

# Paulo Sergio Pizani

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. <i>Journal of Alloys and Compounds</i> , 2008, 459, 537-542.	5.5	235
2	On the changing electrochemical behaviour of boron-doped diamond surfaces with time after cathodic pre-treatments. <i>Electrochimica Acta</i> , 2006, 51, 4612-4619.	5.2	206
3	Photoluminescence of disordered ABO <sub>3</sub> perovskites. <i>Applied Physics Letters</i> , 2000, 77, 824-826.	3.3	171
4	Morphology and Blue Photoluminescence Emission of PbMoO <sub>4</sub> Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5812-5822.	3.1	171
5	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO <sub>3</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 5381-5387.	6.7	166
6	Electronic structure and optical properties of BaMoO <sub>4</sub> powders. <i>Current Applied Physics</i> , 2010, 10, 614-624.	2.4	150
7	Synthesis, growth process and photoluminescence properties of SrWO <sub>4</sub> powders. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 227-236.	9.4	141
8	Hierarchical Assembly of CaMoO <sub>4</sub> Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5207-5219.	3.1	130
9	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO <sub>4</sub> . <i>Crystal Growth and Design</i> , 2009, 9, 1002-1012.	3.0	115
10	Photoluminescent BaMoO <sub>4</sub> nanopowders prepared by complex polymerization method (CPM). <i>Journal of Solid State Chemistry</i> , 2006, 179, 671-678.	2.9	111
11	Room-temperature photoluminescence of BaTiO <sub>3</sub> : Joint experimental and theoretical study. <i>Physical Review B</i> , 2005, 71, .	3.2	103
12	Preparation, structural and optical characterization of BaWO <sub>4</sub> and PbWO <sub>4</sub> thin films prepared by a chemical route. <i>Journal of the European Ceramic Society</i> , 2003, 23, 3001-3007.	5.7	102
13	BaMoO <sub>4</sub> powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2674-2680.	4.0	100
14	Density functional theory calculation of the electronic structure of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> : Photoluminescent properties and structural disorder. <i>Physical Review B</i> , 2004, 69, .	3.2	98
15	Photoluminescence behavior in MgTiO <sub>3</sub> powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , 2009, 117, 192-198.	4.0	96
16	Photoluminescent behavior of BaWO <sub>4</sub> powders processed in microwave-hydrothermal. <i>Journal of Alloys and Compounds</i> , 2009, 474, 195-200.	5.5	92
17	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. <i>Solid State Ionics</i> , 2010, 181, 775-780.	2.7	92
18	Photoluminescence at room temperature in amorphous SrTiO <sub>3</sub> thin films obtained by chemical solution deposition. <i>Materials Chemistry and Physics</i> , 2003, 77, 598-602.	4.0	91

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19	The role of network modifiers in the creation of photoluminescence in CaTiO <sub>3</sub> . Materials Chemistry and Physics, 2003, 78, 227-233.	4.0	84
20	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO <sub>3</sub> powders. Journal of Applied Physics, 2008, 103, .	2.5	84
21	Raman investigations of rare earth orthovanadates. Journal of Applied Physics, 2007, 101, 053511.	2.5	77
22	Ferroelectric and optical properties of Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> thin film. Journal of Applied Physics, 2002, 91, 5972-5978.	2.5	74
23	Theoretical and experimental study on the photoluminescence in BaTiO <sub>3</sub> amorphous thin films prepared by the chemical route. Journal of Luminescence, 2003, 104, 175-185.	3.1	73
24	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
25	Structural studies of cobalt selenides prepared by mechanical alloying. Physica B: Condensed Matter, 2002, 324, 409-418.	2.7	70
26	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. Journal of Alloys and Compounds, 2009, 471, 253-258.	5.5	69
27	Photoluminescence in disordered Zn <sub>2</sub> TiO <sub>4</sub> . Journal of Solid State Chemistry, 2006, 179, 985-992.	2.9	66
28	Morphology and Photoluminescence of HfO <sub>2</sub> Obtained by Microwave-Hydrothermal. Nanoscale Research Letters, 2009, 4, 1371-1379.	5.7	65
29	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
30	Characterization of BaTi <sub>1-x</sub> Zr <sub>x</sub> O <sub>3</sub> thin films obtained by a soft chemical spin-coating technique. Journal of Applied Physics, 2004, 96, 4386-4391.	2.5	63
31	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO <sub>4</sub> crystals. Polyhedron, 2013, 50, 532-545.	2.2	63
32	Photoluminescence properties of BaMoO <sub>4</sub> amorphous thin films. Journal of Solid State Chemistry, 2005, 178, 2346-2353.	2.9	62
33	Intense visible photoluminescence in Ba(Zr <sub>0.25</sub> Ti <sub>0.75</sub> )O <sub>3</sub> thin films. Applied Physics Letters, 2007, 90, 011901.	3.3	61
34	Origin of photoluminescence in SrTiO <sub>3</sub> : a combined experimental and theoretical study. Journal of Solid State Chemistry, 2004, 177, 3879-3885.	2.9	60
35	The role of the Eu <sup>3+</sup> ions in structure and photoluminescence properties of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> powders. Optical Materials, 2009, 31, 995-999.	3.6	59
36	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. Advanced Materials for Optics and Electronics, 2000, 10, 235-240.	0.4	58

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37	Photoluminescence of nanostructured PbTiO <sub>3</sub> processed by high-energy mechanical milling. Applied Physics Letters, 2001, 78, 2148-2150.	3.3	57
38	Influence of Ca concentration on the electric, morphological, and structural properties of (Pb,Ca)TiO <sub>3</sub> thin films. Journal of Applied Physics, 2002, 91, 6650.	2.5	57
39	Conditions giving rise to intense visible room temperature photoluminescence in SrWO <sub>4</sub> thin films: the role of disorder. Chemical Physics, 2005, 312, 1-9.	1.9	57
40	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O <sub>3</sub> thin films. Acta Materialia, 2007, 55, 6416-6426.	7.9	57
41	Tensile and compressive strain relief in In <sub>x</sub> Ga <sub>1-x</sub> As epilayers grown on InP probed by Raman scattering. Journal of Applied Physics, 1997, 82, 803-809.	2.5	55
42	Structural studies of iron selenides prepared by mechanical alloying. Solid State Communications, 2002, 123, 179-184.	1.9	54
43	Towards an insight on the photoluminescence of disordered CaWO <sub>4</sub> from a joint experimental and theoretical analysis. Journal of Solid State Chemistry, 2005, 178, 1284-1291.	2.9	50
44	High temperature Raman spectra of L-leucine crystals. Brazilian Journal of Physics, 2008, 38, 131-137.	1.4	50
45	Effect of the Order and Disorder of BaMoO <sub>4</sub> Powders in Photoluminescent Properties. Journal of Fluorescence, 2008, 18, 51-59.	2.5	49
46	Evolution of photoluminescence as a function of the structural order or disorder in CaMoO <sub>4</sub> nanopowders. Journal of Applied Physics, 2008, 104, .	2.5	49
47	Contribution of structural order-disorder to the green photoluminescence of PbWO <sub>4</sub> . Physical Review B, 2007, 75, .	3.2	48
48	Synthesis of (Ca,Nd)TiO <sub>3</sub> powders by complex polymerization, Rietveld refinement and optical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1050-1059.	3.9	48
49	Correlation among Order~Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. Chemistry of Materials, 2006, 18, 2904-2911.	6.7	47
50	Synthesis and photoluminescence behavior of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> powders obtained by the complex polymerization method. Journal of Alloys and Compounds, 2009, 478, 661-670.	5.5	47
51	Visible photoluminescence in amorphous ABO <sub>3</sub> perovskites. Applied Physics Letters, 2002, 81, 253-255.	3.3	46
52	High pressure Raman spectra of L-methionine crystal. Journal of Raman Spectroscopy, 2008, 39, 1356-1363.	2.5	46
53	Short-range disorder in lanthanum-doped lead titanate ceramics probed by Raman scattering. Applied Physics Letters, 1998, 72, 897-899.	3.3	45
54	Synthesis of SnO <sub>2</sub> Nanoribbons by a Carbothermal Reduction Process. Journal of Nanoscience and Nanotechnology, 2002, 2, 125-128.	0.9	45

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55	Room-temperature photoluminescence in structurally disordered SrWO <sub>4</sub> . Applied Physics Letters, 2006, 88, 211913.	3.3	45
56	Pressure-induced phase transitions in L-leucine crystal. Journal of Raman Spectroscopy, 2009, 40, 46-51.	2.5	45
57	Ductile and brittle modes in single-point-diamond-turning of silicon probed by Raman scattering. Journal of Materials Science Letters, 1999, 18, 1185-1187.	0.5	44
58	The nature of the photoluminescence in amorphized PZT. Journal of Luminescence, 2005, 111, 205-213.	3.1	43
59	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
60	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
61	Preparation of Pb(Zr,Ti)O <sub>3</sub> thin films by soft chemical route. Journal of the European Ceramic Society, 2004, 24, 2969-2976.	5.7	38
62	Hexagonal CoSe formation in mechanical alloyed Co <sub>75</sub> Se <sub>25</sub> mixture. Solid State Communications, 2004, 131, 265-270.	1.9	38
63	The role of structural order/disorder for visible intense photoluminescence in the BaZr <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> thin films. Chemical Physics, 2005, 316, 260-266.	1.9	38
64	Shape controlled synthesis of CaMoO <sub>4</sub> thin films and their photoluminescence property. Journal of Solid State Chemistry, 2008, 181, 1249-1257.	2.9	38
65	Combined Experimental and Theoretical Study to Understand the Photoluminescence of Sr <sub>1-x</sub> TiO <sub>3-x</sub> . Journal of Physical Chemistry B, 2004, 108, 9221-9227.	2.6	37
66	Photoluminescence in the Ca <sub>x</sub> Sr <sub>1-x</sub> WO <sub>4</sub> system at room temperature. Journal of Solid State Chemistry, 2008, 181, 1876-1881.	2.9	37
67	Influence of synthesis conditions on carbonate entrapment in perovskite SrSnO <sub>3</sub> . Materials Letters, 2009, 63, 118-120.	2.6	37
68	Investigation of phase transition in ferroelectric Pb <sub>0.70</sub> Sr <sub>0.30</sub> TiO <sub>3</sub> thin films. Journal of Applied Physics, 2004, 96, 1192-1196.	2.5	36
69	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
70	Raman characterization of structural disorder and residual strains in micromachined GaAs. Journal of Applied Physics, 2000, 87, 1280-1283.	2.5	33
71	The origin of photoluminescence in amorphous lead titanate. Journal of Materials Science, 2003, 38, 1175-1178.	3.7	33
72	X-ray diffraction, Raman, and photoacoustic studies of ZnTe nanocrystals. Journal of Applied Physics, 2009, 105, .	2.5	33

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73	Investigation on the structural properties in Er-doped PbTiO <sub>3</sub> compounds: A correlation between experimental and theoretical results. <i>Journal of Alloys and Compounds</i> , 2008, 462, 157-163.	5.5	32
74	Structure-Property Relations in Fluorophosphate Glasses: An Integrated Spectroscopic Strategy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2968-2986.	3.1	32
75	Correlation between the surface morphology and structure and the photoluminescence of amorphous PbTiO <sub>3</sub> thin films obtained by the chemical route. <i>Advanced Materials for Optics and Electronics</i> , 2000, 10, 81-89.	0.4	31
76	Room-temperature photoluminescence in amorphous SrTiO <sub>3</sub> - the influence of acceptor-type dopants. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 629-632.	2.3	31
77	Structural analysis of pure and LiCF <sub>3</sub> SO <sub>3</sub> -doped amorphous WO <sub>3</sub> electrochromic films and discussion on coloration kinetics. <i>Journal of Applied Physics</i> , 2004, 96, 2102-2109.	2.5	31
78	XRD, DSC, MS and RS studies of Fe <sub>75</sub> Se <sub>25</sub> iron selenide prepared by mechano-synthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 270, 89-98.	2.3	31
79	Theoretical methods for calculations of optical phonons in BiOBr: Analysis and correction of propagated errors. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1356-1363.	2.5	31
80	High strain effects evidenced by Raman scattering in arsenic clusters in As-implanted GaAs. <i>Applied Physics Letters</i> , 1995, 66, 1927-1929.	3.3	30
81	Photoluminescence of crystalline and disordered BTO:Mn powder: Experimental and theoretical modeling. <i>Journal of Luminescence</i> , 2007, 126, 771-778.	3.1	29
82	Er <sup>3+</sup> as marker for order-disorder determination in the PbTiO <sub>3</sub> system. <i>Chemical Physics</i> , 2007, 335, 7-14.	1.9	28
83	Contribution of structural order-disorder to the room-temperature photoluminescence of lead zirconate titanate powders. <i>Journal of Luminescence</i> , 2007, 127, 689-695.	3.1	28
84	Nucleation and growth of nanocrystalline pyrite nickel diselenide by mechanical alloying. <i>Solid State Communications</i> , 2003, 128, 229-234.	1.9	27
85	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr <sub>0.25</sub> Ti <sub>0.75</sub> ]O <sub>3</sub> powders: An experimental/theoretical correlation. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1782-1789.	4.0	27
86	Room temperature photoluminescence of BCT prepared by Complex Polymerization Method. <i>Current Applied Physics</i> , 2010, 10, 16-20.	2.4	27
87	The origin of the unusual DSC peaks of supercooled barium disilicate liquid. <i>CrystEngComm</i> , 2019, 21, 2768-2778.	2.6	27
88	Photoluminescence: A probe for short, medium and long-range self-organization order in oxide. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3997-4002.	2.9	26
89	Photoluminescence in disordered Sm-doped PbTiO <sub>3</sub> : Experimental and theoretical approach. <i>Journal of Applied Physics</i> , 2006, 100, 034917.	2.5	26
90	Photoluminescent property of mechanically milled BaWO <sub>4</sub> powder. <i>Journal of Luminescence</i> , 2007, 126, 741-746.	3.1	26

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91	GaSe formation by mechanical alloying Ga <sub>50</sub> Se <sub>50</sub> mixture. Solid State Communications, 2003, 126, 611-615.	1.9	25
92	Reverse Monte Carlo simulations and Raman scattering of an amorphous GeSe <sub>4</sub> alloy produced by mechanical alloying. Solid State Communications, 2005, 133, 411-416.	1.9	25
93	Experimental and Theoretical Investigation of the Room-Temperature Photoluminescence of Amorphized Pb(Zr,Ti)O <sub>3</sub> . ChemPhysChem, 2005, 6, 1530-1536.	2.1	25
94	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O <sub>3</sub> powders. Journal of Alloys and Compounds, 2008, 464, 340-346.	5.5	25
95	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
96	The Role of Short-Range Disorder in BaWO <sub>4</sub> Crystals in the Intense Green Photoluminescence. Journal of Physical Chemistry C, 2011, 115, 12180-12186.	3.1	24
97	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
98	Spectroscopy studies on Schiff base N,N'-bis(salicylidene)-1,2-phenylenediamine by NMR, infrared, Raman and DFT calculations. Journal of Molecular Structure, 2015, 1097, 106-111.	3.6	24
99	(Sr,Tm)ZrO <sub>3</sub> powders prepared by the polymeric precursor method: Synthesis, optical properties and morphological characteristics. Optical Materials, 2009, 31, 1134-1143.	3.6	23
100	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO <sub>3</sub> 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
101	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> thin films. Journal of Applied Physics, 2004, 96, 2186-2191.	2.5	22
102	Photoluminescence in amorphous zirconium titanate. Applied Physics A: Materials Science and Processing, 2004, 78, 355-358.	2.3	22
103	Structural, thermal and optical studies of mechanical alloyed Ga <sub>40</sub> Se <sub>60</sub> mixture. Solid State Communications, 2006, 139, 70-75.	1.9	22
104	Structure evaluation of submicrometre silicon chips removed by diamond turning. Semiconductor Science and Technology, 2007, 22, 561-573.	2.0	22
105	High-pressure Raman scattering of MgMoO <sub>4</sub> . Vibrational Spectroscopy, 2013, 68, 34-39.	2.2	22
106	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
107	Structural phase evolution of strontium-doped lead titanate thin films prepared by the soft chemical technique. Journal of Materials Research, 2003, 18, 659-663.	2.6	21
108	Structural, thermal and optical studies of Ni <sub>3</sub> Se <sub>2</sub> compound produced by mechanical alloying. Solid State Ionics, 2004, 168, 205-210.	2.7	20

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109	Structural phase transition and dynamical properties of PbTiO <sub>3</sub> simulated by molecular dynamics. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 5771-5783.	1.8	20
110	Structural transition on Pb <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> produced by chemical method. <i>Journal of Alloys and Compounds</i> , 2009, 475, 940-945.	5.5	20
111	Characterization of Meldrum'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. <i>Journal of Molecular Structure</i> , 2015, 1091, 37-42.	3.6	20
112	Ionic conductivity and mixed-ion effect in mixed alkali metaphosphate glasses. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6594-6600.	2.8	20
113	Spin-phonon coupling in uniaxial anisotropic spin-glass based on Fe <sub>2</sub> TiO <sub>5</sub> pseudobrookite. <i>Journal of Alloys and Compounds</i> , 2019, 799, 563-572.	5.5	20
114	Surface amorphization in diamond turning of silicon crystal investigated by transmission electron microscopy. <i>Journal of Non-Crystalline Solids</i> , 2000, 272, 174-178.	3.1	19
115	Theoretical and experimental study of the relation between photoluminescence and structural disorder in barium and strontium titanate thin films. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2337-2340.	5.7	19
116	Stability of the crystal structure of L-alanine under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 553-557.	1.5	19
117	BaZrO <sub>3</sub> photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 694-701.	2.0	19
118	Characterization of GaAs wire crystals grown on porous silicon by Raman scattering. <i>Journal of Applied Physics</i> , 1997, 82, 6247-6250.	2.5	18
119	Raman probing of thermal damage depth profile in annealed GaAs. <i>Journal of Applied Physics</i> , 1998, 84, 6588-6591.	2.5	18
120	Brittle to Ductile Transition Dependence upon the Transition Pressure Value of Semiconductors in Micromachining. <i>Journal of Materials Research</i> , 2000, 15, 1688-1692.	2.6	18
121	Electrical conduction mechanism and phase transition studies using dielectric properties and Raman spectroscopy in ferroelectric Pb <sub>0.76</sub> Ca <sub>0.24</sub> TiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2003, 94, 7256-7260.	2.5	18
122	A DFT rationalization of the room temperature photoluminescence of Li <sub>2</sub> TiSiO <sub>5</sub> . <i>Chemical Physics Letters</i> , 2004, 398, 330-335.	2.6	18
123	Polymeric precursor method to the synthesis of XWO <sub>4</sub> (X=Ca and Sr) thin films—Structural, microstructural and spectroscopic investigations. <i>Journal of Alloys and Compounds</i> , 2009, 477, 608-615.	5.5	18
124	High-temperature, high-pressure Raman spectra and their intrinsic anharmonic effects in the perovskite Pb <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	18
125	Strain relaxation in [001] and [111] GaAs/CaF <sub>2</sub> analyzed by Raman spectroscopy. <i>Journal of Applied Physics</i> , 1995, 77, 1126-1132.	2.5	17
126	Photoluminescence in amorphous TiO <sub>2</sub> -PbO systems. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 567-569.	2.3	17



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127	Morphological studies of annealed GaAs and GaSb surfaces by micro-Raman spectroscopy and EDX microanalysis. <i>Applied Surface Science</i> , 2002, 200, 111-116.	6.1	17
128	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO <sub>3</sub> systems. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 12-17.	4.0	17
129	Effect of the initial structure of silicon surface on the generation of multiple structural phases by cyclic microindentation. <i>Applied Physics Letters</i> , 2006, 89, 031917.	3.3	16
130	Pb <sub>1-x</sub> CaxTiO <sub>3</sub> solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach. <i>Physical Review B</i> , 2007, 75, .	3.2	16
131	High temperature phase transition in monohydrated L-asparagine crystal. <i>Solid State Communications</i> , 2007, 141, 29-32.	1.9	16
132	Annealing treatment of amorphous silicon generated by single point diamond turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 680-688.	3.0	16
133	Lead and Aluminum Bonding in Pb~Al Metaphosphate Glasses. <i>Inorganic Chemistry</i> , 2008, 47, 690-698.	4.0	16
134	Grain size effect on the structural and dielectric properties of Pb <sub>0.85</sub> La <sub>0.15</sub> TiO <sub>3</sub> ferroelectric ceramic compound. <i>Ceramics International</i> , 2012, 38, 5879-5887.	4.8	16
135	Diamond turning of small Fresnel lens array in single crystal InSb. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 055025.	2.6	16
136	Prepara~o de LiNbO <sub>3</sub> e LiNbO <sub>3</sub> :Eu <sup>3+</sup> pelo m~todo dos precursores polim~ricos. <i>Quimica Nova</i> , 2002, 25, 1067-1073.	0.3	15
137	Effects of post-annealing on the dielectric properties of Au/BaTiO <sub>3</sub> /Pt thin film capacitors. <i>Materials Letters</i> , 2004, 58, 1715-1721.	2.6	15
138	Absence of relaxor-like ferroelectric phase transition in (Pb,Sr)TiO <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 813-817.	2.3	15
139	Lattice dynamics and pressure-induced phase transitions in $\hat{\pm}$ -BaTeMo <sub>2</sub> O <sub>9</sub> . <i>Journal of Physics Condensed Matter</i> , 2013, 25, 125404.	1.8	15
140	Strain effects on As and Sb segregates immersed in annealed GaAs and GaSb by Raman spectroscopy. <i>Journal of Applied Physics</i> , 2001, 89, 3631-3633.	2.5	14
141	Characterization of La-Doped PBN Ferroelectric Ceramics. <i>Ferroelectrics</i> , 2006, 337, 213-218.	0.6	14
142	Raman spectroscopy of l-phenylalanine nitric acid submitted to high pressure. <i>Vibrational Spectroscopy</i> , 2016, 85, 97-103.	2.2	14
143	Structural and dynamic properties of vitreous and crystalline barium disilicate: molecular dynamics simulation and Raman scattering experiments. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 435301.	2.8	14
144	Alloying effects on the critical layer thickness in In <sub>x</sub> Ga <sub>1-x</sub> As/InP heterostructures analyzed by Raman scattering. <i>Applied Physics Letters</i> , 1998, 72, 436-438.	3.3	13

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145	Amorphization and grain size effect on milled PbTiO <sub>3</sub> studied by Raman scattering and visible photoluminescence emission. Applied Physics A: Materials Science and Processing, 2002, 74, 787-789.	2.3	13
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