Paulo Sergio Pizani

List of Publications by Year
in descending order

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230	7,341	47006	82547
papers	citations	47 h-index	72 g-index

232	232	232	6151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A theoretical and experimental investigation of hetero- vs. homo-connectivity in barium silicates. American Mineralogist, 2022, 107, 716-728.	1.9	6
2	Chromium in lead metasilicate glass: Solubility, valence, and local environment via multiple spectroscopy. Ceramics International, 2022, 48, 173-178.	4.8	1
3	A critical evaluation of barium silicate glass network polymerization. Journal of Non-Crystalline Solids, 2022, 583, 121477.	3.1	12
4	Combining Raman spectroscopy and synchrotron Xâ€ray diffraction to unveil the order types in A₃CaNb₂O₉ (Aâ€‰=â€‰Ba, Sr) complex perovskites. Journal of Raman Spectroscopy, 2022, 53, 1333-1341.	2.5	2
5	Identifying and explaining vibrational modes of sanbornite (low-BaSi2O5) and Ba5Si8O21: A joint experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119130.	3.9	10
6	Speciation and polymerization in a barium silicate glass: Evidence from 29Si NMR and Raman spectroscopies. Chemical Geology, 2021, 586, 120611.	3.3	8
7	Unveiling the infrared complex dielectric function of ilmenite CdTiO3. Journal of Alloys and Compounds, 2020, 813, 152136.	5.5	6
8	Electrochemical Synthesis of La-Doped BaTiO3 Nanopowders. Journal of Nanoscience and Nanotechnology, 2020, 20, 1033-1038.	0.9	1
9	Innovative Design for the Enhancement of Lithium Lanthanum Titanate Electrolytes. Crystal Growth and Design, 2019, 19, 4897-4901.	3.0	8
10	Spin-phonon coupling in uniaxial anisotropic spin-glass based on Fe2TiO5 pseudobrookite. Journal of Alloys and Compounds, 2019, 799, 563-572.	5.5	20
11	The origin of the unusual DSC peaks of supercooled barium disilicate liquid. CrystEngComm, 2019, 21, 2768-2778.	2.6	27
12	Effects of cadmium insertion in blue-excited photoluminescence of ZnO. Optical Materials, 2019, 89, 344-348.	3.6	8
13	Theoretical methods for calculations of optical phonons in BiOBr: Analysis and correction of propagated errors. Journal of Raman Spectroscopy, 2018, 49, 1356-1363.	2.5	31
14	First-principles calculations and Raman scattering evidence for local symmetry lowering in rhombohedral ilmenite: temperature- and pressure-dependent studies. Journal of Physics Condensed Matter, 2018, 30, 485401.	1.8	13
15	A Raman investigation of the structural evolution of supercooled liquid barium disilicate during crystallization. International Journal of Applied Glass Science, 2018, 9, 510-517.	2.0	22
16	Structureâ€“Property Relations in Fluorophosphate Glasses: An Integrated Spectroscopic Strategy. Journal of Physical Chemistry C, 2017, 121, 2968-2986.	3.1	32
17	Ionic conductivity and mixed-ion effect in mixed alkali metaphosphate glasses. Physical Chemistry Chemical Physics, 2017, 19, 6594-6600.	2.8	20
18	Temperature dependence of the Raman spectrum of 1-(4-chlorophenyl)-3-(2-thienyl)prop-2-en-1-one. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 9-17.	3.9	6

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19	Raman signatures of monoclinic distortion in (Ba_{1â^'x}Sr_x)₃CaNb₂O₉ complex perovskites. Journal of Raman Spectroscopy, 2017, 48, 1243-1249.	2.5	9
20	Relationship between ferroelectric properties and local structure of Pb1â^'xBaxZr0.40Ti0.60O3 ceramic materials studied by X-ray absorption and Raman spectroscopies. Journal of Solid State Chemistry, 2016, 240, 16-22.	2.9	1
21	Raman spectroscopy of l -phenylalanine nitric acid submitted to high pressure. Vibrational Spectroscopy, 2016, 85, 97-103.	2.2	14
22	Structural and dynamic properties of vitreous and crystalline barium disilicate: molecular dynamics simulation and Raman scattering experiments. Journal Physics D: Applied Physics, 2016, 49, 435301.	2.8	14
23	Thermal and biological properties of the Schiff base N,Nâ€²-bis(salicylidene)-1,2-phenylenediamine, a potential adjuvant to antibiotic therapy. Journal of Molecular Structure, 2016, 1115, 105-108.	3.6	11
24	Atomic substitution effects on the structural and vibrational properties of NixPb1-xTiO3: X-ray diffraction and Raman scattering investigations. AIP Advances, 2015, 5, 077113.	1.3	6
25	Spectroscopy studies on Schiff base N,Nâ€²-bis(salicylidene)-1,2-phenylenediamine by NMR, infrared, Raman and DFT calculations. Journal of Molecular Structure, 2015, 1097, 106-111.	3.6	24
26	Characterization of Meldrumâ€™s acid derivative 5-(5-Ethyl-1,3,4-thiadiazol-2-ylamino)methylene-2,2-dimethyl-1,3-dioxane-4,6-dione by Raman and FT-IR spectroscopy and DFT calculations. Journal of Molecular Structure, 2015, 1091, 37-42.	3.6	20
27	Ultraprecision machining of diffraction optical elements on soft semiconductor crystal. International Journal of Advanced Manufacturing Technology, 2015, 77, 1145-1154.	3.0	7
28	Network Structure and Rare-Earth Ion Local Environments in Fluoride Phosphate Photonic Glasses Studied by Solid-State NMR and Electron Paramagnetic Resonance Spectroscopies. Journal of Physical Chemistry C, 2015, 119, 24574-24587.	3.1	43
29	Local order of Pb1â^'xLaxZr0.40Ti0.60O3 ferroelectric ceramic materials probed by X-ray absorption and Raman spectroscopies. Journal of Alloys and Compounds, 2014, 582, 680-687.	5.5	8
30	Influence of a co-substituted A-site on structural characteristics and ferroelectricity of (Pb, Ba,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Science and Technology, 2014, 69, 605-616.	2.4	8
31	Ferroelectric and structural instability of (Pb,Ca)TiO3 thin films prepared in an oxygen atmosphere and deposited on LSCO thin films which act as a buffer layer. Ceramics International, 2014, 40, 4085-4093.	4.8	6
32	The effect of high non-hydrostatic pressure on III-V semiconductors: zinc blende to wurtzite structural phase transition and multiphase generation. Journal of Physics: Conference Series, 2014, 500, 182032.	0.4	4
33	High-pressure Raman scattering of MgMoO4. Vibrational Spectroscopy, 2013, 68, 34-39.	2.2	22
34	Pressure-induced phase transitions in Î²-BaTeMo2O9. Journal of Alloys and Compounds, 2013, 579, 236-242.	5.5	11
35	Diamond turning of small Fresnel lens array in single crystal InSb. Journal of Micromechanics and Microengineering, 2013, 23, 055025.	2.6	16
36	High-temperature, high-pressure Raman spectra and their intrinsic anharmonic effects in the perovskite Pb1â^'xLaxTiO3. Journal of Applied Physics, 2013, 113, .	2.5	18

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37	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO4 crystals. Polyhedron, 2013, 50, 532-545.	2.2	63
38	Evidence of crystallographic orientation dependence upon cyclic microindentation-induced recrystallization within amorphous surface layer. Materials Letters, 2013, 94, 201-205.	2.6	2
39	High pressure Raman scattering of dl-leucine crystals. Vibrational Spectroscopy, 2013, 66, 119-122.	2.2	12
40	Lattice dynamics and pressure-induced phase transitions in Î±-BaTeMo₂O₉. Journal of Physics Condensed Matter, 2013, 25, 125404.	1.8	15
41	Effects of Reaction Temperature on Structural Properties of ZnO Nanocrystals Prepared via Solochemical Technique. Journal of Nanoscience and Nanotechnology, 2012, 12, 7986-7992.	0.9	2
42	Grain size effect on the structural and dielectric properties of Pb0.85La0.15TiO3 ferroelectric ceramic compound. Ceramics International, 2012, 38, 5879-5887.	4.8	16
43	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO₃ Thin Films Prepared by the Polymeric Precursor Method: An Experimental and Theoretical Approach. Journal of Physical Chemistry C, 2012, 116, 15557-15567.	3.1	23
44	Dependence of brittle-to-ductile transition on crystallographic direction in diamond turning of single-crystal silicon. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 445-458.	2.4	24
45	Photoluminescent properties of lead zirconate powders obtained by the polymeric precursor method. Ceramics International, 2012, 38, 4593-4599.	4.8	10
46	Effects of temperature and concentration of La in the form of A1 transverse optical phonon in the PbTiO3 system. Ceramica, 2012, 58, 313-316.	0.8	1
47	The Role of Short-Range Disorder in BaWO₄ Crystals in the Intense Green Photoluminescence. Journal of Physical Chemistry C, 2011, 115, 12180-12186.	3.1	24
48	Hierarchical Assembly of CaMoO₄ Nano-Octahedrons and Their Photoluminescence Properties. Journal of Physical Chemistry C, 2011, 115, 5207-5219.	3.1	130
49	A method to synthesize SiO2â€“TiO2 glasses based on the synergy between VAD and ALD techniques: study of TiO2doping profile along radial direction. Optical Materials, 2011, 33, 1938-1942.	3.6	4
50	Structural, thermal and vibrational characterization of mechanical alloyed In50Te50. Materials Chemistry and Physics, 2011, 125, 257-262.	4.0	13
51	Structure and microstructure of In4Te3 nanopowders prepared by solid state reaction. Materials Chemistry and Physics, 2011, 130, 1361-1365.	4.0	8
52	BaZrO₃ photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. International Journal of Quantum Chemistry, 2011, 111, 694-701.	2.0	19
53	Room temperature photoluminescence of BCT prepared by Complex Polymerization Method. Current Applied Physics, 2010, 10, 16-20.	2.4	27
54	Investigation in SrTiO3-CaTiO3-PbTiO3 ternary thin films by dielectric proprieties and Raman spectroscopy. Journal of Sol-Gel Science and Technology, 2010, 55, 151-157.	2.4	1

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55	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO3 systems. Journal of Physics and Chemistry of Solids, 2010, 71, 12-17.	4.0	17
56	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. Solid State Ionics, 2010, 181, 775-780.	2.7	92
57	Electronic structure and optical properties of BaMoO4 powders. Current Applied Physics, 2010, 10, 614-624.	2.4	150
58	Pressure-temperature-La concentration three-dimensional phase diagram of La-modified PbTiO3 determined by Raman scattering. Applied Physics Letters, 2010, 97, 031903.	3.3	12
59	Reply to â€œComment on â€˜<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Pb</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn>		

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73	Photoluminescent behavior of BaWO4 powders processed in microwave-hydrothermal. Journal of Alloys and Compounds, 2009, 474, 195-200.	5.5	92
74	Structural transition on Pb1â^'xSrxTiO3 produced by chemical method. Journal of Alloys and Compounds, 2009, 475, 940-945.	5.5	20
75	Influence of the modifier on the short and long range disorder of stannate perovskites. Journal of Alloys and Compounds, 2009, 476, 507-512.	5.5	41
76	Polymeric precursor method to the synthesis of XWO4 (X=Ca and Sr) thin filmsâ€"Structural, microstructural and spectroscopic investigations. Journal of Alloys and Compounds, 2009, 477, 608-615.	5.5	18
77	Synthesis and photoluminescence behavior of Bi4Ti3O12 powders obtained by the complex polymerization method. Journal of Alloys and Compounds, 2009, 478, 661-670.	5.5	47
78	X-ray diffraction, Raman, and photoacoustic studies of ZnTe nanocrystals. Journal of Applied Physics, 2009, 105, .	2.5	33
79	Raman spectroscopy and inelastic neutron scattering study of crystalline L-valine. Journal of Physics Condensed Matter, 2009, 21, 415404.	1.8	6
80	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO₄. Crystal Growth and Design, 2009, 9, 1002-1012.	3.0	115
81	Morphology and Blue Photoluminescence Emission of PbMoO₄ Processed in Conventional Hydrothermal. Journal of Physical Chemistry C, 2009, 113, 5812-5822.	3.1	171
82	Effect of the Order and Disorder of BaMoO4 Powders in Photoluminescent Properties. Journal of Fluorescence, 2008, 18, 51-59.	2.5	49
83	High pressure Raman spectra of <scp>L</scp>â€methionine crystal. Journal of Raman Spectroscopy, 2008, 39, 1356-1363.	2.5	46
84	Shape controlled synthesis of CaMoO4 thin films and their photoluminescence property. Journal of Solid State Chemistry, 2008, 181, 1249-1257.	2.9	38
85	Photoluminescence in the CaxSr1â^'xWO4 system at room temperature. Journal of Solid State Chemistry, 2008, 181, 1876-1881.	2.9	37
86	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr0.25Ti0.75]O3 powders: An experimental/theoretical correlation. Journal of Physics and Chemistry of Solids, 2008, 69, 1782-1789.	4.0	27
87	BaMoO4 powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. Journal of Physics and Chemistry of Solids, 2008, 69, 2674-2680.	4.0	100
88	Leakage current, ferroelectric and structural properties in Pb1â^'xBaxTiO3 thin films prepared by chemical route. Journal of Physics and Chemistry of Solids, 2008, 69, 2796-2803.	4.0	4
89	Structural and morphological characterization of Pb1â^'xBaxTiO3 thin films prepared by chemical route: An investigation of phase transition. Materials Chemistry and Physics, 2008, 108, 312-318.	4.0	5
90	The influence of crystallographic orientation on the generation of multiple structural phases generation in Silicon by cyclic microindentation. Materials Letters, 2008, 62, 812-815.	2.6	12

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91	Lead and Aluminum Bonding in Pbâ^'Al Metaphosphate Glasses. Inorganic Chemistry, 2008, 47, 690-698.	4.0	16
92	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO₃ Nanoparticles. Chemistry of Materials, 2008, 20, 5381-5387.	6.7	166
93	Tunable visible photoluminescence of powdered silica glass. Journal of Non-Crystalline Solids, 2008, 354, 476-479.	3.1	10
94	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. Journal of Alloys and Compounds, 2008, 459, 537-542.	5.5	235
95	Investigation on the structural properties in Er-doped PbTiO3 compounds: A correlation between experimental and theoretical results. Journal of Alloys and Compounds, 2008, 462, 157-163.	5.5	32
96	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O3 powders. Journal of Alloys and Compounds, 2008, 464, 340-346.	5.5	25
97	Influence of minor oxidation of the precursor powders to form nanocrystalline CdTe by mechanical alloying. Journal of Alloys and Compounds, 2008, 466, 80-86.	5.5	35
98	Toward an Understanding of Intermediate- and Short-Range Defects in ZnO Single Crystals. A Combined Experimental and Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 8970-8978.	2.5	64
99	Photoluminescence of Barium Titanate and Barium Zirconate in Multilayer Disordered Thin Films at Room temperature. Journal of Physical Chemistry A, 2008, 112, 8938-8942.	2.5	72
100	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO3 powders. Journal of Applied Physics, 2008, 103, .	2.5	84
101	Phase transformation and residual stress probed by Raman spectroscopy in diamond-turned single crystal silicon. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 1065-1073.	2.4	24
102	Pressure-induced electrical and structural anomalies in Pb_{1â^'x}Ca_xTiO₃thin films grown at various oxygen pressures by chemical solution route. Journal Physics D: Applied Physics, 2008, 41, 115402.	2.8	2
103	The pressure-induced phase transition of mechanically alloyed nanocrystalline GaSb. Journal of Physics Condensed Matter, 2008, 20, 275212.	1.8	1
104	Evolution of photoluminescence as a function of the structural order or disorder in CaMoO4 nanopowders. Journal of Applied Physics, 2008, 104, .	2.5	49
105	Study of phase transition in (Pb,Ba)TiO3 thin films. Journal of Applied Physics, 2008, 104, 014107.	2.5	3
106	High temperature Raman spectra of L-leucine crystals. Brazilian Journal of Physics, 2008, 38, 131-137.	1.4	50
107	Intense visible photoluminescence in Ba(Zr0.25Ti0.75)O3 thin films. Applied Physics Letters, 2007, 90, 011901.	3.3	61
108	Contribution of structural order-disorder to the green photoluminescence ofPbWO4. Physical Review B, 2007, 75, .	3.2	48

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109	Pb1â^'xCaxTiO3solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach. Physical Review B, 2007, 75, .	3.2	16
110	Structure evaluation of submicrometre silicon chips removed by diamond turning. Semiconductor Science and Technology, 2007, 22, 561-573.	2.0	22
111	Crystallization of blast furnace slag glass melted in SnO2 crucible. Journal of Non-Crystalline Solids, 2007, 353, 4062-4065.	3.1	10
112	Raman investigations of rare earth orthovanadates. Journal of Applied Physics, 2007, 101, 053511.	2.5	77
113	High temperature phase transition in monohydrated L-asparagine crystal. Solid State Communications, 2007, 141, 29-32.	1.9	16
114	Age-induced phase transitions on mechanically alloyed amorphous GaSe. Solid State Communications, 2007, 142, 270-275.	1.9	8
115	Er3+ as marker for orderâ€"disorder determination in the PbTiO3 system. Chemical Physics, 2007, 335, 7-14.	1.9	28
116	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O3 thin films. Acta Materialia, 2007, 55, 6416-6426.	7.9	57
117	Photoluminescent property of mechanically milled BaWO4 powder. Journal of Luminescence, 2007, 126, 741-746.	3.1	26
118	Photoluminescence of crystalline and disordered BTO:Mn powder: Experimental and theoretical modeling. Journal of Luminescence, 2007, 126, 771-778.	3.1	29
119	Contribution of structural orderâ€"disorder to the room-temperature photoluminescence of lead zirconate titanate powders. Journal of Luminescence, 2007, 127, 689-695.	3.1	28
120	On the ductile response dependence upon phase transformation in diamond turning of semiconductors. Physica Status Solidi (B): Basic Research, 2007, 244, 261-265.	1.5	4
121	Pressure effects on surfactant solubilized single-wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 105-109.	1.5	9
122	Annealing treatment of amorphous silicon generated by single point diamond turning. International Journal of Advanced Manufacturing Technology, 2007, 34, 680-688.	3.0	16
123	Correlation among Orderâ^'Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. Chemistry of Materials, 2006, 18, 2904-2911.	6.7	47
124	Mechanical alloying: a pressure induced reaction for obtaining zinc blende GaSb and multiphase states. Journal of Physics Condensed Matter, 2006, 18, 8613-8622.	1.8	7
125	On the changing electrochemical behaviour of boron-doped diamond surfaces with time after cathodic pre-treatments. Electrochimica Acta, 2006, 51, 4612-4619.	5.2	206
126	Photoluminescent BaMoO4 nanopowders prepared by complex polymerization method (CPM). Journal of Solid State Chemistry, 2006, 179, 671-678.	2.9	111

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127	Photoluminescence: A probe for short, medium and long-range self-organization order in oxide. Journal of Solid State Chemistry, 2006, 179, 3997-4002.	2.9	26
128	Growth and characterization of LiYF4:Nd single crystal fibres for optical applications. Journal of Crystal Growth, 2006, 292, 149-154.	1.5	13
129	Structural, thermal and optical studies of mechanical alloyed Ga40Se60 mixture. Solid State Communications, 2006, 139, 70-75.	1.9	22
130	Visible PL Phenomenon at Room Temperature in Disordered Structure of SrWO4 Powder. Journal of Computer-Aided Materials Design, 2006, 12, 111-119.	0.7	7
131	Photoluminescence in disordered Zn2TiO4. Journal of Solid State Chemistry, 2006, 179, 985-992.	2.9	66
132	High-temperature Raman spectroscopy of monohydratedL-asparagine:Cr3+. Journal of Raman Spectroscopy, 2006, 37, 1393-1397.	2.5	3
133	Laser Induced Modifications of Carbon Nanotube Composite Surfaces. Japanese Journal of Applied Physics, 2006, 45, 7776-7779.	1.5	1
134	Characterization of La-Doped PBN Ferroelectric Ceramics. Ferroelectrics, 2006, 337, 213-218.	0.6	14
135	Non-Hydrostatic Pressure Induced Structural Phase Transitions of Silicon Analyzed by Raman Scattering. Defect and Diffusion Forum, 2006, 258-260, 276-281.	0.4	1
136	Effect of the initial structure of silicon surface on the generation of multiple structural phases by cyclic microindentation. Applied Physics Letters, 2006, 89, 031917.	3.3	16
137	Raman scattering investigation on structural and chemical disorder generated by laser ablation and mechanical microindentations of InSb single crystal. Journal of Applied Physics, 2006, 100, 053518.	2.5	4
138	Room-temperature photoluminescence in structurally disordered SrWO4. Applied Physics Letters, 2006, 88, 211913.	3.3	45
139	Photoluminescence at room temperature in disordered Ba0.50Sr0.50(Ti0.80Sn0.20)O3 thin films. Applied Physics Letters, 2006, 88, 211911.	3.3	12
140	Photoluminescence in disordered Sm-doped PbTiO3: Experimental and theoretical approach. Journal of Applied Physics, 2006, 100, 034917.	2.5	26
141	Photoluminescence properties of BaMoO4 amorphous thin films. Journal of Solid State Chemistry, 2005, 178, 2346-2353.	2.9	62
142	Luminescence effect in amorphous PLT. Journal of the European Ceramic Society, 2005, 25, 1175-1181.	5.7	2
143	The nature of the photoluminescence in amorphized PZT. Journal of Luminescence, 2005, 111, 205-213.	3.1	43
144	Reverse Monte Carlo simulations and Raman scattering of an amorphous GeSe4 alloy produced by mechanical alloying. Solid State Communications, 2005, 133, 411-416.	1.9	25

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145	Conditions giving rise to intense visible room temperature photoluminescence in SrWO4 thin films: the role of disorder. Chemical Physics, 2005, 312, 1-9.	1.9	57
146	The role of structural orderâ€“disorder for visible intense photoluminescence in the BaZr0.5Ti0.5O3 thin films. Chemical Physics, 2005, 316, 260-266.	1.9	38
147	Molecular dynamics simulation of the structural and dynamical properties of crystalline BaO. Physical Review B, 2005, 71, .	3.2	13
148	Experimental and Theoretical Investigation of the Room-Temperature Photoluminescence of Amorphized Pb(Zr,Ti)O3. ChemPhysChem, 2005, 6, 1530-1536.	2.1	25
149	Absence of relaxor-like ferroelectric phase transition in (Pb,Sr)TiO3 thin films. Applied Physics A: Materials Science and Processing, 2005, 80, 813-817.	2.3	15
150	Theoretical and experimental study of the relation between photoluminescence and structural disorder in barium and strontium titanate thin films. Journal of the European Ceramic Society, 2005, 25, 2337-2340.	5.7	19
151	Towards an insight on the photoluminescence of disordered CaWO4 from a joint experimental and theoretical analysis. Journal of Solid State Chemistry, 2005, 178, 1284-1291.	2.9	50
152	Room temperature photoluminescence of the Li2ZnTi3O8spinel: Experimental and theoretical study. International Journal of Quantum Chemistry, 2005, 103, 580-587.	2.0	10
153	Characterization of structural alteration in diamond turned silicon crystal by means of micro raman spectroscopy and transmission electron microscopy. Materials Research, 2005, 8, 261-268.	1.3	4
154	Room-temperature photoluminescence ofBaTiO3:â€ƒJoint experimental and theoretical study. Physical Review B, 2005, 71, .	3.2	103
155	Structural phase transition and dynamical properties of PbTiO3simulated by molecular dynamics. Journal of Physics Condensed Matter, 2005, 17, 5771-5783.	1.8	20
156	O papel dos modificadores de rede na produÃ§Ã£o da fotoluminescÃªncia no CaWO4. Ceramica, 2004, 50, 43-49.	0.8	7
157	Interaction potential for InSb: a molecular dynamics study. Brazilian Journal of Physics, 2004, 34, 347.	1.4	4
158	FotoluminescÃªncia em materiais com desordem estrutural. Ceramica, 2004, 50, 138-144.	0.8	13
159	Is there a link between very high strain and metastable phases in semiconductors: cases of Si and GaAs?. Journal of Physics Condensed Matter, 2004, 16, S39-S47.	1.8	2
160	Reverse Monte Carlo simulations, Raman scattering, and thermal studies of an amorphous Ge30Se70 alloy produced by mechanical alloying. Journal of Chemical Physics, 2004, 120, 329-336.	3.0	12
161	Structural analysis of pure and LiCF3SO3-doped amorphous WO3 electrochromic films and discussion on coloration kinetics. Journal of Applied Physics, 2004, 96, 2102-2109.	2.5	31
162	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr0.3Ti0.7O3 thin films. Journal of Applied Physics, 2004, 96, 2186-2191.	2.5	22

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163	Controlling the optical properties of disorderedGaAs/AlxGa1â^'xAssuperlattices. Physical Review B, 2004, 69, .	3.2	4
164	Investigation of phase transition in ferroelectric Pb0.70Sr0.30TiO3 thin films. Journal of Applied Physics, 2004, 96, 1192-1196.	2.5	36
165	The effect of the cation substitution on the structural and vibrational properties of Cs2NaGaxSc1â^'xF6 solid solution. Journal of Chemical Physics, 2004, 121, 3184-3190.	3.0	9
166	Characterization of BaTi1â^'xZrxO3 thin films obtained by a soft chemical spin-coating technique. Journal of Applied Physics, 2004, 96, 4386-4391.	2.5	63
167	Strain Determination Around Vickers Indentation on Silicon Surface by Raman Spectroscopy. Journal of Materials Research, 2004, 19, 1273-1280.	2.6	9
168	Ferroelectric phase transition in Pb0.60Sr0.40TiO3 thin films. Materials Chemistry and Physics, 2004, 87, 353-356.	4.0	5
169	Structural, thermal and optical studies of Ni3Se2 compound produced by mechanical alloying. Solid State Ionics, 2004, 168, 205-210.	2.7	20
170	A Raman and dielectric study of a diffuse phase transition in (Pb1-xCax)TiO3 thin films. Applied Physics A: Materials Science and Processing, 2004, 78, 349-354.	2.3	12
171	Photoluminescence in amorphous zirconium titanate. Applied Physics A: Materials Science and Processing, 2004, 78, 355-358.	2.3	22
172	Influence of strontium concentration on the structural, morphological, and electrical properties of lead zirconate titanate thin films. Applied Physics A: Materials Science and Processing, 2004, 79, 593-597.	2.3	9
173	Preparation of Pb(Zr,Ti)O 3 thin films by soft chemical route. Journal of the European Ceramic Society, 2004, 24, 2969-2976.	5.7	38
174	Optical phonons in mechanical alloyed Zn50Se50 mixture. Vibrational Spectroscopy, 2004, 36, 117-121.	2.2	1
175	An investigation of metal oxides which are photoluminiscent at room temperature. Computational and Theoretical Chemistry, 2004, 668, 87-91.	1.5	6
176	Hexagonal CoSe formation in mechanical alloyed Co75Se25 mixture. Solid State Communications, 2004, 131, 265-270.	1.9	38
177	XRD, DSC, MS and RS studies of Fe75Se25 iron selenide prepared by mechano-synthesis. Journal of Magnetism and Magnetic Materials, 2004, 270, 89-98.	2.3	31
178	Origin of photoluminescence in SrTiO3: a combined experimental and theoretical study. Journal of Solid State Chemistry, 2004, 177, 3879-3885.	2.9	60
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