 2022, 22, 803-812.	1.4	4
4874	Investigations on the Synthesis, Crystal Structure, Linear- and Nonlinear-Optical Properties of the Zinc Germanate $\text{Rb}_2\text{ZnGe}_2\text{O}_6$. <i>Inorganic Chemistry</i> , 2022, 61, 706-712.	1.9	15
4875	$\text{KCs}_2\text{Pb}_2(\text{HCOO})_2\text{Cl}_5$: A Lead Formate with Strong Second-Harmonic-Generation Response Obtained by an Anionic Substitution. <i>Inorganic Chemistry</i> , 2022, 61, 1130-1135.	1.9	1
4876	Rational design of a promising oxychalcogenide infrared nonlinear optical crystal. <i>Chemical Science</i> , 2022, 13, 5305-5310.	3.7	27

#	ARTICLE	IF	CITATIONS
4877	Growth, linear and nonlinear optical property and dielectric studies of an efficient organic ionic single crystal: 2-amino-5-methyl-pyridinium trifluoroacetate for optoelectronic devices. <i>Indian Journal of Physics</i> , 2022, 96, 3797-3808.	0.9	5
4878	Prediction of Large Second Harmonic Generation in the Metal-Oxide/Organic Hybrid Compound CuMoO ₃ (p2c). <i>Symmetry</i> , 2022, 14, 824.	1.1	0
4879	Noncentrosymmetric Rare-Earth Borate Fluoride La ₂ B ₅ O ₉ F ₃ : A New Ultraviolet Nonlinear Optical Crystal with Enhanced Linear and Nonlinear Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18704-18712.	4.0	28
4880	The Combination of Structure Prediction and Experiment for the Exploration of Alkali-Earth Metal-Contained Chalcopyrite-Like IR Nonlinear Optical Material. <i>Advanced Science</i> , 2022, 9, e2106120.	5.6	44
4881	An organic hexamine p-nitrophenol crystal: Growth, optical, electrical, mechanical and density functional theoretical studies for nonlinear optical applications. <i>Optical Materials</i> , 2022, 127, 112280.	1.7	5
4882	Nb:Mntemoo6: Synthesis, Structure and Second-Order Nonlinear Optical Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4883	Enhanced Interlayer Interaction and Second-Harmonic-Generation Response in a KBe ₂ BO ₃ F ₂ -Type Inorganic-Organic Hybrid Zinc Borate. <i>Inorganic Chemistry</i> , 2022, 61, 6720-6724.	1.9	10
4884	Crystal Growth and Physical Properties of the Nonlinear Optical Crystal KLi(HC ₃ N ₃ O ₃) ₂ ·2H ₂ O. <i>Crystal Growth and Design</i> , 2022, 22, 3471-3478.	1.4	9
4885	Maximizing the linear and nonlinear optical responses of alkaline tricyanomelaminates. <i>Fundamental Research</i> , 2022, , .	1.6	5
4886	Lone Pair-Driven Enhancement of Birefringence in Polar Alkali Metal Antimony Phosphates. <i>Chemistry of Materials</i> , 2022, 34, 4224-4231.	3.2	19
4887	Investigation study of optical and dielectric parameters using absorption and diffuse reflectance spectroscopy method on La _{0.57} Nd _{0.13} Sr _{0.2} MnO ₃ perovskite for optoelectronic application. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	26
4888	Organic-Inorganic Hybrid Noncentrosymmetric (Morpholinium) ₂ Cd ₂ Cl ₆ Single Crystals: Synthesis, Nonlinear Optical Properties, and Stability. <i>Inorganic Chemistry</i> , 2022, 61, 8076-8082.	1.9	18
4889	Heteroanionic Melilite Oxysulfide: A Promising Infrared Nonlinear Optical Candidate with a Strong Second-Harmonic Generation Response, Sufficient Birefringence, and Wide Bandgap. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23645-23652.	4.0	33
4890	Superconducting microwave resonators with non-centrosymmetric nonlinearity. <i>Superconductor Science and Technology</i> , 2022, 35, 065020.	1.8	0
4891	Growth and characterization of nonlinear optical crystal glycine sodium nitrate and its biological activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13408-13417.	1.1	4
4892	An Optimized KBe ₂ BO ₃ F ₂ -Like Structure: The Unity of Deep-Ultraviolet Transparency, Nonlinear Optical Property, and Ferroelectricity. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	12
4893	Negative Second Harmonic Response of Sn ⁴⁺ in the Fresnoite Oxysulfide Ba ₂ SnSSi ₂ O ₇ . <i>Chemistry of Materials</i> , 2022, 34, 4375-4383.	3.2	9
4894	Cooperative Enhancement of Second Harmonic Generation in an Organic-Inorganic Hybrid Antimony Halide. <i>Crystal Growth and Design</i> , 2022, 22, 3875-3881.	1.4	22

#	ARTICLE	IF	CITATIONS
4895	The Kurtz-Perry powder technique revisited: A case study on the importance of reference quality and broadband nonlinear optical measurements using LiInSe ₂ . Journal of Alloys and Compounds, 2022, 917, 165381.	2.8	12
4896	Enhancement of Birefringence in Borophosphate Pushing Phase-Matching into the Short-Wavelength Region. Journal of the American Chemical Society, 2022, 144, 9083-9090.	6.6	69
4897	Second-Harmonic Generation-Positive Na ₂ Ga ₂ Si ₆ with a Broad Band Gap and a High Laser Damage Threshold. Inorganic Chemistry, 2022, 61, 7546-7552.	1.9	11
4898	The persistence and crystallization behavior of atorvastatin calcium amorphous dispersions in polyvinylpyrrolidone. Journal of Drug Delivery Science and Technology, 2022, 72, 103375.	1.4	5
4899	Alkali metal sulfate: A new non- π -conjugated deep-ultraviolet quasi-phase matching crystal. Scripta Materialia, 2022, 217, 114764.	2.6	9
4900	Ferrocene appended Y-shaped imidazole aldehyde chromophores: Synthesis, the effect of alkyl chain in the second order nonlinear optical properties and theoretical studies. Journal of Molecular Structure, 2022, 1264, 133137.	1.8	4
4901	Ferrocene appended 1,8-naphthalimide chromophores: Synthesis, theoretical, the effect of phenyl substitution on aggregation-induced enhanced emission and second-order nonlinear optical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 277, 121282.	2.0	2
4902	Growth, spectral, NLO, hardness, Hirshfeld and antibacterial activity studies of melaminium cyanoacetate monohydrate crystals. Journal of Molecular Structure, 2022, 1263, 133158.	1.8	9
4903	SnP ₂ S ₆ : A Promising Infrared Nonlinear Optical Crystal with Strong Nonresonant Second Harmonic Generation and Phase-Matchability. ACS Photonics, 2022, 9, 1724-1732.	3.2	11
4904	CsAB ₈ O ₁₂ F ₂ · \hat{A} -CsI (A = K ⁺ , Tl ⁺) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387 Td structures via a salt-inclusion strategy. Journal of Materials Chemistry C, 2022, 10, 8584-8588.	2.7	12
4905	Mid-Infrared Nonlinear Optical Halides with Diamond-like Structures: A Theoretical and Experimental Study. Chemistry of Materials, 2022, 34, 5301-5310.	3.2	9
4906	Structural, magnetic and photoluminescence properties of new hybrid hypophosphites: discovery of the first noncentrosymmetric and two cobalt-based members. Dalton Transactions, 2022, 51, 9094-9102.	1.6	3
4907	FT-IR, FT-NMR and SHG studies on melaminiumacetate monohydrate - an organic crystalline salt. AIP Conference Proceedings, 2022, , .	0.3	0
4908	A flexible functional module to regulate ultraviolet optical nonlinearity for achieving a balance between a second-harmonic generation response and birefringence. Chemical Science, 2022, 13, 6990-6997.	3.7	14
4909	Synthesis, crystal growth, crystal investigation, optical, thermal, DFT and NLO studies of 2-methylanilinium- 4-methylbenzenesulfonate organic single crystal: Experimental and computational approach. Materials Today: Proceedings, 2022, 66, 1769-1778.	0.9	5
4910	Growth, Optical, Laser Damage Threshold, Dielectric, and Mechanical Studies of Uv-Nonlinear Optical Single-Crystal of [(NH ₄ (C ₁₂ H ₂₄ O ₆)).(Cd(Ncs) ₃)]. SSRN Electronic Journal, 0, , .	0.4	0
4911	A ₂ Zn ₃ P ₄ S ₁₃ (A = Rb and Cs): First Infrared Nonlinear Optical Materials with Mixed Thiophosphate Functional Motifs PS ₄ and P ₂ S ₆ . Journal of Materials Chemistry C, 2022, 10, 9146-9151.	2.7	12
4912	Alkali metal partial substitution-induced improved second-harmonic generation and enhanced laser-induced damage threshold for Ag-based sulfides. Inorganic Chemistry Frontiers, 2022, 9, 3779-3787.	3.0	11

#	ARTICLE	IF	CITATIONS
4913	RbBiP ₂ S ₆ : A Promising IR Nonlinear Optical Material with a Giant Second-Harmonic Generation Response Designed by Aliovalent Substitution. , 2022, 4, 1264-1269.		38
4914	Investigation on the growth, structural, vibrational, SHG behaviour and DFT studies of imidazolium hydrogen succinate single crystal. Chemical Papers, 2022, 76, 5429-5446.	1.0	5
4915	Li ₂ Mg ₂ Si ₂ S ₆ and Li ₂ Mg ₂ Ge ₂ S ₆ : Two nonlinear optical sulfides featuring a unique, polar trigonal structure incorporating ethane-like anions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	4
4916	Synthesis, characterizations of D32DMBC-crystals for applications in biomedical, tribological, electronic filters and in device constructions by theory and practice. Journal of Nonlinear Optical Physics and Materials, 0, , .	1.1	0
4917	Dimethylaniline-Based Hybrid Compounds of Cadmium Diiodide: Synthesis, Crystal Structure, and Physical Properties. Crystal Growth and Design, 2022, 22, 4182-4191.	1.4	1
4918	Optimizing first-, second- and third-order optical traits of zinc tris-thiourea sulphate (ZTS) crystal by l-tyrosine for photonic device applications. Indian Journal of Physics, 2023, 97, 251-254.	0.9	4
4919	Crystallization and Characterization of 2l-Histidinium·2Maleate·3H ₂ O and l-Histidinium·Glutarate·H ₂ O Organic Crystals for Frequency Conversion Applications. Journal of Electronic Materials, 2022, 51, 4555-4564.	1.0	7
4920	BaSi ₇ P ₁₀ and SrSi ₇ P ₁₀ : Two Infrared Nonlinear Optical Phosphides with T2 Supertetrahedra Exhibiting Strong Second-Harmonic Generation Effects. Advanced Optical Materials, 2022, 10, .	3.6	4
4921	Growth, spectral and quantum chemical investigation on hexamethylenetetramine 4-nitrophenol monohydrate single crystals for second harmonic generation and optical limiting applications. Journal of Molecular Structure, 2022, 1265, 133406.	1.8	4
4922	A Sodium Tantalum Phosphate with a Noncentrosymmetric Structure: Na ₅ Ta ₈ P ₅ O ₃₅ . SSRN Electronic Journal, 0, , .	0.4	0
4923	A ₃ Ga ₈ Se ₁₄ (A = Rb, Cs): second-harmonic generation responses realized through the parallel arrangement of AgSe ₄ and GaSe ₄ tetrahedrons. Dalton Transactions, 2022, 51, 11048-11053.	1.6	2
4924	(NH ₄) ₃ B ₁₁ PO ₁₉ F ₃ : a deep-UV nonlinear optical crystal with unique [B ₅ PO ₁₀ F] ²⁻ layers. National Science Review, 2022, 9, .	4.6	68
4925	Two Mixed Alkali-Metal Borates Templated from Cations to Clusters. Inorganic Chemistry, 2022, 61, 10205-10210.	1.9	6
4926	Improved Polarization in the Sr ₆ Cd ₂ Sb ₆ O ₇ Se ₁₀ Oxyselenide through Design of Lateral Sublattices for Efficient Photoelectric Conversion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	7
4927	Two Metal Phosphate Nonlinear Optical Materials Simultaneously Exhibiting Ultraviolet Transparency and a Large Birefringence. Chemistry of Materials, 2022, 34, 5919-5927.	3.2	16
4928	Materials today: Proceedings ĩ (3) measurement and second harmonic generation of organic-inorganic hybrid compounds headed for optoelectronic applications-L cysteine hydrogen orthoborate. Materials Today: Proceedings, 2022, 66, 2198-2206.	0.9	3
4929	Improved Polarization in the Sr ₆ Cd ₂ Sb ₆ O ₇ Se ₁₀ Oxyselenide through Design of Lateral Sublattices for Efficient Photoelectric Conversion. Angewandte Chemie, 2022, 134, .	1.6	3
4930	(C ₃ H ₇ N ₆) ₆ (H ₂ PO ₄) ₄ (HPO ₄) ₄ and Centrosymmetric (C ₃ H ₇ N ₆) ₂ SO ₄ ·2H ₂ O: Exploration of Acentric Structure by Combining Planar and Tetrahedral Motifs via Hydrogen Bonds. Inorganic Chemistry, 2022, 61, 10182-10189.	1.9	6

#	ARTICLE	IF	CITATIONS
4931	Growth and Characterization of Second and Third Order Acentric Studies of l-Phenylalanine l-Phenylalaninium Malonate Single Crystal. <i>Crystals</i> , 2022, 12, 869.	1.0	4
4932	Studies on growth and characterization of a nonlinear optical crystal: Zinc sulfate-doped L-alanine. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2023, 32, .	1.1	3
4933	From CsKTaF ₇ to CsNaTaF ₇ : Alkali Metal Cations Regulation to Generate SHG Activity**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
4934	An excellent lead oxyiodide with a strong second-harmonic generation response and a large birefringence induced by the oriented arrangement of highly distorted [PbO ₄] ₂ polyhedra. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4464-4469.	3.0	3
4935	Rb ₂ MGe ₃ S ₈ (M=Zn, Cd): Non-Centrosymmetry Transformation Led by Structure Change of [MGe ₃ S ₈] ²⁻ Unit. <i>Acta Chimica Sinica</i> , 2022, 80, 633.	0.5	2
4936	New alkaline-earth amidosulfates and their unexpected decomposition to S ₄ N ₄ . <i>Dalton Transactions</i> , 2022, 51, 11737-11746.	1.6	4
4937	Growth and characterization of barium bis para-nitrophenolate para-nitrophenol tetrahydrate single crystal for NLO applications. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	2
4938	Effect of Charge Transfer and Non-Covalent Interactions of the Synthesized NLO Compound p-Nitrophenol Sodium-Bisulfate Using DFT Method. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 4621-4639.	1.4	4
4939	Tailoring Hybrid Aluminoborate Frameworks by Incorporating Multicomponent Cadmium Amine Complexes with Various Conformations. <i>Inorganic Chemistry</i> , 2022, 61, 11675-11686.	1.9	3
4940	Design of Infrared Nonlinear Optical Compounds with Diamond-like Structures and Balanced Optical Performance. <i>Inorganic Chemistry</i> , 2022, 61, 11454-11462.	1.9	5
4941	Synthesis, structural characterization, and Hirshfeld surface analysis of novel NLO active 1-methyl-1,3,5,7-tetraazaadamantan-1-ium 3-carboxy-5-nitrobenzoate hydrate. <i>Journal of Molecular Structure</i> , 2022, 1269, 133740.	1.8	7
4942	Homochiral Chemistry Strategy To Trigger Dielectric Switching and Second-Harmonic Generation Response on Spirocyclic Derivatives. <i>Inorganic Chemistry</i> , 2022, 61, 10872-10879.	1.9	5
4943	Zero-Dimensional Molecular Ferroelectrics with Significant Nonlinear Effect and Giant Entropy. <i>Chemistry of Materials</i> , 2022, 34, 6323-6330.	3.2	12
4944	Directional Construction of New Nonlinear Optical Bifunctional Units through Molecular Engineering Design Inspired by the B ₃ O ₇ -Typed Configuration. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32270-32278.	4.0	6
4945	Homochiral Hybrid Organic-Inorganic Cadmium Chlorides Directed by Enantiopure Amino Acids. <i>Inorganic Chemistry</i> , 2022, 61, 11032-11035.	1.9	14
4946	Deep-ultraviolet nonlinear optical crystals: concept development and materials discovery. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	55
4947	Crystal growth and physico-chemical characterization of a semi-organic l-glutamic acid manganese chloride single crystal for nonlinear optical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 18124-18133.	1.1	3
4948	Shedding Light on the Structure and Characterization of K ₂ ZnGe ₂ O ₆ : A Phase-Matchable Nonlinear Optical Crystal. <i>Inorganic Chemistry</i> , 2022, 61, 11471-11477.	1.9	10

#	ARTICLE	IF	CITATIONS
4949	Cation-anion synergetic interactions achieving tunable birefringence in quasi-one-dimensional antimony(III) fluoride oxalates. <i>Science China Materials</i> , 2022, 65, 3115-3124.	3.5	25
4950	First Investigation of Nonlinear Optical Oxychalcogenide with $3D$ Anionic Framework and Special $Windmill$ -Like Functional Motifs. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2407-2414.	2.6	12
4951	Phonon-Suppressing Intermolecular Adhesives: Catechol-Based Broadband Organic THz Generators. <i>Advanced Science</i> , 2022, 9, .	5.6	11
4952	Photoactive Anthracene-9,10-dicarboxylic Acid for Tuning of Photochromism in the Cd/Zn Coordination Polymers. <i>Inorganic Chemistry</i> , 2022, 61, 10792-10800.	1.9	5
4953	Effect of l-proline dopant on structural, optical, dielectric, and NLO properties of imidazolium l-tartrate (IMLT) single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 18686-18698.	1.1	1
4954	New N-pyrimidinyl stilbazolium crystals for second-order nonlinear optics. <i>Optics and Laser Technology</i> , 2022, 156, 108454.	2.2	5
4955	Physicochemical and DFT studies of organic NLO single crystal 4-methoxy-N-(2-methyl-5-nitrophenyl) benzamide. <i>Molecular Crystals and Liquid Crystals</i> , 2023, 754, 43-67.	0.4	3
4956	Impact of nickel doping on structural, optical, electrical, and third-order NLO behavior of piperazinium L-tartrate single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	1.1	0
4957	Heteroanionic Control of Exemplary Second-Harmonic Generation and Phase Matchability in 1D $LiAs_2Se_4$. <i>Journal of the American Chemical Society</i> , 2022, 144, 13903-13912.	6.6	15
4958	Diffractional, optical, electrical, NLO and surface studies of l-asparagine monohydrate lithium sulphate (LAMLS) single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 18846-18857.	1.1	13
4959	Computational description of quantum chemical calculations and pharmacological studies of the synthesized chalcone derivative: A promising NLO material. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100655.	1.3	1
4960	Photoluminescence, Impedance, Thermal Characteristics and Hirshfeld Surface Analysis of Potassium Bisulphate Single Crystals for Third Order NLO Applications. <i>East European Journal of Physics</i> , 2021, , 145-151.	0.1	2
4961	Synthesis, studies of 2-benzyl-amino-4-p-tolyl-6,7-di-hydro 5H-cyclo-penta[b]pyridine-3 carbo-nitrile (BAPTDHCPCN) crystals for optical, photonic and mechano-electronic uses. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 19320-19330.	1.1	11
4962	Organic Cation Modulation Triggered Second Harmonic Response in Manganese Halides with Bright Fluorescence. <i>Inorganic Chemistry</i> , 2022, 61, 11514-11518.	1.9	14
4963	Difluoro(oxalato)borates as Short-Wavelength Optical Crystals with Bifunctional $[BF_2CO_4]$ Units. <i>Chemistry of Materials</i> , 2022, 34, 7516-7525.	3.2	15
4964	Flexible Piezoelectric Nanogenerators Based on One-Dimensional Neutral Coordination Network Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9911-9920.	3.2	3
4965	$NH_4IO_3F_2$ and $(NH_4)_3(IO_2F)_3 \cdot H_2O$: A Series of Ammonium-Containing Fluoroiodates with Wide Band Gaps. <i>Inorganic Chemistry</i> , 2022, 61, 11803-11810.	1.9	5
4966	$[Ba_2F_2][Ge_2O_3S_2]$: An Unprecedented Heteroanionic Infrared Nonlinear Optical Material Containing Three Typical Anions. , 2022, 4, 1593-1598.		27

#	ARTICLE	IF	CITATIONS
4967	Investigation of optical, thermal and mechanical studies on semi organic nonlinear optical diaquabis(L-lactato)magnesium (DLLM) single crystal for optoelectronic devices applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 20035-20045.	1.1	2
4968	Laser damage threshold, antimicrobial efficacy and physicochemical properties of an organometallic L-proline lithium chloride monohydrate single crystal for NLO application and optoelectronic device fabrication. Journal of Materials Science: Materials in Electronics, 2022, 33, 20280-20292.	1.1	1
4969	Third order non-linear optical, diffractive, electrical, laser damage threshold, elemental and surface studies of l-methionine potassium hydrogen phthalate (LMKHP) single crystals. Journal of Materials Science: Materials in Electronics, 2022, 33, 19004-19018.	1.1	12
4970	Synthesis and studies of the zinc acetate (ZA) crystal for dielectric, nano-photonics and electronic applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 19514-19533.	1.1	12
4971	$\text{Pb}_{5}(\text{GeO}_{4})_{2}(\text{GeO}_{7})$ and $\text{Pb}_{3.32}\text{Ca}_{1.68}(\text{GeO}_{4})_{2}(\text{GeO}_{7})$: Two Nonlinear Optical Germanates Induced by Diverse PbO Polyhedra. Inorganic Chemistry, 2022, 61, 13637-13643.	1.9	8
4972	Synthesis, Crystal Structure, and Characterizations of Two Tantalum Phosphates $\text{A}_{3}\text{TaP}_{2}\text{O}_{9}$ (A=K, Na). Inorganic Chemistry, 0, , .	1.9	1
4973	Crystal growth, structure, surface, optical, thermal, mechanical, magnetic, electrical investigations on cesium sulphate-doped 4-methoxyaniline: a single crystal for NLO and antimicrobial applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 19420-19433.	1.1	2
4974	Deep Ultraviolet-Transparent Materials with Strong Second-Harmonic Response. Chemistry of Materials, 2022, 34, 8004-8012.	3.2	14
4975	Designing a deep-UV nonlinear optical monofluorophosphate. Science China Chemistry, 2022, 65, 1710-1714.	4.2	4
4976	Two New $\text{Rb}_{3}\text{Sc}(\text{IO}_{3})_{6}$ Polytypes in Proposed Nonlinear Optical Family $\text{A}_{3}\text{M}(\text{IO}_{3})_{6}$ (A = K, Rb; M = Sc, In): Topology-Symmetry Analysis, Order-Disorder and Structure-Properties Relation. Symmetry, 2022, 14, 1699.	1.1	5
4977	Non-linear optical behaviour and antibacterial activity of semi-organic picolinic acid zinc sulphate single crystal. Materials Today: Proceedings, 2022, , .	0.9	1
4978	Direct observation of geometric and sliding ferroelectricity in an amphidynamic crystal. Nature Materials, 2022, 21, 1158-1164.	13.3	71
4979	$(\text{Na}_{0.74}\text{Ag}_{1.26})\text{BaSnS}_{4}$: A New AgGaS_{2} -Type Nonlinear Optical Sulfide with a Wide Band Gap and High Laser Induced Damage Threshold. Chemistry - A European Journal, 2022, 28, .	1.7	9
4980	Simultaneous Second Harmonic Generation and multiphoton excited photoluminescence in anatase TiO_{2} nano powders. Optical Materials, 2022, 132, 112857.	1.7	1
4981	Bulk growth and portrayal investigation of 2,4,6-trinitrophenol crystal for nonlinear optical, electro-optic appliances. Optics and Laser Technology, 2022, 156, 108556.	2.2	7
4982	Crystal growth and physicochemical characterization of urea doped 4-methoxyaniline (U-4MOA) single crystals for NLO and antimicrobial applications. Journal of Molecular Structure, 2022, 1270, 133841.	1.8	1
4983	Third-order nonlinear optical studies of Bis(4-methylbenzylammonium) tetrachloridocuprate metal-organic crystal with optical limiting behavior: Experimental and theoretical investigations. Journal of Molecular Structure, 2022, 1269, 133827.	1.8	6
4984	Flux crystal growth of rubidium-iron silicates and germanates and their ion-exchange using alkali nitrate salts. Solid State Sciences, 2022, 132, 106995.	1.5	0

#	ARTICLE	IF	CITATIONS
4985	Homochiral coordination polymers of Zn(II) and Pb(II) with interesting three-dimensional helicates. <i>Journal of Solid State Chemistry</i> , 2022, 315, 123527.	1.4	2
4986	Design of a new ultraviolet nonlinear optical material $\text{KNO}_3\text{SO}_3\text{NH}_3$ exhibiting an unexpected strong second harmonic generation response. <i>Materials Today Physics</i> , 2022, 28, 100849.	2.9	19
4987	Growth, SHG, Z-scan, optical limiting and quantum chemical investigation of hexamethylenetetraminium hydrogen DL-malate "An organic crystal for optoelectronic applications. <i>Materials Chemistry and Physics</i> , 2022, 291, 126712.	2.0	3
4988	A sodium tantalum phosphate with a noncentrosymmetric structure: $\text{Na}_5\text{Ta}_8\text{P}_5\text{O}_{35}$. <i>Journal of Solid State Chemistry</i> , 2022, 315, 123544.	1.4	2
4989	Structural and optical properties of salicyl-N-methyl-4-stilbazolium tosylate: Thermal, DFT, MEP and Hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , 2023, 1271, 134072.	1.8	16
4990	DFT studies of electronic and nonlinear optical properties of a novel class of excess electron compounds based on multi-alkali metal atoms-doped Janus face $\text{C}_{13}\text{H}_{10}\text{F}_{12}$. <i>New Journal of Chemistry</i> , 2022, 46, 15334-15343.	1.4	3
4991	A_2PS_4 (A = K, Na/K): the first-type of noncentrosymmetric alkali metal Ag-based thiophosphates exhibiting excellent second-order nonlinear optical performances. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4990-4998.	3.0	13
4992	Li-free ternary sulphide $\text{Cs}_5\text{Ga}_9\text{S}_{16}$ with excellent nonlinear optical performance similar to classic LiGa_2S_4 . <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4624-4631.	3.0	4
4993	Analysis on computational and ocular criteria of $(\text{NH}_2\text{CH}_2\text{COOH})_3\cdot\text{H}_2\text{SO}_4$ crystals. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
4994	Cs_2VOF_4 (IO_2F_2): Rationally designing a noncentrosymmetric early-transition-metal fluoroiodate. <i>Journal of Materials Chemistry C</i> , 2022, 10, 12197-12201.	2.7	13
4995	$\text{Li}_3[\text{Al}(\text{PO}_4)_2](\text{H}_2\text{O})_{1.5}$ and $\text{Na}[\text{AlP}_2\text{O}_7]$: from 2D layered polar to 3D centrosymmetric framework structures. <i>CrystEngComm</i> , 2022, 24, 6917-6924.	1.3	2
4996	$\text{Ba}_4\text{Ag}_5(\text{IO}_3)_6(\text{I}_3\text{O}_8)_3(\text{I}_4\text{O}_{10})$ a nonlinear optical crystal containing two types of polyiodate anions. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 5917-5925.	3.0	8
4997	Halogen regulation triggers structural transformation from centrosymmetric to noncentrosymmetric switches in tin phosphate halides $\text{Sn}_2\text{PO}_4\text{X}$ (X = F, Cl). <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4705-4713.	3.0	19
4998	Phase matching achieved by isomorphous substitution in IR nonlinear optical material $\text{Ba}_2\text{SnSi}_2\text{O}_7$ with an undiscovered $[\text{SnO}_4\text{S}]$ functional motif. <i>Materials Chemistry Frontiers</i> , 2022, 6, 3054-3061.	3.2	26
4999	$[\text{ASr}_4\text{Cl}][\text{Ge}_3\text{S}_{10}]$ (A = Na, K) and $[\text{KBa}_4\text{Cl}][\text{Ge}_3\text{S}_{10}]$: new salt-inclusion infrared nonlinear optical crystals with zero-dimensional $[\text{Ge}_3\text{S}_9]$ clusters. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 5932-5940.	3.0	16
5000	The exploration of new infrared nonlinear optical crystals based on the polymorphism of BaGa_4S_7 . <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4632-4641.	3.0	14
5001	A novel 2-(aminomethyl)pyridine H_2PO_4 crystal with second-order nonlinear optical performance. <i>CrystEngComm</i> , 2022, 24, 6232-6238.	1.3	4
5002	$\text{BaSc}_2(\text{HPO}_3)_4(\text{H}_2\text{O})_2$: a new nonlinear optical phosphite exhibiting a 3D $\{\text{Sc}_2(\text{HPO}_3)_4\}^{\sim 2}$ anionic framework and phase-matchable SHG effect. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 5377-5385.	3.0	14

#	ARTICLE	IF	CITATIONS
5003	Recent advances in tellurite molybdate/tungstate crystals. <i>CrystEngComm</i> , 2022, 24, 7516-7529.	1.3	7
5004	Ba ₂ [WO ₃ F(IO ₃)] ₃ F ₂ : the first polar fluorinated tungsten iodate featuring a direct W–O–I bond. <i>Dalton Transactions</i> , 2022, 51, 14036-14040.	1.6	3
5005	Aligned chromophores in a host–guest MOF crystal for switchable polarized nonlinear optical response. <i>Journal of Materials Chemistry C</i> , 2022, 10, 14915-14920.	2.7	11
5006	APb ₂ (C ₇ H ₃ NO ₄) ₂ I (A = K, Rb, Cs): rare stable nonlinear optical crystals with second-harmonic generation response and highly distorted lead core coordination polyhedra. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	2
5007	Rational design via dual-site aliovalent substitution leads to an outstanding IR nonlinear optical material with well-balanced comprehensive properties. <i>Chemical Science</i> , 2022, 13, 10725-10733.	3.7	34
5008	Bridging oxygen atoms in trigonal prism units driven strong second-harmonic-generation efficiency in Sr ₃ Ge ₂ O ₄ Te ₃ . <i>Chemical Communications</i> , 2022, 58, 11167-11170.	2.2	10
5009	Second Harmonic Generation Behavior of Two New <i>d</i> -Ribose/ <i>d</i> -Fructose and Metal Halogenide-Based Coordination Compounds and Comparison to <i>d</i> -Fructose and <i>d</i> -Galactose Analogues: An Experimental and Theoretical Approach. <i>Crystal Growth and Design</i> , 2022, 22, 5923-5934.	1.4	0
5010	Resolving the Problems of the Past: Reinvestigation of the Structure of Acentric Deep UV BaB ₈ O ₁₃ Borate. <i>Crystal Growth and Design</i> , 2022, 22, 6267-6274.	1.4	2
5011	New organic 4-(<i>d</i> -methoxystyryl)-4-methylpyridinium crystals for nonlinear optical applications. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 1247-1253.	1.0	3
5012	[C(NH ₂) ₃] ₂ MoO ₂ F ₄ ·H ₂ O: Unique Chinese-Knot Structure Revealing Superior Nonlinear-Optical Properties. <i>Inorganic Chemistry</i> , 2022, 61, 14523-14527.	1.9	8
5013	KC ₉ H ₅ O ₆ (H ₂ O): A Promising UV Nonlinear-Optical Material with Large Birefringence Based on a π -Conjugated (C ₉ H ₅ O ₆) [−] Group. <i>Inorganic Chemistry</i> , 2022, 61, 14880-14886.	1.9	4
5014	Hybrid Germanium Bromide Perovskites with Tunable Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	26
5015	Synthesis, crystal growth and characterization of organic nonlinear optical materials methoxy-N,N-diphenylbenzamides. <i>Chemical Papers</i> , 2023, 77, 703-717.	1.0	8
5016	Simple yet extraordinary: Super-polyhedra-built 3D chalcogenide framework of Cs ₅ Ga ₉ S ₁₆ with excellent infrared nonlinear optical performance. <i>Chinese Chemical Letters</i> , 2023, 34, 107838.	4.8	11
5017	PbBi ₂ (SeO ₃) ₂ F and Pb ₂ Bi ₂ (SeO ₃) ₂ Cl ₃ : Coexistence of Three Kinds of Stereochemically Active Lone-Pair Cations Exhibiting Excellent Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2022, 61, 15368-15376.	1.9	19
5018	Ag ₄ SnGe ₂ S ₇ : A Noncentrosymmetric Chalcogenide in I [−] IV ₂ VI ₇ System with Non-Diamond-Like Structure Featuring 1D π -[SnGe ₂ S ₈] [−] Infinite Chain. <i>Inorganic Chemistry</i> , 2022, 61, 15303-15309.	1.9	0
5019	Hybrid Germanium Bromide Perovskites with Tunable Second Harmonic Generation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
5020	ä, %...fAGa ₅ S ₈ (A = K, Rb, Cs): éçšž†â€œä, €æ¿åšâ–ä»£â€–ç–¥ã†ã†çš, ç°câ–éžç°;æ€šä...%ã†æe–™. <i>Science China Materials</i> , 2022, 15, 100000.	1.0	0

#	ARTICLE	IF	CITATIONS
5039	Growth, characterization and spectroscopy studies of Co(II)-doped TTNC crystals. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0
5040	Design, synthesis, structural characterization, non-linear optical and computational studies of some 3t-butyl-2r,6c-diarylpiperidin-4-on-1-ium picrates. <i>Journal of Molecular Structure</i> , 2023, 1274, 134476.	1.8	0
5041	RE(OH) ₂ NO ₃ (RE = Tb, Dy, Ho, and Er): Synthesis and Nonlinear Optical Properties of Water-Resistant Lanthanide Hydroxide Nitrates. <i>Inorganic Chemistry</i> , 2022, 61, 18162-18169.	1.9	5
5042	Experimental and theoretical investigations of Ethyltriphenylphosphonium bromide dihydrate crystal for optical applications. <i>Results in Optics</i> , 2022, 9, 100313.	0.9	0
5043	Growth, optical, mechanical, dielectric properties of UV-nonlinear optical single-crystal of [(NH ₄)(Cd(NCS) ₃)]·C ₁₂ H ₂₄ O ₆ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 286, 116053.	1.7	1
5044	Nonlinear optical behaviour of bis (cytosinium) tartarate monohydrate single crystal. <i>Chemical Physics Impact</i> , 2022, 5, 100114.	1.7	1
5045	Direction dependent crystalline perfection, Z-scan studies and fabrication of Type-I and Type-II SHG elements using imidazolium L-tartrate crystals for optical modulator applications. <i>Journal of Physics and Chemistry of Solids</i> , 2023, 172, 111065.	1.9	1
5046	Supramolecular architecture and SHG activity of organic crystals formed between the amidinothiourea and nicotinic acid. <i>Journal of Molecular Structure</i> , 2023, 1273, 134385.	1.8	3
5047	A High-Performance Nonlinear Optical Crystal with a Building Block Containing Expanded π -Conjugation. <i>Angewandte Chemie</i> , 0, , .	1.6	1
5048	K ₃ C ₆ N ₇ O ₃ ·2H ₂ O: A Multifunctional Nonlinear Optical Cyamelurate Crystal with Colossal π -Conjugated Orbitals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 53074-53080.	4.0	14
5049	Molecular structure and third-order non-linear optical properties of two novel tetralone-based chalcone derivatives: Promising materials for optical limiting applications. <i>Journal of Physics and Chemistry of Solids</i> , 2023, 173, 111091.	1.9	4
5050	A High-Performance Nonlinear Optical Crystal with a Building Block Containing Expanded π -Conjugation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	21
5051	LiAlS ₂ : A promising infrared frequency-conversion material with ultrawide band gap and high laser-induced damage threshold. <i>Science China Materials</i> , 2023, 66, 1189-1196.	3.5	6
5052	Linear and nonlinear optical properties of trigonal borate crystals K ₇ MIn _{2-x} Ybx(B ₅ O ₁₀) ₃ (M = Ca, Sr.) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	2.8	6
5053	Achieving Large Second Harmonic Generation Effects via Optimal Planar Alignment of Triangular Units. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	16
5054	Defect engineering of second-harmonic generation in nonlinear optical semiconductors. <i>Cell Reports Physical Science</i> , 2022, 3, 101111.	2.8	7
5055	Exploring Short-Wavelength Phase-Matching Nonlinear Optical Crystals by Employing KBe ₂ BO ₃ F ₂ as the Template. <i>ACS Central Science</i> , 2022, 8, 1557-1564.	5.3	29
5056	Growth, Structure, and Optical Properties of a Nonlinear Optical Niobium Borate Crystal CsNbOB ₂ O ₅ with Distorted NbO ₅ Square Pyramids. <i>Inorganic Chemistry</i> , 2022, 61, 19302-19308.	1.9	6

#	ARTICLE	IF	CITATIONS
5057	New Lanthanum coordination complex with high second harmonic generation: Growth, Crystal Structure and physicochemical Characterization. <i>Journal of Organometallic Chemistry</i> , 2022, , 122560.	0.8	0
5058	A ^I B ₃ C ^{II} D ₃ E ^{III} F ₈ G ^{VI} : A New Family for the Design of Infrared Nonlinear Optical Materials by Coupling Octahedra and Tetrahedra Units. <i>Journal of the American Chemical Society</i> , 2022, 144, 21916-21925.	6.6	54
5059	Aln ₃ Si ₄ P ₉ (A = Ca, Sr): quaternary phosphides with double-helix structures exhibiting high laser-induced damage thresholds. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1112-1118.	3.0	3
5060	Rb ₂ CdSi ₄ S ₁₀ : novel [Si ₄ S ₁₀] T ₂ -supertetrahedra-contained infrared nonlinear optical material with large band gap. <i>Materials Horizons</i> , 2023, 10, 619-624.	6.4	33
5061	New lead-iodide formates with a strong second-harmonic generation response and suitable birefringence obtained by the substitution strategy. <i>Chemical Science</i> , 2022, 14, 136-142.	3.7	3
5062	Na ₂ (C ₄ O ₄)(H ₃ BO ₃)(H ₂ O) ₄ ·H ₃ SO ₄ : the first borate-sulfate with strong SHG response obtained by superior synergy. <i>Chemical Communications</i> , 2022, 59, 219-222.	2.2	5
5063	Cd(NH ₂ SO ₃) ₂ ·xH ₂ O (x = 0, 2): new sulfamates with a unique coordination environment and reversible phase transitions. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1411-1420.	3.0	6
5064	LiRE(SO ₄) ₂ (RE = Y, Gd, Eu): noncentrosymmetric chiral rare-earth sulfates with very large band gaps. <i>Materials Chemistry Frontiers</i> , 2022, 7, 65-71.	3.2	4
5065	Characteristics of structure, thermal stability and optical properties for a novel NLO crystal (C ₅ H ₁₂ NO)H ₂ PO ₄ . <i>Optical Materials</i> , 2023, 135, 113225.	1.7	3
5066	Sn(II)-doped one-dimensional hybrid metal halide [C ₅ H ₁₄ NO]CdCl ₃ single crystals with broadband greenish-yellow light emission. <i>Dalton Transactions</i> , 2023, 52, 1021-1029.	1.6	8
5067	β-P ₄ S ₃ I ₂ : a new metal-free infrared second-order nonlinear optical crystal designed by polymorphism strategy. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1119-1126.	3.0	9
5068	Crystal growth, Hirshfeld surface, quantum chemical calculations, optical, photoluminescence and thermal analyses of sodium D-isoascorbate monohydrate single crystal. <i>Journal of Molecular Structure</i> , 2023, 1275, 134637.	1.8	5
5069	Studies on mechanical, dielectric and SHG efficiencies of undoped and Neodymium doped KDP crystals. <i>Materials Today: Proceedings</i> , 2023, 74, 815-819.	0.9	1
5070	Isostructural Crystals of Bis(Guanidinium) Trioxofluoro-Phosphate/Phosphite in the Ratio 1/0, 0.716/0.284, 0.501/0.499, 0.268/0.732, 0/1 "Crystal Structures, Vibrational Spectra and Second Harmonic Generation. <i>Crystals</i> , 2022, 12, 1694.	1.0	2
5072	Homochiral Metallohelicates Based on Zinc(II) and Cadmium(II) Clusters with Excellent Thermostability and Remarkable Second-Harmonic Generation. <i>Crystal Growth and Design</i> , 2022, 22, 7331-7338.	1.4	1
5073	AeMg ₆ Ga ₆ S ₁₆ (Ae = Ca, Sr, Ba): The First Double Alkaline Earth Metal Chalcogenides with Excellent Performances. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	8
5074	From Ba ₃ Nb ₂ O ₂ F ₁₂ (H ₂ O) ₂ to Ba _{0.5} NbO ₂ F ₂ (H ₂ O): Achieving Balanced Nonlinear Optical Performance by O/F Ratio Regulation. <i>Inorganic Chemistry</i> , 2022, 61, 20709-20715.	1.9	7
5075	Enhanced Second-Harmonic-Generation Response in a KH ₂ PO ₄ -Type Calcium Nitrate Carboxylate with Unusual Three-Dimensional Inorganic and Organic Connections. <i>Inorganic Chemistry</i> , 2022, 61, 20243-20247.	1.9	1

#	ARTICLE	IF	CITATIONS
5076	Rb ₃ B ₁₁ P ₂ O ₂₃ : Materials Design of a New Chemically Benign Deep-Ultraviolet Nonlinear Optical Material. , 2023, 5, 155-161.		15
5077	Dichlorinated Organicâ€Salt Terahertz Sources for THz Spectroscopy. Advanced Optical Materials, 0, , 2202027.	3.6	1
5078	The Antiperovskiteâ€Type Oxychalcogenides Ae ₃ Q[GeOQ ₃] (Ae = Ba, Sr; Q = S, Se) with Large Second Harmonic Generation Responses and Wide Band Gaps. Advanced Science, 2023, 10, .	5.6	23
5079	Na ₂ Ba[Na ₂ Sn ₂ S ₇]: Structural Tolerance Factorâ€Guided NLO Performance Improvement. Angewandte Chemie, 2023, 135, .	1.6	0
5080	KREP ₂ Se ₆ (RE = Sm, Gd, Tb): The First Rareâ€Earth Selenophosphates with Remarkable Nonlinear Optical Activities Realized by Synergistic Effect of REâ€and Pâ€Based Motifs. Small, 2023, 19, .	5.2	13
5081	Multifunctional Cu ₂ TSiS ₄ (T = Mn and Fe): Polar Semiconducting Antiferromagnets with Nonlinear Optical Properties. Inorganic Chemistry, 2023, 62, 530-542.	1.9	2
5082	Ba ₅ Ga ₂ SiO ₄ S ₆ : a Phase-Matching Nonlinear Optical Oxychalcogenide Design via Structural Regulation Originated from Heteroanion Introduction. Inorganic Chemistry, 2023, 62, 464-473.	1.9	12
5083	Organometallic l-alanine cadmium iodide crystals for optical device fabrication. Journal of Electronic Science and Technology, 2022, 20, 100178.	2.0	2
5084	Pr ₃ Mo ₄ B ₆ O ₂₄ (OH) ₃ : Highâ€Pressure/Highâ€Temperature Synthesis of an Acentric Rare Earth Molybdenum Borate. European Journal of Inorganic Chemistry, 2023, 26, .	1.0	1
5085	Trade-Off for Better Balanced Nonlinear Optical Performance with Disordered Si in ZnGeP ₂ . Chemistry of Materials, 2022, 34, 11007-11013.	3.2	3
5086	LiNaB ₆ O ₉ F ₂ : A Promising UV NLO Crystal Having Fluorineâ€Directed Optimal Performances and Double Interpenetrating ³ [B ₆ O ₉ F ₂] ₂ Networks. Advanced Optical Materials, 2023, 11, .	3.6	11
5087	Na ₂ Ba[Na ₂ Sn ₂ S ₇]: Structural Tolerance Factorâ€Guided NLO Performance Improvement. Angewandte Chemie - International Edition, 2023, 62, .	7.2	15
5088	Enrich the blue luminescent property of 2,3,5,6 tetramethyl pyrazine with 5-chloro salicylic acid CO-crystal. Molecular Crystals and Liquid Crystals, 2023, 758, 80-96.	0.4	0
5089	K2CdGe3S8: A New Infrared Nonlinear Optical Sulfide. Symmetry, 2023, 15, 236.	1.1	1
5090	Hydrogen-bonded structure and optical nonlinearities in the proton-transfer complex of 8-hydroxy-5-nitroquinoline with $\ddot{\text{I}}$ -toluenesulfonic acid. Structural Chemistry, 2023, 34, 1801-1815.	1.0	0
5091	A Cation-Driven Approach toward Deep-Ultraviolet Nonlinear Optical Materials. Research, 2023, 6, .	2.8	5
5092	KNO ₃ â€3H ₂ SeO ₃ and NaHSeO ₃ â€3H ₂ SeO ₃ : Two non-centrosymmetric co-crystals. Solid State Sciences, 2023, 137, 107116.	1.5	1
5093	Intense <i>dâ€p</i> Hybridization in Nb ₃ O ₁₅ Tripolymer Induced the Largest Second Harmonic Generation Response and Birefringence in Germanates. Angewandte Chemie, 2023, 135, .	1.6	3

#	ARTICLE	IF	CITATIONS
5094	Deep Eutectic Solvents Synthesis of $A_{2-x}Sb_x(C_{2-x}O_4)_3$ ($A = NH_4, K, Rb$) with Superior Optical Performance. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	10
5095	Nonlinear Optical Glass-Ceramic From a New Polar Phase-Transition Organic-Inorganic Hybrid Crystal. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
5096	Optical and terahertz characterisation of efficient NLO single crystal: (E)-2-(4-(dimethyl amine)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66	0.6	4
5097	Nonlinear Optical Glass-Ceramic From a New Polar Phase-Transition Organic-Inorganic Hybrid Crystal. <i>Angewandte Chemie</i> , 0, , .	1.6	1
5098	Intense d_{sp} Hybridization in Nb_3O_{15} Tripolymer Induced the Largest Second Harmonic Generation Response and Birefringence in Germanates. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
5099	Expanding gaudfroyite family to $Sr_2MBi(REEO)_3(BO_3)_4$ ($M = Ca, Sr, Ba$; $REE = Y, Eu$) borates with large second harmonic generation responses. <i>Ceramics International</i> , 2023, , .	2.3	2
5100	Polar Phosphorus Chalcogenide Cage Molecules: Enhancement of Nonlinear Optical Properties in Adducts. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
5101	Oxalic acid incorporated acetamide single crystal growth dynamics, characterization, NLO and antimicrobial activities via shock wave treatment. <i>Results in Chemistry</i> , 2023, 5, 100790.	0.9	4
5102	From Ag_2TeO_2F and $Ag_2(TeO_2F)_2$ to $Ag_3F_3(TeF_6)(TeO_2)_2$: the first silver tellurite oxyfluorides with linear and nonlinear optical properties. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1328-1337.	3.0	11
5103	$K_5Eu(MoO_4)_4$ red phosphor for solid state lighting applications, prepared by different techniques. <i>CrystEngComm</i> , 2023, 25, 835-847.	1.3	3
5104	Revisiting two thiophosphate compounds constituting d^{10} transition metal HfP_2S_6 and d^{10} transition metal $\bar{1}\pm Ag_4P_2S_6$ as multifunctional materials for combining second harmonic generation response and photocurrent response. <i>CrystEngComm</i> , 2023, 25, 1175-1185.	1.3	4
5105	Polar Phosphorus Chalcogenide Cage Molecules: Enhancement of Nonlinear Optical Properties in Adducts. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
5106	Toward Large Second-Harmonic Generation and Deep-UV Transparency in Strongly Electropositive Transition Metal Sulfates. <i>Journal of the American Chemical Society</i> , 2023, 145, 3040-3046.	6.6	29
5107	Synthesis and characterization of NLO polymers: An overview. <i>Materials Today: Proceedings</i> , 2023, 83, 14-18.	0.9	0
5108	New Modification of Polar Nonlinear Optical Iodate Fluoride $PbF(IO_3)$, the Family $MX(IO_3)$, $M = Bi, Ba, Pb$, $X = O, F, (OH)$ Related to Aurivillius Phases and Similar Iodates. <i>Symmetry</i> , 2023, 15, 100.	1.1	2
5109	d^{6} versus d^{10} , Which Is Better for Second Harmonic Generation Susceptibility? A Case Study of $K_2TGe_3Ch_8$ ($T = Fe, Cd$; $Ch = S, Se$). <i>Inorganic Chemistry</i> , 2023, 62, 574-582.	1.9	6
5110	$Ba_{3.5}Cu_{7.55}In_{1.15}Se_9$: A Wide-Bandgap Copper Indium Selenide Reveals Strong Luminescence and Third-Harmonic Generation. <i>Inorganic Chemistry</i> , 2023, 62, 1570-1579.	1.9	0
5111	$C(NH_2)_3(I_3O_8)(HI_3O_8)(H_2I_2O_2)$ An Unprecedented Asymmetric Guanidinium Polyiodate with a Strong Second-Harmonic-Generation Response and a Wide Band Gap. <i>Inorganic Chemistry</i> , 2023, 62, 1323-1327.	1.9	7

#	ARTICLE	IF	CITATIONS
5112	Two non-centrosymmetric mixed alkali metal and alkaline earth metal scandium borate nonlinear optical materials with short ultraviolet cutoff edges. Dalton Transactions, 2023, 52, 3344-3350.	1.6	5
5113	Phase Competition and Strong SHG Responses of the $\text{Li}_2\text{M}_2\text{IVSe}_4$ Family: Atom Response Theory Predictions versus Experimental Results. Chemistry of Materials, 2023, 35, 1159-1167.	3.2	2
5114	Resolving old problems with layered polytungstates related to hexagonal tungsten bronze: phase formation, structures, crystal chemistry and some properties. Dalton Transactions, 2023, 52, 2770-2785.	1.6	1
5115	Investigations on the synthesis and growth and structural, spectral, optical, mechanical and thermal properties of non-linear optical single crystals of Bis-L-Seriniumoxalate Dihydrate (BLSOD)., 2023, 19, 43-52.		2
5116	The Kurtz-Perry Powder Technique Revisited: A Study of the Effect of Reference Selection on Powder Second-Harmonic Generation Response. Molecules, 2023, 28, 1116.	1.7	3
5117	Two Acentric Aluminoborates Incorporated d_{10} Cations: Syntheses, Structures, and Nonlinear Optical Properties. Inorganic Chemistry, 2023, 62, 1264-1271.	1.9	10
5118	Protonation of Imino Moiety in Aminoguanidine by Heterolytic O-H Bond Cleavage on Phthalic Acid: Theoretical, Experimental and DNA Binding Studies. Asian Journal of Chemistry, 2023, 35, 406-416.	0.1	0
5119	Crystal growth and properties of pure L-alanine and boric acid doped L-alanine nonlinear optical single crystals for frequency conversion. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	0
5120	Evaluating refractive index and birefringence of nonlinear optical crystals: Classical methods and new developments. , 2023, 42, 100017.		13
5121	Second Harmonic Generation in the Polar $\text{A}^2\text{SmNb}_2\text{O}_7$ ($\text{A}^2 = \text{Rb}, \text{Cs}$) Dion-Jacobson Layered Perovskites. Chemistry of Materials, 2023, 35, 1249-1258.	3.2	1
5122	Polar Bismuth Selenite Iodate Oxide BiSeIO_6 with Three Types of Lone Pair Cations in One Structure. Inorganic Chemistry, 2023, 62, 2887-2893.	1.9	2
5123	Crystal growth, optoelectronic and biological properties of acetamidinium compounds: experimental and computational approaches. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	5
5124	Synthesis and characterization of a new isoxazolone-based nonlinear optical crystal: MPMOI. CrystEngComm, 2023, 25, 1313-1318.	1.3	4
5125	Structure and Characterization of $\text{K}_2\text{Na}_3\text{B}_2\text{P}_3\text{O}_{13}$, a New Nonlinear Optical Borophosphate with One-Dimensional Chain Structure and Short Ultraviolet Cutoff Edge. Inorganic Chemistry, 2023, 62, 2480-2488.	1.9	2
5126	$[\text{M}(\text{OH})_2]_3(\text{IO}_3)_3(\text{SeO}_4)_2 \cdot \text{H}_2\text{O}$ (M = Ga and Tl) ETQq0 0 0 rgBT /Overlo Inorganic Chemistry Frontiers, 2023, 10, 3121-3130.	3.0	3
5127	Low temperature molten salt synthesis of noncentrosymmetric $(\text{NH}_4)_3\text{SbF}_3(\text{NO}_3)_3$ and centrosymmetric $(\text{NH}_4)_3\text{SbF}_4(\text{NO}_3)_2$. Inorganic Chemistry Frontiers, 2023, 10, 2107-2114.	3.0	6
5128	Constructing ultraviolet nonlinear optical crystals with large second harmonic generation and short absorption edges by using polar tetrahedral S_2O_3 groups. Inorganic Chemistry Frontiers, 2023, 10, 2811-2817.	3.0	8
5129	Tuning the 1D-2D dimensionality upon ligand exchange in silver thiolate coordination polymers with photoemission switch. Journal of Materials Chemistry B, 0, , .	2.9	0

#	ARTICLE	IF	CITATIONS
5130	AIO ₃ ·H ₆ TeO ₆ (A = NH ₄ ⁺ , Rb ⁺): Two telluric acid and iodate Co-crystalline compounds with second harmonic generation response. , 2023, 42, 100025.		2
5131	Li ₃ B ₈ O ₁₃ X (X = Cl and Br): Two New Noncentrosymmetric Crystals with Large Birefringence Induced by BO ₃ Units. Inorganic Chemistry, 2023, 62, 3609-3615.	1.9	6
5132	Elucidating the structure-nonlinear optical property relationship of Te ₂ O ₄ (OH) ₂ . Materials Today Physics, 2023, 34, 101075.	2.9	5
5133	K ₂ (H ₂ O)WO ₃ F ₂ : A new nonlinear optical material with remarkable second-harmonic generation response and enhanced laser damage threshold. Journal of Alloys and Compounds, 2023, 945, 169288.	2.8	2
5134	Investigation on the growth, characterization and computational analysis of 2-Amino-2-thiazoline single crystals. Chemical Physics Impact, 2023, 6, 100187.	1.7	1
5135	Design, synthesis and characterization of organic second-order nonlinear optical crystal materials DOBS. Journal of Molecular Structure, 2023, 1282, 135237.	1.8	1
5136	Nonlinear optical crystals KPb ₃ (3-C ₅ H ₄ NCOO) ₂ Br ₅ and KPb ₃ (3-C ₅ H ₄ NCOO) ₂ Cl ₃ Br ₂ with new Pb-centered nitrogen-halide polyhedrons obtained by the halide anionic substitution. Journal of Alloys and Compounds, 2023, 951, 169945.	2.8	0
5137	Synthesis, physico-chemical characterization and quantum chemical studies of 2, 3-dimethyl quinoxalium-5-sulphosalicylate crystal. Journal of Molecular Structure, 2023, 1285, 135425.	1.8	2
5138	The induced polarization enhanced birefringence in AlPS ₄ family: A first-principles investigation. Chemical Physics Letters, 2023, 822, 140496.	1.2	1
5139	Dual fluorescence and RTP features of carbazole-cyclic triimidazole derivatives: The fluorophores™ connectivity does matter. Dyes and Pigments, 2023, 215, 111274.	2.0	2
5140	LnLiSi ₄ (Ln = La and Ce): Promising infrared nonlinear optical materials designed by aliovalent substitution from SrCdSi ₄ . Materials Today Physics, 2023, 31, 100987.	2.9	9
5141	Deep-ultraviolet nonlinear-optical crystal BaNa ₂ [PO ₃ (OH)] ₂ with large birefringence and strong second-harmonic-generation response. , 2023, 42, 100015.		2
5142	Influence of succinic acid species on structural, spectroscopic,optical, Z-scan, frequency doubling, photoconductivity and antibacterial properties of glycine single crystals. Digest Journal of Nanomaterials and Biostructures, 2023, 18, 55-68.	0.3	0
5143	Covalent Organic Frameworks as Emerging Nonlinear Optical Materials. Angewandte Chemie, 2023, 135, .	1.6	2
5144	Covalent Organic Frameworks as Emerging Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2023, 62, .	7.2	4
5145	Synthesis and optical characterizations of l-phenylalanine lithium sulphate (LPLS) semi-organic single crystal. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	7
5146	A Rare Earth Selenite with Unexpectedly Well Balanced Ultraviolet Nonlinear Optical Functionality, Sc(HSeO ₃) ₃ . Small, 2023, 19, .	5.2	12
5147	Controlling the Nonlinear Optical Behavior and Structural Transformation with A Site Cation in $\hat{I}\pm\hat{A}ZnPO_4$ (A=Li, K). Small, 2023, 19, .	5.2	5

#	ARTICLE	IF	CITATIONS
5148	Rational Design of a Rare-Earth Oxychalcogenide $\text{Nd}_3[\text{Ga}_3\text{O}_3\text{S}_3][\text{Ge}_2\text{O}_7]$ with Superior Infrared Nonlinear Optical Performance. <i>Small</i> , 2023, 19, .	5.2	28
5149	Second harmonic in reflection in material science of ferroelectrics. , 1994, , .		2
5150	The Linear and Nonlinear Optical Properties of the Organic Material (+)2-(\pm -methylbenzylamino)-5-nitropyridine (MBA-NP). , 1992, , .		0
5151	Melilite oxychalcogenide $\text{Sr}_2\text{FeGe}_2\text{OS}_6$: a phase-matching IR nonlinear optical material realized by isomorphous substitution. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2030-2038.	3.0	14
5152	A non-centrosymmetric chalcogenide synthesized through the combination of chemical tailoring with aliovalent substitution. <i>Chemical Communications</i> , 2023, 59, 3309-3312.	2.2	6
5153	A new polar alkaline earth "rare earth iodate: $\text{Ba}_2\text{Ce}(\text{IO}_3)_8(\text{H}_2\text{O})$. <i>Dalton Transactions</i> , 2023, 52, 4423-4428.	1.6	0
5154	Alignment of \hat{L} -Shaped Basic Building Units to Construct One New $\text{KMoO}_3(\text{IO}_3)$ Polar Polymorph. <i>Inorganic Chemistry</i> , 2023, 62, 3896-3903.	1.9	6
5155	$[\text{K}_2\text{PbX}][\text{Ga}_7\text{S}_{12}]$ ($X = \text{Cl, Br, I}$): The First Lead-Containing Cationic Moieties with Ultrahigh Second-Harmonic Generation and Band Gaps Exceeding the Criterion of 2.33 eV. <i>Advanced Science</i> , 2023, 10, .	5.6	15
5156	Structure and optical property evolution in $\text{PbM}(\text{PO}_4)_X$ ($M = \text{Zn, Sn}$; $X = \text{halogen}$): SHG effect and birefringence. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2268-2275.	3.0	2
5157	Microporous framework polar silicate-germanates with a wide isomorphous substitution: $(\text{K}_{2.9}\text{Cs}_{0.1})(\text{Sc}_{0.7}\text{In}_{0.3})[(\text{Si}_{2.95}\text{Ge}_{0.05})\text{O}_9]$ and $(\text{K}_{2.16}\text{Cs}_{0.84})\text{Bi}[(\text{Si}_{1.5}\text{Ge}_{1.5})\text{O}_9]\cdot\text{H}_2\text{O}$. <i>Zeitschrift für Kristallographie - Crystalline Materials</i> , 2023, .	0.4	0
5158	$[\text{C}(\text{NH}_2)_2]_2\text{NHNO}_2[\text{C}(\text{NH}_2)_3](\text{NO}_3)_2$: A Mixed Organic Cationic Hybrid Nitrate with an Unprecedented Nonlinear-Optical-Active Unit. <i>Inorganic Chemistry</i> , 2023, 62, 4757-4761.	1.9	7
5159	Open honeycomb frameworks of sulphides $\text{AHg}_4\text{Ga}_5\text{S}_{12}$ ($A = \text{Rb, Tj}$) $\text{ETQq}_{1.1}0.7843_{1.6}14$ rgBT/O		
5160	Tetrahedron-based deep-ultraviolet nonlinear optical crystal with optimized $\text{KBe}_2\text{BO}_3\text{F}_2$ -like structure and disordered cations. <i>New Journal of Chemistry</i> , 0, , .	1.4	1
5161	Crystal Growth, Structural, Hirshfeld Surface, Computational, Nonlinear Optical and Photoluminescence Properties of Lithium D-isoascorbate Monohydrate Crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	2
5162	$\text{Sr}_6\text{Ge}_3\text{OSe}_{11}$: A Rationally Designed Noncentrosymmetric Oxyselenide with Polar $[\text{GeOSe}_3]$ Building Blocks. <i>Chemistry of Materials</i> , 2023, 35, 3033-3040.	3.2	6
5163	Unveiling the Superior Optical Properties of Novel Melamine-Based Nonlinear Optical Material with Strong Second-Harmonic Generation and Giant Optical Anisotropy. <i>Small</i> , 2023, 19, .	5.2	8
5164	Second-harmonic-generation of $[(\text{Se,Te})\text{Cl}_3]^{3+}[\text{GaCl}_4]^{2-}$ with aligned ionic tetrahedra. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2636-2644.	3.0	3
5165	Two-Dimensional Hybrid Dion-Jacobson Germanium Halide Perovskites. <i>Chemistry of Materials</i> , 2023, 35, 3265-3275.	3.2	15

#	ARTICLE	IF	CITATIONS
5166	Host-Guest Symmetry Matching in Two Crystalline Magnesium Sulfate Oxalates Obtained Via a Solvent-Free Route. <i>Inorganic Chemistry</i> , 2023, 62, 6202-6206.	1.9	4
5167	Investigation on the growth, structure and physical properties of pyridin-1-ium-2-carboxylate benzimidazole (1:1) hydrate single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	2
5168	Synthesis and characterization of L-asparagine monohydrate potassium dichromate (LAMPDC): novel material for optical limiting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	6
5169	μ -La(IO ₃) ₃ : A Polar Iodate with High Thermal Stability and a Large Second-Harmonic-Generation Response Obtained by a Supercritical Hydrothermal Method. <i>Inorganic Chemistry</i> , 2023, 62, 6565-6569.	1.9	2
5170	Remarkable phase-matchable second-harmonic generation realized by strong polarities of [PbSe ₃] and [GaSe ₄] functional motifs in PbGa ₄ Se ₇ . <i>Science China Materials</i> , 2023, 66, 2795-2802.	3.5	1
5171	Honeycomb layered topology construction for exceptional long-wave infrared nonlinear optical crystals. <i>Materials Horizons</i> , 2023, 10, 2876-2882.	6.4	5
5172	AgIn ₅ Se ₈ : a defect diamond-like non-linear optical selenide. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 3248-3254.	3.0	4
5187	Nonlinear photonics in glasses. , 2023, , 177-213.		0
5197	Growth and characterization of pure and doped LHPCL single crystal. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
5227	Host-Guest Symmetry and Charge Matching in Glycine-Templated Metal Sulfate Oxalates Obtained by a Solvent-Free Method. <i>Inorganic Chemistry</i> , 2023, 62, 8500-8504.	1.9	4
5237	Recent progress in borate-based short-wavelength nonlinear optical crystals with boron-oxygen skeleton modification. <i>Materials Chemistry Frontiers</i> , 2023, 7, 4683-4692.	3.2	2
5243	Solvent-free synthesis of magnesium phosphite-oxalates that show second-harmonic generation responses. <i>Dalton Transactions</i> , 2023, 52, 9899-9902.	1.6	1
5307	Synthesis and Studies of TTAHOT: Macro, Micro and Nano Crystalline Composite for Electronic and Bio-Medicinal Use. <i>Environmental and Microbial Biotechnology</i> , 2023, , 179-197.	0.4	0
5308	Growth and Characterizations of Red Bromide: The Pleochroism Based Crystals for Bio-Medicinal, Electronic and Mechano Uses. <i>Environmental and Microbial Biotechnology</i> , 2023, , 199-212.	0.4	0
5322	A lithium-scandium sulfate with second-harmonic generation response and deep-ultraviolet transparency. <i>Dalton Transactions</i> , 2023, 52, 14742-14746.	1.6	1
5355	[RbSr ₃][BS ₃] ₂ (X = Cl, Br): two salt-inclusion thioborates with large birefringence and structure transformation from centrosymmetric to asymmetric. <i>Chemical Communications</i> , 2023, 60, 118-121.	2.2	1
5377	Growth and characterization of bimetal(Co-Ni) doped ammonium dihydrogen phosphate single crystals. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
5393	Computational and experimental studies of nonlinear optical properties of acetohydrazide derivative. <i>AIP Conference Proceedings</i> , 2024, , .	0.3	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------