

Paulo Sergio Pizani

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6,853
ext. citations

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L-index

#	Paper	IF	Citations
226	Synthesis and characterization of CuO flower-nanostructure processing by a domestic hydrothermal microwave. <i>Journal of Alloys and Compounds</i> , 2008 , 459, 537-542	5.7	200
225	On the changing electrochemical behaviour of boron-doped diamond surfaces with time after cathodic pre-treatments. <i>Electrochimica Acta</i> , 2006 , 51, 4612-4619	6.7	184
224	Photoluminescence of disordered ABO ₃ perovskites. <i>Applied Physics Letters</i> , 2000 , 77, 824-826	3.4	160
223	Morphology and Blue Photoluminescence Emission of PbMoO ₄ Processed in Conventional Hydrothermal. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5812-5822	3.8	156
222	Hydrothermal Microwave: A New Route to Obtain Photoluminescent Crystalline BaTiO ₃ Nanoparticles. <i>Chemistry of Materials</i> , 2008 , 20, 5381-5387	9.6	147
221	Electronic structure and optical properties of BaMoO ₄ powders. <i>Current Applied Physics</i> , 2010 , 10, 614-624	6.2	130
220	Synthesis, growth process and photoluminescence properties of SrWO ₄ powders. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 227-36	9.3	124
219	Hierarchical Assembly of CaMoO ₄ Nano-Octahedrons and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5207-5219	3.8	113
218	Synthesis, Characterization, Anisotropic Growth and Photoluminescence of BaWO ₄ . <i>Crystal Growth and Design</i> , 2009 , 9, 1002-1012	3.5	102
217	Photoluminescent BaMoO ₄ nanopowders prepared by complex polymerization method (CPM). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 671-678	3.3	100
216	Density functional theory calculation of the electronic structure of Ba _{0.5} Sr _{0.5} TiO ₃ : Photoluminescent properties and structural disorder. <i>Physical Review B</i> , 2004 , 69,	3.3	94
215	Room-temperature photoluminescence of BaTiO ₃ : Joint experimental and theoretical study. <i>Physical Review B</i> , 2005 , 71,	3.3	93
214	BaMoO ₄ 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	3.9	90
213	Photoluminescence at room temperature in amorphous SrTiO ₃ thin films obtained by chemical solution deposition. <i>Materials Chemistry and Physics</i> , 2003 , 77, 598-602	4.4	89
212	Preparation, structural and optical characterization of BaWO ₄ and PbWO ₄ thin films prepared by a chemical route. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 3001-3007	6	89
211	Photoluminescence behavior in MgTiO ₃ powders with vacancy/distorted clusters and octahedral tilting. <i>Materials Chemistry and Physics</i> , 2009 , 117, 192-198	4.4	79
210	ZnO architectures synthesized by a microwave-assisted hydrothermal method and their photoluminescence properties. <i>Solid State Ionics</i> , 2010 , 181, 775-780	3.3	79

209	The role of network modifiers in the creation of photoluminescence in CaTiO ₃ . <i>Materials Chemistry and Physics</i> , 2003 , 78, 227-233	4.4	79
208	Experimental and theoretical correlation of very intense visible green photoluminescence in BaZrO ₃ powders. <i>Journal of Applied Physics</i> , 2008 , 103, 063527	2.5	76
207	Photoluminescent behavior of BaWO ₄ powders processed in microwave-hydrothermal. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 195-200	5.7	75
206	Theoretical and experimental study on the photoluminescence in BaTiO ₃ amorphous thin films prepared by the chemical route. <i>Journal of Luminescence</i> , 2003 , 104, 175-185	3.8	70
205	Photoluminescence of barium titanate and barium zirconate in multilayer disordered thin films at room temperature. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 8938-42	2.8	68
204	Ferroelectric and optical properties of Ba _{0.8} Sr _{0.2} TiO ₃ thin film. <i>Journal of Applied Physics</i> , 2002 , 91, 5972-5978	6.7	67
203	Raman investigations of rare earth orthovanadates. <i>Journal of Applied Physics</i> , 2007 , 101, 053511	2.5	62
202	Intense blue and green photoluminescence emissions at room temperature in barium zirconate powders. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 253-258	5.7	59
201	Characterization of BaTi _{1-x} Zr _x O ₃ thin films obtained by a soft chemical spin-coating technique. <i>Journal of Applied Physics</i> , 2004 , 96, 4386-4391	2.5	59
200	Structural studies of cobalt selenides prepared by mechanical alloying. <i>Physica B: Condensed Matter</i> , 2002 , 324, 409-418	2.8	59
199	Photoluminescence in disordered Zn ₂ TiO ₄ . <i>Journal of Solid State Chemistry</i> , 2006 , 179, 985-992	3.3	58
198	Intense visible photoluminescence in Ba(Zr _{0.25} Ti _{0.75})O ₃ thin films. <i>Applied Physics Letters</i> , 2007 , 90, 011901	3.4	58
197	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO ₄ crystals. <i>Polyhedron</i> , 2013 , 50, 532-545	2.7	57
196	Toward an understanding of intermediate- and short-range defects in ZnO single crystals. A combined experimental and theoretical study. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 8970-8	2.8	57
195	Origin of photoluminescence in SrTiO ₃ : a combined experimental and theoretical study. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3879-3885	3.3	57
194	Amorphous lead titanate: a new wide-band gap semiconductor with photoluminescence at room temperature. <i>Advanced Materials for Optics and Electronics</i> , 2000 , 10, 235-240		57
193	Morphology and Photoluminescence of HfO ₂ Obtained by Microwave-Hydrothermal. <i>Nanoscale Research Letters</i> , 2009 , 4, 1371-1379	5	56
192	Photoluminescence properties of BaMoO ₄ amorphous thin films. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2346-2353	3.3	55

191	Combined experimental and theoretical investigations of the photoluminescent behavior of Ba(Ti,Zr)O ₃ thin films. <i>Acta Materialia</i> , 2007 , 55, 6416-6426	8.4	53
190	Conditions giving rise to intense visible room temperature photoluminescence in SrWO ₄ thin films: the role of disorder. <i>Chemical Physics</i> , 2005 , 312, 1-9	2.3	53
189	Influence of Ca concentration on the electric, morphological, and structural properties of (Pb,Ca)TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2002 , 91, 6650	2.5	53
188	The role of the Eu ³⁺ ions in structure and photoluminescence properties of SrBi ₂ Nb ₂ O ₉ powders. <i>Optical Materials</i> , 2009 , 31, 995-999	3.3	52
187	Photoluminescence of nanostructured PbTiO ₃ processed by high-energy mechanical milling. <i>Applied Physics Letters</i> , 2001 , 78, 2148-2150	3.4	52
186	Tensile and compressive strain relief in In _x Ga _{1-x} As epilayers grown on InP probed by Raman scattering. <i>Journal of Applied Physics</i> , 1997 , 82, 803-809	2.5	48
185	Structural studies of iron selenides prepared by mechanical alloying. <i>Solid State Communications</i> , 2002 , 123, 179-184	1.6	48
184	Towards an insight on the photoluminescence of disordered CaWO ₄ from a joint experimental and theoretical analysis. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1284-1291	3.3	46
183	Short-range disorder in lanthanum-doped lead titanate ceramics probed by Raman scattering. <i>Applied Physics Letters</i> , 1998 , 72, 897-899	3.4	45
182	Synthesis of (Ca,Nd)TiO ₃ powders by complex polymerization, Rietveld refinement and optical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 1050-9	4.4	44
181	Room-temperature photoluminescence in structurally disordered SrWO ₄ . <i>Applied Physics Letters</i> , 2006 , 88, 2119-13	3.4	44
180	Contribution of structural order-disorder to the green photoluminescence of PbWO ₄ . <i>Physical Review B</i> , 2007 , 75,	3.3	44
179	Correlation among Order/Disorder, Electronic Levels, and Photoluminescence in Amorphous CT:Sm. <i>Chemistry of Materials</i> , 2006 , 18, 2904-2911	9.6	43
178	Visible photoluminescence in amorphous ABO ₃ perovskites. <i>Applied Physics Letters</i> , 2002 , 81, 253-255	3.4	43
177	Effect of the order and disorder of BaMoO ₄ powders in photoluminescent properties. <i>Journal of Fluorescence</i> , 2008 , 18, 51-9	2.4	42
176	High pressure Raman spectra of L-methionine crystal. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 1356-1363		41
175	Synthesis of SnO ₂ nanoribbons by a carbothermal reduction process. <i>Journal of Nanoscience and Nanotechnology</i> , 2002 , 2, 125-8	1.3	41
174	Evolution of photoluminescence as a function of the structural order or disorder in CaMoO ₄ nanopowders. <i>Journal of Applied Physics</i> , 2008 , 104, 043505	2.5	40

173	High temperature Raman spectra of L-leucine crystals. <i>Brazilian Journal of Physics</i> , 2008 , 38, 131-137	1.2	40
172	Pressure-induced phase transitions in L-leucine crystal. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 46-51	2.3	39
171	Synthesis and photoluminescence behavior of Bi ₄ Ti ₃ O ₁₂ powders obtained by the complex polymerization method. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 661-670	5.7	39
170	The nature of the photoluminescence in amorphized PZT. <i>Journal of Luminescence</i> , 2005 , 111, 205-213	3.8	39
169	Ductile and brittle modes in single-point-diamond-turning of silicon probed by Raman scattering. <i>Journal of Materials Science Letters</i> , 1999 , 18, 1185-1187		38
168	Network Structure and Rare-Earth Ion Local Environments in Fluoride Phosphate Photonic Glasses Studied by Solid-State NMR and Electron Paramagnetic Resonance Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24574-24587	3.8	37
167	Shape controlled synthesis of CaMoO ₄ thin films and their photoluminescence property. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1249-1257	3.3	36
166	Photoluminescence in the Ca _x Sr _{1-x} WO ₄ system at room temperature. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1876-1881	3.3	36
165	Combined Experimental and Theoretical Study to Understand the Photoluminescence of Sr _{1-x} TiO _{3-x} . <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9221-9227	3.4	36
164	Preparation of Pb(Zr,Ti)O ₃ thin films by soft chemical route. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2969-2976	6	34
163	The role of structural order/disorder for visible intense photoluminescence in the BaZr _{0.5} Ti _{0.5} O ₃ thin films. <i>Chemical Physics</i> , 2005 , 316, 260-266	2.3	34
162	Influence of the modifier on the short and long range disorder of stannate perovskites. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 507-512	5.7	33
161	Investigation of phase transition in ferroelectric Pb _{0.70} Sr _{0.30} TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2004 , 96, 1192-1196	2.5	33
160	Investigation on the structural properties in Er-doped PbTiO ₃ compounds: A correlation between experimental and theoretical results. <i>Journal of Alloys and Compounds</i> , 2008 , 462, 157-163	5.7	31
159	Hexagonal CoSe formation in mechanical alloyed Co ₇₅ Se ₂₅ mixture. <i>Solid State Communications</i> , 2004 , 131, 265-270	1.6	31
158	X-ray diffraction, Raman, and photoacoustic studies of ZnTe nanocrystals. <i>Journal of Applied Physics</i> , 2009 , 105, 123532	2.5	30
157	Raman characterization of structural disorder and residual strains in micromachined GaAs. <i>Journal of Applied Physics</i> , 2000 , 87, 1280-1283	2.5	30
156	Influence of synthesis conditions on carbonate entrapment in perovskite SrSnO ₃ . <i>Materials Letters</i> , 2009 , 63, 118-120	3.3	29

155	XRD, DSC, MS and RS studies of Fe ₇₅ Se ₂₅ iron selenide prepared by mechano-synthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 270, 89-98	2.8	29
154	Correlation between the surface morphology and structure and the photoluminescence of amorphous PbTiO ₃ thin films obtained by the chemical route. <i>Advanced Materials for Optics and Electronics</i> , 2000 , 10, 81-89		29
153	Structure-Property Relations in Fluorophosphate Glasses: An Integrated Spectroscopic Strategy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2968-2986	3.8	28
152	High strain effects evidenced by Raman scattering in arsenic clusters in As-implanted GaAs. <i>Applied Physics Letters</i> , 1995 , 66, 1927-1929	3.4	28
151	Room-temperature photoluminescence in amorphous SrTiO ₃ —the influence of acceptor-type dopants. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 75, 629-632	2.6	27
150	The origin of photoluminescence in amorphous lead titanate. <i>Journal of Materials Science</i> , 2003 , 38, 1175-1178	2.3	27
149	Influence of minor oxidation of the precursor powders to form nanocrystalline CdTe by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2008 , 466, 80-86	5.7	26
148	Contribution of structural order-disorder to the room-temperature photoluminescence of lead zirconate titanate powders. <i>Journal of Luminescence</i> , 2007 , 127, 689-695	3.8	26
147	Photoluminescence of crystalline and disordered BTO:Mn powder: Experimental and theoretical modeling. <i>Journal of Luminescence</i> , 2007 , 126, 771-778	3.8	25
146	Intense and broad photoluminescence at room temperature in structurally disordered Ba[Zr _{0.25} Ti _{0.75}]O ₃ powders: An experimental/theoretical correlation. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1782-1789	3.9	25
145	Structural analysis of pure and LiCF ₃ SO ₃ -doped amorphous WO ₃ electrochromic films and discussion on coloration kinetics. <i>Journal of Applied Physics</i> , 2004 , 96, 2102-2109	2.5	25
144	Nucleation and growth of nanocrystalline pyrite nickel diselenide by mechanical alloying. <i>Solid State Communications</i> , 2003 , 128, 229-234	1.6	25
143	Study of structural evolution and photoluminescent properties at room temperature of Ca(Zr,Ti)O ₃ powders. <i>Journal of Alloys and Compounds</i> , 2008 , 464, 340-346	5.7	24
142	Phase transformation and residual stress probed by Raman spectroscopy in diamond-turned single crystal silicon. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2008 , 222, 1065-1073	2.4	24
141	Er ³⁺ as marker for order-disorder determination in the PbTiO ₃ system. <i>Chemical Physics</i> , 2007 , 335, 7-14	2.3	24
140	Photoluminescence in disordered Sm-doped PbTiO ₃ : Experimental and theoretical approach. <i>Journal of Applied Physics</i> , 2006 , 100, 034917	2.5	24
139	Photoluminescent property of mechanically milled BaWO ₄ powder. <i>Journal of Luminescence</i> , 2007 , 126, 741-746	3.8	23
138	Experimental and theoretical investigation of the room-temperature photoluminescence of amorphized Pb(Zr,Ti)O ₃ . <i>ChemPhysChem</i> , 2005 , 6, 1530-6	3.2	23

137	(Sr,Tm)ZrO ₃ powders prepared by the polymeric precursor method: Synthesis, optical properties and morphological characteristics. <i>Optical Materials</i> , 2009 , 31, 1134-1143	3.3	22
136	Photoluminescence: A probe for short, medium and long-range self-organization order in ZrTiO ₄ oxide. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3997-4002	3.3	22
135	GaSe formation by mechanical alloying Ga ₅₀ Se ₅₀ mixture. <i>Solid State Communications</i> , 2003 , 126, 611-615	2.2	22
134	The Role of Short-Range Disorder in BaWO ₄ Crystals in the Intense Green Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12180-12186	3.8	21
133	Room temperature photoluminescence of BCT prepared by Complex Polymerization Method. <i>Current Applied Physics</i> , 2010 , 10, 16-20	2.6	21
132	Structural phase evolution of strontium-doped lead titanate thin films prepared by the soft chemical technique. <i>Journal of Materials Research</i> , 2003 , 18, 659-663	2.5	21
131	Reverse Monte Carlo simulations and Raman scattering of an amorphous GeSe ₄ alloy produced by mechanical alloying. <i>Solid State Communications</i> , 2005 , 133, 411-416	1.6	21
130	Spectroscopy studies on Schiff base N,N'-bis(salicylidene)-1,2-phenylenediamine by NMR, infrared, Raman and DFT calculations. <i>Journal of Molecular Structure</i> , 2015 , 1097, 106-111	3.4	20
129	Dependence of brittle-to-ductile transition on crystallographic direction in diamond turning of single-crystal silicon. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2012 , 226, 445-458	2.4	20
128	Structural, thermal and optical studies of mechanical alloyed Ga ₄₀ Se ₆₀ mixture. <i>Solid State Communications</i> , 2006 , 139, 70-75	1.6	20
127	Structure evaluation of submicrometre silicon chips removed by diamond turning. <i>Semiconductor Science and Technology</i> , 2007 , 22, 561-573	1.8	19
126	The origin of the unusual DSC peaks of supercooled barium disilicate liquid. <i>CrystEngComm</i> , 2019 , 21, 2768-2778	3.3	18
125	Very Intense Distinct Blue and Red Photoluminescence Emission in MgTiO ₃ Thin Films Prepared by the Polymeric Precursor Method: An Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15557-15567	3.8	18
124	BaZrO ₃ photoluminescence property: An ab initio analysis of structural deformation and symmetry changes. <i>International Journal of Quantum Chemistry</i> , 2011 , 111, 694-701	2.1	18
123	Structural phase transition and dynamical properties of PbTiO simulated by molecular dynamics. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5771-5783	1.8	18
122	High oxygen-pressure annealing effects on the ferroelectric and structural properties of PbZr _{0.3} Ti _{0.7} O ₃ thin films. <i>Journal of Applied Physics</i> , 2004 , 96, 2186-2191	2.5	18
121	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	3.4	17
120	Characterization of GaAs wire crystals grown on porous silicon by Raman scattering. <i>Journal of Applied Physics</i> , 1997 , 82, 6247-6250	2.5	17

119	Photoluminescence in amorphous zirconium titanate. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 355-358	2.6	17
118	Electrical conduction mechanism and phase transition studies using dielectric properties and Raman spectroscopy in ferroelectric Pb _{0.76} Ca _{0.24} TiO ₃ thin films. <i>Journal of Applied Physics</i> , 2003 , 94, 7256-7260	2.5	17
117	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	6	17
116	Raman probing of thermal damage depth profile in annealed GaAs. <i>Journal of Applied Physics</i> , 1998 , 84, 6588-6591	2.5	17
115	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	2.3	16
114	High-pressure Raman scattering of MgMoO ₄ . <i>Vibrational Spectroscopy</i> , 2013 , 68, 34-39	2.1	16
113	High-temperature, high-pressure Raman spectra and their intrinsic anharmonic effects in the perovskite Pb _{1-x} LaxTiO ₃ . <i>Journal of Applied Physics</i> , 2013 , 113, 013512	2.5	16
112	Stability of the crystal structure of L-valine under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 553-557	1.3	16
111	Polymeric precursor method to the synthesis of XWO ₄ (X = Ca and Sr) thin films: structural, microstructural and spectroscopic investigations. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 608-615	5.7	16
110	Structural deformation monitored by vibrational properties and orbital modeling in (Pb,Sm)TiO ₃ systems. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 12-17	3.9	16
109	Lead and aluminum bonding in Pb-Al metaphosphate glasses. <i>Inorganic Chemistry</i> , 2008 , 47, 690-8	5.1	16
108	Structural, thermal and optical studies of Ni ₃ Se ₂ compound produced by mechanical alloying. <i>Solid State Ionics</i> , 2004 , 168, 205-210	3.3	16
107	A DFT rationalization of the room temperature photoluminescence of Li ₂ TiSiO ₅ . <i>Chemical Physics Letters</i> , 2004 , 398, 330-335	2.5	16
106	Morphological studies of annealed GaAs and GaSb surfaces by micro-Raman spectroscopy and EDX microanalysis. <i>Applied Surface Science</i> , 2002 , 200, 111-116	6.7	16
105	Surface amorphization in diamond turning of silicon crystal investigated by transmission electron microscopy. <i>Journal of Non-Crystalline Solids</i> , 2000 , 272, 174-178	3.9	16
104	Structural transition on Pb _{1-x} SrxTiO ₃ produced by chemical method. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 940-945	5.7	15
103	Preparação de LiNbO ₃ e LiNbO ₃ :Eu ³⁺ pelo método dos precursores poliméricos. <i>Química Nova</i> , 2002 , 25, 1067-1073	1.6	15
102	Absence of relaxor-like ferroelectric phase transition in (Pb,Sr)TiO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 813-817	2.6	15

101	Photoluminescence in amorphous TiO ₂ -PbO systems. <i>Applied Physics A: Materials Science and Processing</i> , 2001 , 73, 567-569	2.6	15
100	Brittle to ductile transition dependence upon the transition pressure value of semiconductors in micromachining. <i>Journal of Materials Research</i> , 2000 , 15, 1688-1692	2.5	15
99	Strain relaxation in [001]- and [111]-GaAs/CaF ₂ analyzed by Raman spectroscopy. <i>Journal of Applied Physics</i> , 1995 , 77, 1126-1132	2.5	15
98	A Raman investigation of the structural evolution of supercooled liquid barium disilicate during crystallization. <i>International Journal of Applied Glass Science</i> , 2018 , 9, 510-517	1.8	15
97	Characterization of La-Doped PBN Ferroelectric Ceramics. <i>Ferroelectrics</i> , 2006 , 337, 213-218	0.6	14
96	Effects of post-annealing on the dielectric properties of Au/BaTiO ₃ /Pt thin film capacitors. <i>Materials Letters</i> , 2004 , 58, 1715-1721	3.3	14
95	Ionic conductivity and mixed-ion effect in mixed alkali metaphosphate glasses. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6594-6600	3.6	13
94	Short-range structure of Pb _{1-x} BaxZr _{0.65} Ti _{0.35} O ₃ ceramic compounds probed by XAS and Raman scattering techniques. <i>Journal of Applied Physics</i> , 2009 , 105, 033508	2.5	13
93	Annealing treatment of amorphous silicon generated by single point diamond turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 34, 680-688	3.2	13
92	Growth and characterization of LiYF ₄ :Nd single crystal fibres for optical applications. <i>Journal of Crystal Growth</i> , 2006 , 292, 149-154	1.6	13
91	Amorphization and grain size effect on milled PbTiO ₃ studied by Raman scattering and visible photoluminescence emission. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 787-789	2.6	13
90	A novel approach for the development of photoluminescent material. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 529-532	2.6	13
89	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	13
88	High pressure Raman scattering of dl-leucine crystals. <i>Vibrational Spectroscopy</i> , 2013 , 66, 119-122	2.1	12
87	Grain size effect on the structural and dielectric properties of Pb _{0.85} La _{0.15} TiO ₃ ferroelectric ceramic compound. <i>Ceramics International</i> , 2012 , 38, 5879-5887	5.1	12
86	Structural, thermal and vibrational characterization of mechanical alloyed In ₅₀ Te ₅₀ . <i>Materials Chemistry and Physics</i> , 2011 , 125, 257-262	4.4	12
85	High temperature phase transition in monohydrated L-asparagine crystal. <i>Solid State Communications</i> , 2007 , 141, 29-32	1.6	12
84	Pb _{1-x} CaxTiO ₃ solid solution (x=0.0, 0.25, 0.50, and 0.75): A theoretical and experimental approach. <i>Physical Review B</i> , 2007 , 75,	3.3	12

83	Fotoluminescência em materiais com desordem estrutural. <i>Ceramica</i> , 2004 , 50, 138-144	1	12
82	Reverse Monte Carlo simulations, Raman scattering, and thermal studies of an amorphous Ge ₃₀ Se ₇₀ alloy produced by mechanical alloying. <i>Journal of Chemical Physics</i> , 2004 , 120, 329-36	3.9	12
81	A Raman and dielectric study of a diffuse phase transition in (Pb _{1-x} Ca _x)TiO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 78, 349-354	2.6	12
80	Molecular dynamics simulation of the structural and dynamical properties of crystalline BaO. <i>Physical Review B</i> , 2005 , 71,	3.3	12
79	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	3	12
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