

Theo Siegrist

List of Publications by Year in descending order

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papers

27,044
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7096

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348
times ranked

19858
citing authors

#	ARTICLE	IF	CITATIONS
19	Ba ₃ CrN ₃ H: A New Nitride-Hydride with Trigonal Planar Cr ⁴⁺ . Inorganic Chemistry, 2019, 58, 3302-3307.	4.0	16
20	Microstructure of hard biocompatible Ti ^x Aux alloys. Materials Characterization, 2019, 149, 133-142.	4.4	11
21	Bulk Assembly of Corrugated 1D Metal Halides with Broadband Yellow Emission. Advanced Optical Materials, 2019, 7, 1801474.	7.3	65
22	Mini volume collapse as evidence for a three-body magnetic polaron in Sm ^x Eu _{1-x} S. Physical Review Materials, 2019, 3, .	2.4	1
23	Synthesis and Crystal Structure of the Layered Lanthanide Oxychlorides Ba ₃ Ln ₂ O ₅ Cl ₂ . Inorganic Chemistry, 2018, 57, 1727-1734.	4.0	9
24	Uncovering the Origin of Divergence in the CsM(CrO ₄) ₂ (M = La, Pr, Nd, Sm, Tj) ETQq0 0 0 rgBT /Overlock 10 Structure Analysis. Journal of the American Chemical Society, 2018, 140, 1674-1685.	13.7	14
25	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. Chemistry of Materials, 2018, 30, 2374-2378.	6.7	193
26	Low-Dimensional Organometal Halide Perovskites. ACS Energy Letters, 2018, 3, 54-62.	17.4	528
27	Quantum criticality among entangled spin chains. Nature Physics, 2018, 14, 273-276.	16.7	24
28	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. Chemical Science, 2018, 9, 586-593.	7.4	467
29	Weak ferromagnetism and glassy state in $\text{Ba}_3\text{Ln}_2\text{O}_5\text{Cl}_2$. Physical Review B, 2018, 98, .	13.7	14
30	Blue Emitting Single Crystalline Assembly of Metal Halide Clusters. Journal of the American Chemical Society, 2018, 140, 13181-13184.	13.7	183
31	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. ACS Energy Letters, 2018, 3, 1443-1449.	17.4	124
32	Lead-free halide double perovskite-polymer composites for flexible X-ray imaging. Journal of Materials Chemistry C, 2018, 6, 11961-11967.	5.5	96
33	Effects of chemical disorder in the itinerant antiferromagnet Ti ^x V _{1-x} Au. Journal of Physics Condensed Matter, 2018, 30, 365602.	1.8	1
34	Electrochemical Doping of Halide Perovskites with Ion Intercalation. ACS Nano, 2017, 11, 1073-1079.	14.6	118
35	Growth of EuO single crystals at reduced temperatures. Physical Review B, 2017, 95, .	3.2	2
36	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. Angewandte Chemie, 2017, 129, 9146-9150.	2.0	42

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37	Interacting nanoscale magnetic superatom cluster arrays in molybdenum oxide bronzes. <i>Nanoscale</i> , 2017, 9, 7922-7929.	5.6	6
38	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9018-9022.	13.8	242
39	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. <i>Nature Communications</i> , 2017, 8, 14051.	12.8	623
40	Temperature-dependent elasticity of $\text{Pb}(\text{CH}_3\text{NH}_3)_2\text{X}_2$. <i>Nature Communications</i> , 2017, 8, 14051.	3.2	3
41	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	7.4	76
42	Gel Growth of $\text{K}_2\text{PbCu}(\text{NO}_2)_6$ -Epsalite Single Crystals. <i>Crystal Growth and Design</i> , 2017, 17, 5170-5177.	3.0	2
43	Possible devil's staircase in the Kondo lattice CeSbSe . <i>Physical Review B</i> , 2017, 96, .	3.2	20
44	Quantum critical point in the Sc-doped itinerant antiferromagnet TiAu . <i>Physical Review B</i> , 2017, 95, .	3.2	8
45	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44579-44583.	8.0	174
46	Correlated electron state in CeCu_2Si_2 controlled through Si to P substitution. <i>Physical Review Materials</i> , 2017, 1, .	2.4	2
47	Electronic structure and magnetism in the layered triangular lattice compound CeAuAl_4 . <i>Physical Review Materials</i> , 2017, 1, .	3.2	2
48	Single Crystal Growth of URu_2Si_2 by the Modified Bridgman Technique. <i>Crystals</i> , 2016, 6, 128.	2.2	4
49	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2016, 2, 1600165.	5.1	25
50	Magnetic properties of doped Mn-Ga alloys made by mechanical milling and heat treatment. <i>AIP Advances</i> , 2016, 6, .	1.3	10
51	Uncovering the behavior of $\text{Hf}_2\text{Te}_2\text{P}$ and the candidate Dirac metal $\text{Zr}_2\text{Te}_2\text{P}$. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 14LT01.	1.8	10
52	Thermodynamic Measurement of Angular Anisotropy at the Hidden Order Transition of URu_2Si_2 . <i>Physical Review Letters</i> , 2016, 117, 157201.	7.8	9
53	Temperature-pressure phase diagram of cubic Laves phase Au_2Pb . <i>Physical Review B</i> , 2016, 93, .	3.2	14
54	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs . <i>Physical Review B</i> , 2016, 93, .	3.2	40

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55	High Magnetic Field Annealing of Mn-Ga Intermetallic Alloys. <i>MRS Advances</i> , 2016, 1, 227-233.	0.9	5
56	High hardness in the biocompatible intermetallic compound Ti_3Au . <i>Science Advances</i> , 2016, 2, e1600319.	10.3	46
57	Competing covalent and ionic bonding in Ge-Sb-Te phase change materials. <i>Scientific Reports</i> , 2016, 6, 25981.	3.3	35
58	Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1831-1840.	3.1	29
59	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016, 10, 1795-1801.	14.6	261
60	Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments. <i>Physical Review X</i> , 2015, 5, .	8.9	11
61	Transport properties of cubic crystalline $\text{Ge}_2\text{Sb}_2\text{Te}_5$: A potential low-temperature thermoelectric material. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	17
62	A facility for X-ray diffraction in magnetic fields up to 25 T and temperatures between 15 and 295 K. <i>Review of Scientific Instruments</i> , 2015, 86, 123902.	1.3	6
63	Electronic, transport, and optical properties of bulk and mono-layer PdSe_2 . <i>Applied Physics Letters</i> , 2015, 107, .	3.3	170
64	Impact of vacancy ordering on thermal transport in crystalline phase-change materials. <i>Reports on Progress in Physics</i> , 2015, 78, 013001.	20.1	84
65	An itinerant antiferromagnetic metal without magnetic constituents. <i>Nature Communications</i> , 2015, 6, 7701.	12.8	33
66	A family of rare earth molybdenum bronzes: Oxides consisting of periodic arrays of interacting magnetic units. <i>Journal of Solid State Chemistry</i> , 2015, 227, 178-185.	2.9	3
67	Complex magnetism and strong electronic correlations in Ce_2PdGe_3 . <i>Physical Review B</i> , 2015, 91, .	3.2	12
68	Ba_2TeO as an optoelectronic material: First-principles study. <i>Journal of Applied Physics</i> , 2015, 117, 195705.	2.5	3
69	Ligand Control of Manganese Telluride Molecular Cluster Core Nuclearity. <i>Inorganic Chemistry</i> , 2015, 54, 8348-8355.	4.0	28
70	Synthesis and characterization of the divalent samarium Zintl-phases SmMg_2Bi_2 and SmMg_2Sb_2 . <i>Journal of Solid State Chemistry</i> , 2015, 231, 217-222.	2.9	26
71	Ba_2TeO : A new layered oxytelluride. <i>Journal of Solid State Chemistry</i> , 2015, 222, 60-65.	2.9	7
72	Hard magnetic properties observed in bulk $\text{Mn}_{1-x}\text{Gax}$. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10

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73	Spin ordering and dynamics in the frustrated antiferromagnet YBaCo ₄ O _{7.1} . Physical Review B, 2014, 89, .	3.2	2
74	Stress distribution and lattice distortions in Nb ₃ Sn multifilament wires under uniaxial tensile loading at 4.2 K. Superconductor Science and Technology, 2014, 27, 044021.	3.5	23
75	Texture in state-of-the-art Nb ₃ Sn multifilamentary superconducting wires. Superconductor Science and Technology, 2014, 27, 025013.	3.5	15
76	Ferromagnetic Ordering in Superatomic Solids. Journal of the American Chemical Society, 2014, 136, 16926-16931.	13.7	58
77	Assembling Hierarchical Cluster Solids with Atomic Precision. Journal of the American Chemical Society, 2014, 136, 15873-15876.	13.7	56
78	Single crystal synthesis and magnetism of the BaLn ₂ O ₄ family (Ln=An lanthanide). Progress in Solid State Chemistry, 2014, 42, 23-36.	7.2	33
79	A new oxytelluride: Perovskite and CsCl intergrowth in Ba ₃ Yb ₂ O ₅ Te. Journal of Solid State Chemistry, 2013, 203, 204-211.	2.9	6
80	Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. Physical Review B, 2013, 88, .	3.2	14
81	Thermodynamic and transport properties of RSn ₂ (R=Tm, Lu, Y) single crystals. Journal of Magnetism and Magnetic Materials, 2013, 341, 6-16.	2.3	5
82	Supersized contorted aromatics. Chemical Science, 2013, 4, 2018.	7.4	141
83	Nanoscale Atoms in Solid-State Chemistry. Science, 2013, 341, 157-160.	12.6	199
84	Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd _{0.7} Se _{0.7} . Physical Review B, 2013, 87, .	3.2	27
85	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo ₄ O ₇ . Physical Review B, 2013, 87, .	3.2	11
86	Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . Scientific Reports, 2013, 3, 1446.	3.3	64
87	Orbital, charge, and spin couplings in Ru ₂ O ₅ . Physical Review B, 2013, 87, .	3.2	18
88	Phase Change Materials: Challenges on the Path to a Universal Storage Device. Annual Review of Condensed Matter Physics, 2012, 3, 215-237.	14.5	80
89	In situ characterization of structural changes and the fraction of aligned carbon nanotube networks produced by stretching. Carbon, 2012, 50, 3859-3867.	10.3	54
90	Synthesis of regioregular pentacene-containing conjugated polymers. Journal of Materials Chemistry, 2011, 21, 7078.	6.7	19

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91	Physical characterization of functionalized spider silk: electronic and sensing properties. Science and Technology of Advanced Materials, 2011, 12, 055002.	6.1	33
92	Chemical-pressure effects on structural, magnetic, and transport properties of Mn _{1-x} Co _x V ₂ O ₄ . Physical Review Letters, 2011, 106, 056602.	3.2	51
93	Synthesis, crystal structure, and magnetism of Fe _{1-x} Se _x V ₂ O ₄ : A Spinell Approaching the Itinerant Electron Limit. Physical Review Letters, 2011, 106, 056602.	7.8	66
94	Disorder-induced localization in crystalline phase-change materials. Nature Materials, 2011, 10, 202-208.	27.5	515
95	Synthesis, crystal structure, and magnetism of Fe _{1-x} Se _x V ₂ O ₄ . Physical Review Letters, 2011, 106, 056602.	3.2	61
96	Floating zone crystal growth and structural distortion of Pb ₂ V ₃ O ₉ . Journal of Crystal Growth, 2011, 321, 120-123.	1.5	3
97	Disorder-dependent superconducting phase diagram at high magnetic fields in Fe _{1-x} Se _x V ₂ O ₄ . Physical Review B, 2010, 82, .	3.2	14
98	Metamagnetic transition in single-crystal Bi ₄ V ₂ O ₉ . Physical Review B, 2010, 82, .	3.2	5
99	Resonating Valence Bond and \tilde{f} -Charge Density Wave Phases in a Benzannulated Phenalenyl Radical. Journal of the American Chemical Society, 2010, 132, 2684-2694.	13.7	36
100	Tin telluride: A weakly co-elastic metal. Physical Review B, 2010, 82, .	3.2	36
101	Growth of Single-Crystal Organic Semiconductors. , 2010, , 845-867.		10
102	Structural anisotropy in a-Mg _x Zn _(1-x) O (0 ≤ x ≤ 0.33) films on r-sapphire. Journal of Vacuum Science & Technology B, 2009, 27, 1620.	1.3	8
103	Possible Verwey-Type Transition in Pb ₃ Rh ₇ O ₁₅ . Chemistry of Materials, 2009, 21, 2300-2305.	6.7	8
104	5,6,11,12-Tetrachlorotetracene, a tetracene derivative with \tilde{f} -stacking structure: The synthesis, crystal structure and transistor properties. Organic Electronics, 2008, 9, 234-240.	2.6	64
105	Cupric oxide as an induced-multiferroic with high-TC. Nature Materials, 2008, 7, 291-294.	27.5	453
106	Crystal Structure and the Paraelectric-to-Ferroelectric Phase Transition of Nanoscale BaTiO ₃ . Journal of the American Chemical Society, 2008, 130, 6955-6963.	13.7	509
107	Reactions of Strained Hydrocarbons with Alkene and Alkyne Metathesis Catalysts. Journal of the American Chemical Society, 2008, 130, 14078-14079.	13.7	29
108	Trialkylsilylethynyl-Functionalized Tetraceno[2,3- <i>b</i>]thiophene and Anthra[2,3- <i>b</i>]thiophene Organic Transistors. Chemistry of Materials, 2008, 20, 4669-4676.	6.7	66

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109	In-plane anisotropic strain in a-ZnO films grown on r-sapphire substrates. Applied Physics Letters, 2008, 93, .	3.3	45
110	Mg composition dependent strain analysis in nonpolar a-plane Mg _x Zn _{1-x} O films. Applied Physics Letters, 2008, 93, 151907.	3.3	8
111	Pentacene-based thin film transistors with titanium oxide-polystyrene/polystyrene insulator blends: High mobility on high K dielectric films. Applied Physics Letters, 2007, 90, 062111.	3.3	43
112	a-plane Mg _x Zn _{1-x} O films deposited on r-sapphire and its surface acoustic wave characteristics. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 857-861.	2.1	9
113	Defects in Organic Molecular Crystals: Spectroscopy and Effects on Electronic and Optical Properties. , 2007, , .		0
114	Optimized growth of lattice-matched In _x Al _{1-x} N/GaN heterostructures by molecular beam epitaxy. Applied Physics Letters, 2007, 90, 021922.	3.3	37
115	High quality UV AlGaN/AlGaIn distributed Bragg reflectors and microcavities. , 2007, , .		1
116	Large uniaxial negative thermal expansion in pentacene due to steric hindrance. Physical Review B, 2007, 76, .	3.2	68
117	Role of synthesis for oxygen defect incorporation in crystalline rubrene. Applied Physics Letters, 2007, 91, .	3.3	43
118	Molecular ordering in bis(phenylenyl)bithiophenes. Journal of Materials Chemistry, 2007, 17, 3427.	6.7	12
119	Enantiotropic Polymorphism in Di-indenoperylene. Journal of Physical Chemistry C, 2007, 111, 18878-18881.	3.1	70
120	Sharp switching of the magnetization in Fe _{1-x} Ta _{2x} S ₂ . Physical Review B, 2007, 75, .	3.2	99
121	A Polymorph Lost and Found: The High-Temperature Crystal Structure of Pentacene. Advanced Materials, 2007, 19, 2079-2082.	21.0	128
122	Growth and Electronic Transport in 9,10-Diphenylanthracene Single Crystals—An Organic Semiconductor of High Electron and Hole Mobility. Advanced Materials, 2007, 19, 2097-2101.	21.0	69
123	Mobility-independent doping in crystalline rubrene field-effect transistors. Solid State Communications, 2007, 142, 483-486.	1.9	18
124	Modification of charge transport in single crystal rubrene. , 2007, , .		0
125	Surface and Interface Properties of Metal-Organic Chemical Vapor Deposition Grown a-Plane Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.3) Films. Journal of Electronic Materials, 2007, 36, 446-451.	2.2	9
126	Structural and Optical Properties of ZnO Nanotips Grown on GaN Using Metalorganic Chemical Vapor Deposition. Journal of Electronic Materials, 2007, 36, 654-658.	2.2	7

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127	Organization of Acenes with a Cruciform Assembly Motif. <i>Journal of the American Chemical Society</i> , 2006, 128, 1340-1345.	13.7	214
128	Oxygen-Related Band Gap State in Single Crystal Rubrene. <i>Physical Review Letters</i> , 2006, 97, 166601.	7.8	113
129	Field Effect Studies on Rubrene and Impurities of Rubrene. <i>Chemistry of Materials</i> , 2006, 18, 244-248.	6.7	173
130	Diquino[3,4-b;4â€²,3â€²-e][1,4]dithiine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1333-o1335.	0.2	0
131	Diquino[4,3-b;3â€²,4â€²-e][1,4]thiaselenine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3203-o3205.	0.2	0
132	Dislocations and grain boundaries in semiconducting rubrene single-crystals. <i>Journal of Crystal Growth</i> , 2006, 290, 479-484.	1.5	68
133	Transferring Self-Assembled, Nanoscale Cables into Electrical Devices. <i>Journal of the American Chemical Society</i> , 2006, 128, 10700-10701.	13.7	213
134	Synthesis and characterization of the pseudo-hexagonal hollandites $Al_2Ru_6O_{12}$ (A=Na, K). <i>Journal of Solid State Chemistry</i> , 2006, 179, 941-948.	2.9	7
135	Hybrid deposition of piezoelectric $Mg_xZn_{1-x}O$ (0â‰‰0.3) on R -sapphire substrates using RF sputtering and MOCVD. <i>Journal of Electronic Materials</i> , 2006, 35, 1306-1310.	2.2	7
136	Phase Formation and Properties in the System $Bi_2O_3:2CoO_{1+x}:Nb_2O_5$. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4908-4914.	2.0	70
137	Exciton and Defect Photoluminescence Signatures in Single Crystal Rubrene. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
138	Ferroelectricity in the cycloidal spiral magnetic phase of $MnWO_4$. <i>Physical Review B</i> , 2006, 74, .	3.2	201
139	Ferromagnetism in Fe-implanted a-plane ZnO films. <i>Applied Physics Letters</i> , 2006, 89, 012508.	3.3	47
140	High-reflectivity ultraviolet $AlGaN$ distributed Bragg reflectors. <i>Applied Physics Letters</i> , 2006, 88, 171101.	3.3	35
141	Template-Dependent Morphogenesis of Oriented Calcite Crystals in the Presence of Magnesium Ions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2386-2390.	13.8	52
142	Self-Assembly and Electronics of Dipolar Linear Acenes. <i>Advanced Materials</i> , 2005, 17, 407-412.	21.0	110
143	Crystallization of Charge Holes in the Spin Ladder of $Sr_{14}Cu_{24}O_{41}$. <i>ChemInform</i> , 2005, 36, no.	0.0	0
144	X-ray structure of 14-phenyldiquino[3,4 b;4â€²,3â€²-e][1,4]thiazine(1). <i>Journal of Chemical Crystallography</i> , 2005, 35, 731-736.	1.1	7

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145	Azanyl sulfides. LXXXI. 14-Phenyl-7-thiapyrano[2,3-c;6,5-câ€²]diquinoline-14-carbonitrile. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o377-o379.	0.4	0
146	Synthesis and Structure of Dipyrido-1,4-dithiins. Heterocycles, 2005, 65, 2619.	0.7	7
147	Organic Semiconductor Designed for Lamination Transfer between Polymer Films. Chemistry of Materials, 2005, 17, 5748-5753.	6.7	24
148	Single-crystal field-effect transistors based on copper phthalocyanine. Applied Physics Letters, 2005, 86, 022103.	3.3	212
149	An Organometallic Synthesis of TiO ₂ Nanoparticles. Nano Letters, 2005, 5, 543-548.	9.1	140
150	Bias-Dependent Generation and Quenching of Defects in Pentacene. Physical Review Letters, 2004, 93, 076601.	7.8	124
151	Amorphouslike Density of Gap States in Single-Crystal Pentacene. Physical Review Letters, 2004, 93, 086802.	7.8	196
152	Crystallization of charge holes in the spin ladder of Sr ₁₄ Cu ₂₄ O ₄₁ . Nature, 2004, 431, 1078-1081.	27.8	168
153	Electronic characterization of alkali ruthenium hollandites: KRu ₄ O ₈ , RbRu ₄ O ₈ and Cs _{0.8} Li _{0.2} Ru ₄ O ₈ . Materials Research Bulletin, 2004, 39, 1663-1670.	5.2	17
154	Synthesis, Crystal Structure, and Transistor Performance of Tetracene Derivatives. Journal of the American Chemical Society, 2004, 126, 15322-15323.	13.7	353
155	Crystal Structure and Properties of Ba ₁₁ FeTi ₂₇ O _{66.5} . European Journal of Inorganic Chemistry, 2004, 2004, 2434-2441.	2.0	5
156	Metalorganic chemical vapor deposition and characterizations of epitaxial Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.33) films on r-sapphire substrates. Journal of Crystal Growth, 2004, 261, 316-323.	1.5	19
157	Structure of ten-layer orthorhombic Ba ₅ Fe ₅ O ₁₄ (BaFe _{0.8}) determined from single crystal X-ray diffraction. Journal of Solid State Chemistry, 2004, 177, 928-935.	2.9	32
158	Photochemical Stability of Pentacene and a Substituted Pentacene in Solution and in Thin Films. Chemistry of Materials, 2004, 16, 4980-4986.	6.7	389
159	Structure and Transport Properties of the Charge-Transfer Salt Coronene ⁺ TCNQ. Chemistry of Materials, 2004, 16, 5751-5755.	6.7	67
160	Mesophase Transitions, Surface Functionalization, and Growth Mechanism of Semiconducting 6PTTP6 Films from Solution. Journal of Physical Chemistry B, 2004, 108, 8567-8571.	2.6	29
161	Synthesis, Structure and Physical Properties of the First One-Dimensional Phenalenyl-Based Neutral Radical Molecular Conductor. Journal of the American Chemical Society, 2004, 126, 1478-1484.	13.7	81
162	Subsolidus phase equilibria and crystal chemistry in the system BaO ²⁺ TiO ₂ ²⁺ Ta ₂ O ₅ . Solid State Sciences, 2003, 5, 149-164.	3.2	31

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163	Combining Magnets and Dielectrics: Crystal Chemistry in the BaO \cdot Fe ₂ O ₃ \cdot TiO ₂ System. European Journal of Inorganic Chemistry, 2003, 2003, 1483-1501.	2.0	36
164	Tetramethylpentacene: Remarkable Absence of Steric Effect on Field Effect Mobility. Advanced Materials, 2003, 15, 1090-1093.	21.0	206
165	Subsolidus Phase Equilibria and Crystal Chemistry in the System BaO \cdot TiO ₂ \cdot Ta ₂ O ₅ . ChemInform, 2003, 34, no.	0.0	0
166	Re ₄ As ₆ S ₃ , a thio-spinel-related cluster system. Journal of Solid State Chemistry, 2003, 172, 446-450.	2.9	7
167	Composition-dependent crystallization of alternative gate dielectrics. Applied Physics Letters, 2003, 83, 1459-1461.	3.3	22
168	Inhomogeneous CuO ₆ tilt distribution and charge-spin correlations in La _{2-x} Nd _y Sr _x CuO ₄ around the commensurate hole concentration. Physical Review B, 2003, 68, .	3.2	8
169	Growth and structural analysis of metalorganic chemical vapor deposited (11 $\bar{1}$,0) Mg _x Zn _{1-x} O (0 < x < 0.33) films on (011 $\bar{1}$,2) R-plane Al ₂ O ₃ substrates. Applied Physics Letters, 2003, 82, 742-744.	3.3	68
170	Synthesis and X-Ray Analysis of Isomeric Diazadithiapentacenes. Heterocycles, 2003, 60, 2045.	0.7	11
171	Band Electronic Structure of One- and Two-Dimensional Pentacene Molecular Crystals. Journal of Physical Chemistry B, 2002, 106, 8288-8292.	2.6	122
172	New barium manganese titanates prepared under reducing conditions. Solid State Sciences, 2002, 4, 323-327.	3.2	6
173	Crystal structure of Ba ₂₇ Fe ₁₆ Ti ₃₃ O ₁₁₇ . Solid State Sciences, 2002, 4, 911-916.	3.2	4
174	A 2:1 cocrystal of 6,13-dihydropentacene and pentacene. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1229-o1231.	0.2	24
175	Two-dimensional band-like charge transport in 1,6-sexithiophene. Organic Electronics, 2001, 2, 135-142.	2.6	5
176	Charge transport in anthradithiophene single crystals. Organic Electronics, 2001, 2, 165-169.	2.6	1
177	Synthesis, Crystal Structure, and Magnetic and Electric Properties of the Cross-Linked Chain Cobalt Oxichloride Ba ₅ Co ₅ ClO ₁₃ . Journal of Solid State Chemistry, 2001, 158, 175-179.	2.9	19
178	Synthesis and Structure of a New Germanate Fluoride: NaCa ₂ GeO ₄ F. Journal of Solid State Chemistry, 2001, 160, 33-38.	2.9	25
179	Solid-State Structural and Electrical Characterization of N-Benzyl and N-Alkyl Naphthalene 1,4,5,8-Tetracarboxylic Diimides. ChemPhysChem, 2001, 2, 167-172.	2.1	46
180	Enhanced Physical Properties in a Pentacene Polymorph. Angewandte Chemie - International Edition, 2001, 40, 1732-1736.	13.8	184

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181	Growth and Characterization of GaN/AlGaN Superlattices for Near-Infrared Intersubband Transitions. <i>Physica Status Solidi A</i> , 2001, 188, 825-831.	1.7	13
182	Superconductivity in single crystals of the fullerene C70. <i>Nature</i> , 2001, 413, 831-833.	27.8	34
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