

J Agostinho Moreira

List of Publications by Year in descending order

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150
papers

2,252
citations

257101

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153
all docs

153
docs citations

153
times ranked

2943
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental diagnosis with Raman Spectroscopy applied to diatoms. Biosensors and Bioelectronics, 2022, 198, 113800.	5.3	4
2	Magnetic properties of TbMn _{0.98} Fe _{0.02} O ₃ single crystal. Journal of Magnetism and Magnetic Materials, 2022, 549, 168986.	1.0	3
3	Electrical properties of melt-mixed polypropylene and as-grown carbon nanofiber composites: Analysis of their interphase <i>via</i> the AC conductivity modeling. Journal of Composite Materials, 2022, 56, 1879-1889.	1.2	4
4	The magnetic structure of DyFeO ₃ revisited: Fe spin reorientation and Dy incommensurate magnetic order. Journal of Physics Condensed Matter, 2022, 34, 265801.	0.7	7
5	Induced internal stresses and their relation to FLASH sintering of KNN ceramics. Journal of Materials Chemistry C, 2022, 10, 10916-10925.	2.7	4
6	Magnetostructural coupling in RFeO ₃ (R = Nd, Tb, Eu and Gd). Scientific Reports, 2022, 12, .	1.6	9
7	Novel Approach to Freshwater Diatom Profiling and Identification Using Raman Spectroscopy and Chemometric Analysis. Water (Switzerland), 2022, 14, 2116.	1.2	2
8	Revisiting the phase sequence and properties of K _{0.5} Na _{0.5} NbO ₃ ceramics sintered by different processes. Ceramics International, 2021, 47, 8308-8314.	2.3	7
9	Strain relaxation dynamics of multiferroic orthorhombic manganites. Journal of Physics Condensed Matter, 2021, 33, 125402.	0.7	5
10	Hydrothermal temperature dependence of CaWO ₄ nanoparticles: structural, optical, morphology and photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2021, 32, 9776-9794.	1.1	11
11	Fractal-Stereometric Correlation of Nanoscale Spatial Patterns of GdMnO ₃ Thin Films Deposited by Spin Coating. Applied Sciences (Switzerland), 2021, 11, 3886.	1.3	13
12	Investigation of Stereometric and Fractal Patterns of Spin-Coated LuMnO ₃ Thin Films. Advances in Materials Science and Engineering, 2021, 2021, 1-11.	1.0	6
13	Dielectric spectroscopy of melt-extruded polypropylene and as-grown carbon nanofiber composites. European Physical Journal E, 2021, 44, 73.	0.7	4
14	Raman spectroscopy applied to diatoms (microalgae, Bacillariophyta): Prospective use in the environmental diagnosis of freshwater ecosystems. Water Research, 2021, 198, 117102.	5.3	10
15	Touch sensor and photovoltaic characteristics of CuSbS ₂ thin films. Ceramics International, 2021, 47, 22594-22603.	2.3	6
16	Corrigendum to "Investigation of Stereometric and Fractal Patterns of Spin-Coated LuMnO ₃ Thin Films" Advances in Materials Science and Engineering, 2021, 2021, 1-1.	1.0	0
17	Thermal stability and decomposition kinetics of NdNiO ₃ at 1 Åbar of O ₂ . Materials Today Communications, 2021, 28, 102663.	0.9	1
18	Electrochemical preparation of Ni(OH) ₂ /CoOOH bilayer films for application in energy storage devices. Journal of Alloys and Compounds, 2021, 874, 159858.	2.8	15

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19	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	1.4	7
20	Disentangling the phase sequence and correlated critical properties in $\text{Bi}_{1-x}\text{La}_x\text{Fe}_1-y\text{Mn}_y\text{O}_3$ perovskites by structural studies. Physical Review B, 2021, 104, .	1.1	27
21	Structural distortions of orthorhombic RFeO_3 and RMnO_3 . , 2021, 5, .		0
22	Electrochemical synthesis of Fe^{3+} - CoOOH films from Fe^{2+} - $\text{Co}(\text{OH})_2$ with a high electrochemical performance for energy storage device applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 3084-3091.	1.1	27
23	Nanoscale stereometric evaluation of $\text{BiZn}_0.5\text{Ti}_0.5\text{O}_3$ thin films grown by RF magnetron sputtering. Materials Letters, 2020, 279, 128477.	1.3	20
24	$\text{HfO}_2/\text{Al}_2\text{O}_3$ Dielectric Layer for a Performing Metal-Ferroelectric-Insulator-Semiconductor Structure with a Ferroelectric $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ Thin Film. ACS Applied Electronic Materials, 2020, 2, 2780-2787.	2.0	5
25	Discrimination of Benign and Malignant Lesions in Canine Mammary Tissue Samples Using Raman Spectroscopy: A Pilot Study. Animals, 2020, 10, 1652.	1.0	4
26	Enhancement of resistivity and magnetization of $\text{Bi}_{1-x}\text{La}_x\text{Fe}_1-y\text{Mn}_y\text{O}_3$ ceramics by composition optimization. Journal of Alloys and Compounds, 2020, 835, 155404.	2.8	4
27	Study of the ionic conductivity of $\text{Li}_{0.5}\text{La}_{0.5}\text{TiO}_3$ laser-sintered ceramics. Journal of the European Ceramic Society, 2020, 40, 5619-5625.	2.8	11
28	Electrical response of $\text{La}_{2/3-x}\text{Li}_x\text{TiO}_3$ ceramics obtained by spark plasma sintering. EPJ Web of Conferences, 2020, 233, 04003.	0.1	0
29	Investigating the anisotropic compression and high-pressure phase symmetry of orthorhombic RFeO_3 vs RMnO_3 . EPJ Web of Conferences, 2020, 233, 04002.	0.1	0
30	Orthorhombic GdMnO_3 Epitaxial Thin Film Grown onto SrTiO_3 (110). EPJ Web of Conferences, 2020, 233, 05005.	0.1	0
31	Narrow optical gap ferroelectric $\text{Bi}_2\text{ZnTiO}_6$ thin films deposited by RF sputtering. Journal of Materials Chemistry A, 2019, 7, 10696-10701.	5.2	8
32	Crossover in the pressure evolution of elementary distortions in RFeO_3 perovskites and its impact on their phase transition. Physical Review B, 2019, 99, .	1.1	21
33	Strain-Engineered Tetragonal Phase and Ferroelectricity in GdMnO_3 Thin Films Grown on SrTiO_3 (001). Scientific Reports, 2019, 9, 18755.	1.6	2
34	Composition-dependent $x\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-(1-x)(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ bulk ceramics for high energy storage applications. Ceramics International, 2019, 45, 5808-5818.	2.3	61
35	$\text{La}_{0.59}\text{Li}_{0.24}\text{TiO}_3$ ceramics obtained by spark plasma sintering: electric behavior analysis. Materials Research Express, 2019, 6, 015504.	0.8	7
36	Annealing induced effect on the physical properties of ion-beam sputtered $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-\text{A}0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ferroelectric thin films. Applied Surface Science, 2018, 443, 354-360.	3.1	5

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37	Excitation of the cooperative Jahn-Teller distortion and its effect on the Raman octahedra-rotation modes of $TbMnO_3$. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1111-1120.	1.1	0
38	Ferroelectric photovoltaic characteristics of pulsed laser deposited $0.5Ba(Zr_{0.2}Ti_{0.8})O_3-0.5(Ba_{0.7}Ca_{0.3})TiO_3/ZnO$ heterostructures. <i>Solar Energy</i> , 2018, 167, 18-23.	2.9	13
39	Hysteretic Characteristics of Pulsed Laser Deposited $0.5Ba(Zr_{0.2}Ti_{0.8})O_3-0.5(Ba_{0.7}Ca_{0.3})TiO_3/ZnO$ Bilayers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15240-15249.	4.3	17
40	Poly(vinylidene fluoride) composites with carbon nanotubes decorated with metal nanoparticles. <i>Composites Part B: Engineering</i> , 2018, 142, 1-8.	5.9	27
41	Biocompatible reinforcement of poly(Lactic acid) with graphene nanoplatelets. <i>Polymer Composites</i> , 2018, 39, E308.	2.3	35
42	Substrate Temperature Effect on Microstructure, Optical, and Glucose Sensing Characteristics of Pulsed Laser Deposited Silver Nanoparticles. <i>Plasmonics</i> , 2018, 13, 1235-1241.	1.8	13
43	Piezoresistive polymer blends for electromechanical sensor applications. <i>Composites Science and Technology</i> , 2018, 168, 353-362.	3.8	43
44	Handling magnetic and structural properties of $EuMnO_3$ thin films by the combined effect of Lu doping and substrate strain. <i>Journal of Alloys and Compounds</i> , 2018, 762, 319-325.	2.8	3
45	A simple in situ synthesis of magnetic $M@CNTs$ by thermolysis of the hybrid perovskite $[TPrA][M(dca)_3]$. <i>New Journal of Chemistry</i> , 2017, 41, 3124-3133.	1.4	10
46	On the ferroelectric and magnetoelectric mechanisms in low Fe^{3+} doped $TbMnO_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 167-172.	1.0	11
47	Enhanced resistive switching characteristics in $Pt/BaTiO_3/ITO$ structures through insertion of $HfO_2:Al_2O_3$ (HAO) dielectric thin layer. <i>Scientific Reports</i> , 2017, 7, 46350.	1.6	30
48	Dielectric relaxation of near-percolated carbon nanofiber polypropylene composites. <i>Physica B: Condensed Matter</i> , 2017, 516, 41-47.	1.3	7
49	Deposition parameters and annealing key role in setting structural and polar properties of $Bi_{0.9}La_{0.1}Fe_{0.9}Mn_{0.1}O_3$ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12690-12697.	1.1	0
50	Novel multiferroic state and ME enhancement by breaking the AFM frustration in $LuMn_{1-x}O_3$. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1335-1341.	1.3	10
51	Magnetic phase diagram of the $TbMnO_3$. <i>Physica B: Condensed Matter</i> , 2017, 506, 168-167.	1.3	10
52	Unraveling the resistive switching effect in $ZnO/0.5Ba(Zr_{0.2}Ti_{0.8})O_3-0.5(Ba_{0.7}Ca_{0.3})TiO_3$ heterostructures. <i>Applied Surface Science</i> , 2017, 400, 453-460.	3.1	19
53	Resistive switching in $MoSe_2/BaTiO_3$ hybrid structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10353-10359.	2.7	22
54	Thickness dependence of microstructure in thin $La_{0.7}Sr_{0.3}MnO_3$ films grown on $(1\%O)$ $SrTiO_3$ substrate. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 395301.	1.3	5

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55	High-performance graphene-based carbon nanofiller/polymer composites for piezoresistive sensor applications. <i>Composites Science and Technology</i> , 2017, 153, 241-252.	3.8	86
56	Monitoring of oxidation phases of copper thin films using long period fiber gratings. <i>Sensors and Actuators A: Physical</i> , 2017, 253, 69-74.	2.0	6
57	Light controlled resistive switching and photovoltaic effects in ferroelectric 0.5Ba(Zr 0.2 Ti 0.8)O 3 -0.5(Ba 0.7 Ca 0.3)TiO 3 thin films. <i>Journal of the European Ceramic Society</i> , 2017, 37, 583-591.	2.8	9
58	Light-controlled resistive switching in laser-assisted annealed Ba_{0.8} Sr_{0.2} TiO₃ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1082-1087.	0.8	10
59	Raman spectroscopy of rare-earth orthoferrites $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{FeO} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \text{R} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \rangle$ Tj ETQq1 1 0.784314 rgBT /Ov		
60	Breaking the geometric magnetic frustration in controlled off-stoichiometric LuMn_{1+z}O₃ compounds. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13519-13523.	1.3	4
61	Influence of substrate temperature on the properties of pulsed laser deposited silver nanoparticle thin films and their application in SERS detection of bovine serum albumin. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	13
62	Polymer surface adsorption as a strategy to improve the biocompatibility of graphene nanoplatelets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 818-824.	2.5	39
63	Resistive switching in ferroelectric lead-free 0.5Ba (Zr_{0.2}Ti_{0.8})O₃â€“0.5(Ba_{0.7}Ca_{0.3})TiO₃ thin films. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 335301.		18
64	Persistence of the orthorhombic phase in YMnO₃ hexagonal thin films. <i>Ferroelectrics</i> , 2016, 498, 80-84.	0.3	2
65	Ferroelectric polarization and resistive switching characteristics of ion beam assisted sputter deposited BaTiO 3 thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 92, 7-10.	1.9	15
66	Magnetoelectric effect probe through ppm Fe doping in BaTiO 3. <i>Journal of Alloys and Compounds</i> , 2016, 661, 495-500.	2.8	6
67	Tuning the Stoichiometry of Ag₂S Thin Films for Resistive Switching Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2608-2612.	0.9	3
68	Smaller particle size and higher oxidation improves biocompatibility of graphene-based materials. <i>Carbon</i> , 2016, 99, 318-329.	5.4	62
69	Heat capacity, magnetic and lattice dynamic properties of TbMn_{1-x}Fe_xO₃. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012119.	0.3	5
70	Ferroelectric phase transitions studies in 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 ceramics. <i>Journal of Electroceramics</i> , 2015, 35, 135-140.	0.8	31
71	Structural, optical and magnetic properties of pulsed laser deposited Co-doped ZnO films. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 395, 28-33.	1.0	13
72	Scaling spinâ€“phonon and spinâ€“spin interactions in magnetoelectric Gd1â€“Y MnO3. <i>Journal of Solid State Chemistry</i> , 2015, 228, 76-81.	1.4	17

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73	Dzyaloshinskiiâ€“Moriya nature of ferroelectric ordering in magnetoelectric Gd _{1-x} Y _x MnO ₃ system. Solid State Communications, 2015, 208, 34-40.	0.9	15
74	Effect of preparation method on the solid state properties and the deN ₂ O performance of CuOâ€“CeO ₂ oxides. Catalysis Science and Technology, 2015, 5, 3714-3727.	2.1	88
75	Surface Plasmon Resonance-Coupled Photoluminescence and Resistive Switching Behavior of Pulsed Laser-Deposited Ag:SiC Nanocermet Thin Films. Plasmonics, 2015, 10, 1211-1217.	1.8	9
76	Effect of bi-layer ratio in ZnO/Al ₂ O ₃ multilayers on microstructure and functional properties of ZnO nanocrystals embedded in Al ₂ O ₃ matrix. Applied Physics A: Materials Science and Processing, 2014, 115, 283-289.	1.1	9
77	Tackling Polar Response in Oxygen Deficient KTaO ₃ Thin Films. Ferroelectrics, 2014, 465, 44-53.	0.3	1
78	Structural, electrical and magnetic properties of magnetoelectric GdMnO ₃ thin films prepared by a solâ€“gel method. Thin Solid Films, 2014, 564, 419-425.	0.8	26
79	Dynamic and structural properties of orthorhombic rare-earth manganites under high pressure. Physical Review B, 2014, 90, .	1.1	26
80	Unravelling the effect of SrTiO ₃ antiferrodistortive phase transition on the magnetic properties of La _{0.7} Sr _{0.3} MnO ₃ thin films. Journal Physics D: Applied Physics, 2014, 47, 435002.	1.3	4
81	Ba _{0.8} Sr _{0.2} TiO ₃ films crystallized on glass and platinized substrates by laser-assisted annealing at room temperature. Applied Physics A: Materials Science and Processing, 2014, 116, 1271-1280.	1.1	3
82	Tuning the surface plasmon resonance and surface-enhanced Raman scattering of pulsed laser deposited silver nanoparticle films by ambience and deposition temperature. Journal of Optics (United) Tj ETQq0 0 0ogBT /Overlock 10 T		
83	Two Experimental Approaches of Looking at Buoyancy. Physics Teacher, 2013, 51, 96-97.	0.2	6
84	Dispersion of graphene nanoplatelets in poly(vinyl acetate) latex and effect on adhesive bond strength. Polymer International, 2013, 62, 928-935.	1.6	23
85	Effects of oxygen partial pressure on the ferroelectric properties of pulsed laser deposited Ba _{0.8} Sr _{0.2} TiO ₃ thin films. Applied Physics A: Materials Science and Processing, 2013, 113, 817-824.	1.1	9
86	Room temperature structure and multiferroic properties in Bi _{0.7} La _{0.3} FeO ₃ ceramics. Journal of Alloys and Compounds, 2013, 554, 97-103.	2.8	32
87	Influence of laser repetition rate on ferroelectric properties of pulsed laser deposited BaTiO ₃ films on platinized silicon substrate. Applied Physics A: Materials Science and Processing, 2013, 113, 379-384.	1.1	12
88	Influence of Diffusion Parameters on the Spectral Characteristics of Raman Modes of Titanium-Diffused Lithium Niobate Planar Waveguides. Spectroscopy Letters, 2013, 46, 453-458.	0.5	4
89	The role of sucrose in amino polymers synthesized by the strongly acid process. Journal of Adhesion Science and Technology, 2013, 27, 763-774.	1.4	13
90	Competing exchanges and spinâ€“phonon coupling in Eu _{1-x} R _x MnO ₃ (R=Y, Lu). Journal of Physics Condensed Matter, 2013, 25, 235602.	0.7	11

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91	Induced polarized state in intentionally grown oxygen deficient KTaO ₃ thin films. Journal of Applied Physics, 2013, 114, 034101.	1.1	4
92	Polar behaviour induced by lithium in potassium tantalate ceramics. Journal of Physics Condensed Matter, 2012, 24, 045906.	0.7	4
93	Structural and insulator-to-metal phase transition at 50 GPa in GdMnO ₃ . Physical Review B, 2012, 85, .	1.1	29
94	Low-temperature dielectric response of NaTaO ₃ ceramics and films. Applied Physics Letters, 2012, 100, .	1.5	25
95	Temperature dependence of the electrical conductivity of vapor grown carbon nanofiber/epoxy composites with different filler dispersion levels. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3290-3294.	0.9	7
96	Magnetically-induced lattice distortions and ferroelectricity in magnetoelectric GdMnO ₃ . Journal of Physics Condensed Matter, 2012, 24, 436002.	0.7	10
97	Effect of Pt bottom electrode texture selection on the tetragonality and physical properties of Ba _{0.8} Sr _{0.2} TiO ₃ thin films produced by pulsed laser deposition. Journal of Applied Physics, 2012, 112, .	1.1	23
98	Oxygen partial pressure effect on structural and electrical behavior of pulsed laser deposited Zn _{0.98} Co _{0.02} O thin films. Materials Chemistry and Physics, 2012, 135, 174-180.	2.0	7
99	Dimensional effects on the structure and magnetic properties of GdMnO ₃ thin films. Materials Letters, 2012, 70, 167-170.	1.3	24
100	Structural and electrical properties of LuMnO ₃ thin film prepared by chemical solution method. Thin Solid Films, 2012, 520, 1734-1739.	0.8	4
101	Phase diagram of the orthorhombic, lightly lutetium doped EuMnO ₃ magnetoelectric system. Physical Review B, 2011, 84, .	1.1	19
102	Local distortions in multiferroic AgCrO ₂ triangular spin lattice. Physical Review B, 2011, 84, .	1.1	27
103	Detection of colon cancer by terahertz techniques. , 2011, , .		13
104	Detection of colon cancer by terahertz techniques. Journal of Molecular Structure, 2011, 1006, 77-82.	1.8	163
105	Role of trivalent Sr substituents and Sr vacancies in tetragonal and polar states of SrTiO ₃ . Acta Materialia, 2011, 59, 5388-5397.	3.8	40
106	Synthesis of orthorhombic rare-earth manganite thin films by a novel chemical solution route. Journal of Electroceramics, 2011, 26, 44-55.	0.8	18
107	Ferroelectricity in antiferromagnetic phases of Eu _{1-x} Y _x MnO ₃ . Solid State Communications, 2011, 151, 368-371.	0.9	14
108	Enhancement of tetragonality and role of strontium vacancies in heterovalent doped SrTiO ₃ . Applied Physics Letters, 2011, 98, .	1.5	27

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109	Discriminating adenocarcinoma from normal colonic mucosa through deconvolution of Raman spectra. Journal of Biomedical Optics, 2011, 16, 127001.	1.4	17
110	Lithium-induced dielectric relaxations in potassium tantalate ceramics. Journal Physics D: Applied Physics, 2011, 44, 315406.	1.3	9
111	Synthesis and characterization of HAp nanorods from a cationic surfactant template method. Journal of Materials Science: Materials in Medicine, 2010, 21, 2543-2549.	1.7	46
112	Magnetic hyperfine field at Cr site in AgCrO ₂ given by Perturbed angular correlations. Hyperfine Interactions, 2010, 197, 123-128.	0.2	4
113	Structure and physical properties of Eu _{0.8} Y _{0.2} MnO ₃ ceramics. Journal of Electroceramics, 2010, 25, 203-211.	0.8	15
114	Coupling between phonons and magnetic excitations in orthorhombic EuMnO_3 . Physical Review B, 2010, 81, .	1.1	36
115	Effect of the external fields on the polar and dielectric properties of Eu _{0.8} Y _{0.2} MnO ₃ . Journal of Applied Physics, 2010, 107, 024108.	1.1	6
116	Polar properties and phase sequence in Eu _{0.8} Y _{0.2} MnO ₃ . Journal of Physics Condensed Matter, 2010, 22, 125901.	0.7	7
117	THz and infrared studies of multiferroic hexagonal $\text{Y}_{1-x}\text{Eu}_x\text{MnO}_3$ ($0 \leq x \leq 0.2$) ceramics. Phase Transitions, 2010, 83, 931-941.		14
118	Growth of Incipient Ferroelectric KTaO ₃ Single Crystals by a Modified Self-Flux Solution Method. Crystal Growth and Design, 2010, 10, 3397-3404.	1.4	17
119	Strong magnetoelastic coupling in orthorhombic EuMnO_3 . Physical Review B, 2010, 82, .	1.1	18
120	Polar properties of Eu _{0.6} Y _{0.4} MnO ₃ ceramics and their magnetic field dependence. Journal of Physics Condensed Matter, 2009, 21, 446002.	0.7	7
121	Spin-phonon coupling and magnetolectric properties of EuMnO_3 . Physical Review B, 2009, 79, .	1.1	112
122	Dielectric and Magnetic Properties of ReMnO ₃ (Re = Eu, Gd) Ceramics. Ferroelectrics, 2008, 368, 107-113.	0.3	6
123	Raman spectroscopic study of the phase transitions and pseudospin phonon coupling in sodium ammonium sulphate dihydrate. Physical Review B, 2007, 76, .	1.1	21
124	Infrared reflectivity study of the phase transitions in sodium ammonium sulfate dihydrate. Journal of Physics Condensed Matter, 2006, 18, 7761-7778.	0.7	4
125	Ferroelectric Phase in Glycinium Phosphite Studied by Raman Scattering. Ferroelectrics, 2005, 320, 83-89.	0.3	3
126	Coupling between proton pseudo-spins and normal modes in ferroelectric glycinium phosphite. Physical Review B, 2005, 72, .	1.1	5

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127	Dielectric Properties and Lattice Dynamics in Betaine Calcium Perchlorate Monohydrate. <i>Ferroelectrics</i> , 2005, 314, 223-232.	0.3	0
128	Bottom electrode crystallization of Pb(Zr,Ti)O ₃ thin films made by RF magnetron sputtering. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7263-7273.	0.7	1
129	Crystal structure of aqua-bis(N,N,N-trimethylammonioacetato)sodium bromide, [Na(H ₂ O){(CH ₃) ₃ NCH ₂ COO} ₂] ₂ Br. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2005, 220, 383-384.	0.1	1
130	Phase Transition in Betaine Cadmium Chloride Monohydrate. <i>Ferroelectrics</i> , 2004, 302, 127-131.	0.3	0
131	Ferroelectric Phase in Betaine Phosphite Studied by Raman Scattering. <i>Ferroelectrics</i> , 2004, 302, 133-136.	0.3	0
132	Crystal structure of catena-aqua-trisbetaine-perchlorato-sesquicalcium diperchlorate, [Ca _{1.5} (H ₂ O)(C ₅ H ₁₁ NO ₂) ₃ (ClO ₄)](ClO ₄) ₂ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2004, 219, 480-482.	0.1	0
133	Crystal structure of diglycine hydroxylammonium chloride, (C ₂ H ₅ NO ₂) ₂ [NH ₃ (OH)]Cl. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2002, 217, 433-434.	0.1	0
134	Crystal structure of calcium doped strontium betaine chloride tetrahydrate, 217, 79-80.	0.1	0
135	Lattice Dynamics and Phase Transitions in Strongly Deuterated Betaine Arsenate. <i>Ferroelectrics</i> , 2002, 272, 45-50.	0.3	0
136	Crystal structure of trimethylglycine 2-hydroxy-1,2,3-propanetricarboxylic acid (1:1) adduct, C ₆ O ₇ H ₈ · C ₅ NO ₂ H ₁₁ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2002, 217, 77-78.	0.1	2
137	Crystal structure of diammonium hydrogen-2-hydroxy-1,2,3-propanetricarboxylate, (NH ₄) ₂ (C ₆ H ₆ O ₇). <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2002, 217, 537-538.	0.1	0
138	X-Ray Study of Betaine Arsenate and Deuterated Betaine Arsenate. <i>Physica Status Solidi A</i> , 2000, 178, 633-643.	1.7	6
139	Dielectric relaxation and pyroelectric behaviour of betaine potassium iodide dihydrate. <i>Ferroelectrics</i> , 2000, 241, 263-270.	0.3	2
140	Lattice dynamics and phase transitions in betaine arsenate. <i>Ferroelectrics</i> , 2000, 239, 93-100.	0.3	4
141	Raman spectra and phase transition in betaine potassium iodide dihydrate. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 1497-1506.	0.7	4
142	Order-disorder behavior in betaine arsenate studied by Raman scattering. <i>Physical Review B</i> , 2000, 61, 15035-15041.	1.1	7
143	Crystal structure of betaine potassium iodide dihydrate, (C ₅ H ₁₁ NO ₂) ₂ KI · 2H ₂ O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 1999, 214, 83-84.	0.1	2
144	Crystal structure of glycinium arsenate, C ₂ NH ₈ O ₂ +AsO ₄ ⁻ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 1999, 214, 535-536.	0.1	1

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145	X-Ray Study of Mixed Compounds of Betaine Arsenate and Deuterated Betaine Arsenate. <i>Physica Status Solidi A</i> , 1999, 171, 417-423.	1.7	1
146	Dielectric relaxation behaviour of protonated and deuterated betaine arsenate. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3035-3044.	0.7	7
147	Betaine potassium iodide dihydrate: a new compound of betaine. <i>Journal of Physics Condensed Matter</i> , 1998, 10, L773-L777.	0.7	5
148	Raman scattering study of the phase transition sequence in the system. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 6825-6844.	0.7	7
149	Lattice dynamics, phase transitions and hydrogen effective charges of betaine phosphite: a comparison with betaine phosphate and their deuterated analogues. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 6147-6169.	0.7	3
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