Manuel Almeida Valente

List of Publications by Year
in descending order

249	5,027	87888	168389
papers	citations	38 h-index	53 g-index

251	251	251	4902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of temperature and frequency dependence of the dielectric properties of multiferroic (La_{0.8}Ca_{0.2})_{0.4}Bi_{0.6}FeO₃nanoparticles for energy storage application. RSC Advances, 2022, 12, 6907-6917.	3.6	11
2	Electrical and Magnetic Studies of Maghemite (Î³-Fe2O3) Prepared by the Solâ€“Gel Route. Journal of Electronic Materials, 2022, 51, 2698-2707.	2.2	12
3	Synthesis and physico-chemical characterization of Bi-doped Cobalt ferrite nanoparticles: cytotoxic effects against breast and prostate cancer cell lines. European Physical Journal Plus, 2022, 137, .	2.6	4
4	Investigation of the structural, electrical, and dielectric properties of La_{0.5}Sm_{0.2}Sr_{0.3}Mn_{1â^'x}Cr_xO₃ for electrical application. RSC Advances, 2022, 12, 16805-16822.	3.6	7
5	Colossal dielectric constant with enhanced magnetization in the La3+ and Ca2+ co-doped BiFeO3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2022, 33, 16236-16250.	2.2	1
6	Electrical transport of Mg-doped maghemite (Î³-Fe2O3) nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	6
7	Photosensitive activity of fabricated core-shell composite nanostructured p-CuO@CuS/n-Si diode for photodetection applications. Sensors and Actuators A: Physical, 2021, 317, 112373.	4.1	31
8	Nanostructured LiFe5O8 by a Biogenic Method for Applications from Electronics to Medicine. Nanomaterials, 2021, 11, 193.	4.1	15
9	Electrical conductivity and dielectric properties of Sr doped M-type barium hexaferrite BaFe₁₂O₁₉. RSC Advances, 2021, 11, 1531-1542.	3.6	37
10	Synthesis and study of the structural and dielectric properties of La0.67Ca0.2Ba0.13Fe1â^'xMnxO3 ferrites (xâ€‰=â€‰0, 0.03 and 0.06). Journal of Materials Science: Materials in Electronics, 2021, 32, 7926-7942.	2.2	6
11	Study of structural, morphological, MÃ¶ssbauer and dielectric properties of NiFeCoO4 prepared by a sol gel method. Journal of Sol-Gel Science and Technology, 2021, 98, 364-375.	2.4	8
12	Effect of Sr-substitution on structure, dielectric relaxation and conduction phenomenon of BaTiO3 perovskite material. Journal of Materials Science: Materials in Electronics, 2021, 32, 11453-11466.	2.2	11
13	Study of ZnO room temperature NO2 sensor under illumination prepared by auto-combustion. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	12
14	Investigation of Cr substitution effect on the evolution of La0.67Ca0.2Ba0.13Fe1â^'xCrxO3 (xâ€‰=â€‰0 and 0.03) electrical properties under frequency and temperature variation. European Physical Journal Plus, 2021, 136, 1.	2.6	6
15	Processing mediated enhancement of ferroelectric and electrocaloric properties in Ba(Ti0.8Zr0.2)O3â€“(Ba0.7Ca0.3)TiO3 lead-free piezoelectrics. Journal of the European Ceramic Society, 2021, 41, 6424-6440.	5.7	9
16	Development of n-MoO3@MoS2/p-Si heterostructure diode using pre-synthesized core@shell nanocomposite for efficient light harvesting detector application. Materials Science in Semiconductor Processing, 2021, 135, 106097.	4.0	6
17	Study of the influence of 2.5% Mg2+ insertion in the B-site of La0.8Ca0.1Pb0.1FeO3 on its structural, electrical and dielectric properties. RSC Advances, 2021, 11, 33070-33080.	3.6	0
18	Structural, morphological, Raman, dielectric and electrical properties of La_{1â^'2x}Ba_xBi_xFeO₃ (0.00 â‰¤ x)	3.6	3

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19	Effect of controlled crystallization on polaronic transport in phosphateâ€based glassâ€ceramics. International Journal of Applied Glass Science, 2020, 11, 97-111.	2.0	12
20	Modeling the Magnetocaloric Effect of La0.8MnO3 by the Mean-Field Theory. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1143-1149.	1.8	2
21	Magnetization and room temperature MÃ¶ssabuer studies of 50Fe2O3-50SiO2 and 90Fe2O3-10SiO2 ceramic fibers processed by laser floating zone method. Hyperfine Interactions, 2020, 241, 1.	0.5	1
22	Solvent influenced synthesis of single-phase SnS₂ nanosheets for solution-processed photodiode fabrication. CrystEngComm, 2020, 22, 525-533.	2.6	40
23	Structural, electric and dielectric properties of Ni0.5Zn0.5FeCoO4 ferrite prepared by sol-gel. Journal of Magnetism and Magnetic Materials, 2020, 499, 166243.	2.3	21
24	Oxygen deficiency effect on the magnetocaloric and critical phenomena for La0.8â–¡0.2MnO3-Î” (Î”â€‰=â€‰0, 0.1 and) Tj ETQq0 0 0 Materials in Electronics, 2020, 31, 22749-22767.	2.2	4
25	Effect of annealing temperature on structural, morphological and dielectric properties of La0.8Ba0.1Ce0.1FeO3 perovskite. Journal of Materials Science: Materials in Electronics, 2020, 31, 16220-16234.	2.2	16
26	To study the effect of low temperature crystal growth on the structural and ferroelectric properties of lead-free BCT-BZT ceramic. Ferroelectrics, Letters Section, 2020, 47, 76-89.	1.0	7
27	Laser-Induced Hematite/Magnetite Phase Transformation. Journal of Electronic Materials, 2020, 49, 7187-7193.	2.2	8
28	Magneto-Transport Properties of the Ag Doping Sr Site in La0.57Nd0.1Sr0.33â^'xAgxMnO3 (0.00 and 0.15) Manganites. Journal of Low Temperature Physics, 2020, 200, 131-141.	1.4	10
29	Structural study and large magnetocaloric entropy change at room temperature of La_{1â^'x}â–¡_xMnO₃ compounds. RSC Advances, 2020, 10, 8352-8363.	3.6	14
30	Structural, magnetic and magnetocaloric study of Ni0.5Zn0.5Fe2O4 spinel. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	21
31	Effect of synthesis route on structural, morphological, Raman, dielectric, and electric properties of La0.8Ba0.1Bi0.1FeO3. Journal of Materials Science: Materials in Electronics, 2020, 31, 3197-3214.	2.2	11
32	Effect of Bi-substitution into the A-site of multiferroic La_{0.8}Ca_{0.2}FeO₃ on structural, electrical and dielectric properties. RSC Advances, 2020, 10, 16132-16146.	3.6	16
33	Investigating the structural, morphological, dielectric and electric properties of the multiferroic (La0.8Ca0.2)0.9Bi0.1FeO3 material. Chemical Physics Letters, 2019, 731, 136588.	2.6	11
34	The growth and improved magnetoelectric response of strain-modified Aurivillius SrBi_{4.25}La_{0.75}Ti₄FeO₁₈ thin films. Dalton Transactions, 2019, 48, 13224-13241.	3.3	12
35	Structural and magnetic properties of La1-xâŽ•xMnO3 (xâ€‰=â€‰0.1; 0.2 and 0.3) manganites. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	15
36	Evaluation of the relationship between the magnetism and the optical properties in SrTiO3-Î´ defective systems: Experimental and theoretical studies. Journal of Magnetism and Magnetic Materials, 2019, 478, 175-186.	2.3	20

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37	Niobium oxide prepared by solâ€“gel using powder coconut water. Journal of Materials Science: Materials in Electronics, 2019, 30, 11346-11353.	2.2	6
38	Synthesis, structure and magnetic properties of multipod-shaped cobalt ferrite nanocrystals. New Journal of Chemistry, 2019, 43, 10259-10269.	2.8	9
39	High ethanol gas sensing property and modulation of magnetic and AC-conduction mechanism in 5% Mg-doped La0.8Ca0.1Pb0.1FeO3 compound. Journal of Materials Science: Materials in Electronics, 2019, 30, 12389-12398.	2.2	9
40	Magnetic Properties of Disordered Li2Co2Ââ€“ÂxNix(MoO4)3 (0â€‰â‰¤â€‰xâ€‰â‰¤â€‰2) System with a Lyonsite Structure. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3549-3555.	1.8	2
41	Application of Hyperthermia for Cancer Treatment: Synthesis and Characterization of Magnetic Nanoparticles and their internalization on Tumor Cell Lines*. , 2019, , .		4
42	Strontium-substituted La0.75Ba0.25â^'xSrxFeO3 (xâ€‰=â€‰0.05, 0.10 and 0.15) perovskite: dielectric and electrical studies. Journal of Materials Science: Materials in Electronics, 2019, 30, 8457-8470.	2.2	21
43	Modulation of magnetism and study of impedance and alternating current conductivity of Zn0.4Ni0.6Fe2O4 spinel ferrite. Journal of Molecular Structure, 2019, 1184, 298-304.	3.6	22
44	Multicaloric effect in a multiferroic composite of Gd5(Si,Ge)4 microparticles embedded into a ferroelectric PVDF matrix. Scientific Reports, 2019, 9, 18308.	3.3	20
45	Broadband ferromagnetic resonance in Mn-doped Li ferrite nanoparticles. Materials Research Bulletin, 2019, 112, 432-437.	5.2	9
46	Oxygen-vacancy-related giant permittivity and ethanol sensing response in SrTiO3- ceramics. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 108, 317-325.	2.7	23
47	Structural, morphological, Raman and ac electrical properties of the multiferroic sol-gel made Bi0.8Er0.1Ba0.1Fe0.96Cr0.02Co0.02O3 material. Journal of Alloys and Compounds, 2019, 775, 304-315.	5.5	23
48	Structure, atomic Hirshfeld surface, spectroscopic studies and magnetic and dielectric properties of new mixed solid solution (NH4)2 Mn0.17 Cu0.83 Cl4 â‹…2H2 O. Applied Organometallic Chemistry, 2019, 33, e4684.	3.5	0
49	Structure, Raman, dielectric behavior and electrical conduction mechanism of strontium titanate. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 99, 75-81.	2.7	21
50	Unusual redox behaviour of the magnetite/hematite coreâ€“shell structures processed by the laser floating zone method. Dalton Transactions, 2018, 47, 5646-5651.	3.3	10
51	Magnetic after-effects in Ni ferrite nanoparticles. Materials Letters, 2018, 225, 62-64.	2.6	3
52	Effect of annealing temperature on structural, morphology and dielectric properties of La0.75Ba0.25FeO3 perovskite. Superlattices and Microstructures, 2018, 117, 260-270.	3.1	48
53	Effect of laser processing on physical properties of (Ba0.85Ca0.15Ti0.9Zr0.1O3) lead-free thick films fabricated by the electrophoretic deposition. Journal of Physics and Chemistry of Solids, 2018, 113, 94-101.	4.0	4
54	The effect of bismuth on the structure, magnetic and electric properties of Co2MnO4 spinel multiferroic. Journal of Magnetism and Magnetic Materials, 2018, 451, 344-350.	2.3	24

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55	Electrical and dielectric analysis of lithium chloride mixed sodium and lithium phosphate glasses. International Journal of Applied Glass Science, 2018, 9, 333-343.	2.0	0
56	Electrical and Magnetic Properties of Yttrium Ferrites. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 165-174.	0.3	0
57	Synthesis, structural characterization and broadband ferromagnetic resonance in Li ferrite nanoparticles. Journal of Alloys and Compounds, 2018, 765, 186-192.	5.5	13
58	Study of structural, electrical and magnetic properties of 1â^'x(Ba0.96Ca0.04TiO3)â^'x(BiFeO3) ceramics composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 13984-14002.	2.2	12
59	Electrospun composite cellulose acetate/iron oxide nanoparticles non-woven membranes for magnetic hyperthermia applications. Carbohydrate Polymers, 2018, 198, 9-16.	10.2	43
60	Dielectric Analysis of Phosphate-Borate Glass-Ceramics Doped with Alkali Oxides. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 153-163.	0.3	0
61	Magnetic and electric characterizations of solâ€“gel-derived NaFe(WO4)2 rods. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
62	Temperature dependent upconversion and spectroscopic properties of Nd3+ doped barium bismuth tellurite glasses. Journal of Non-Crystalline Solids, 2018, 498, 89-94.	3.1	15
63	Structural and redox effects in iron-doped magnesium aluminosilicates. Journal of Crystal Growth, 2017, 457, 19-23.	1.5	3
64	Dielectric and magnetic properties of a yttrium ferrite/calcium copper titanate composite. Spectroscopy Letters, 2017, 50, 206-213.	1.0	4
65	Optical and magnetic properties of ZnO/ZnFe 2 O 4 nanocomposite. Materials Chemistry and Physics, 2017, 192, 330-338.	4.0	34
66	TSDC and impedance spectroscopy measurements on hydroxyapatite, Î²-tricalcium phosphate and hydroxyapatite/Î²-tricalcium phosphate biphasic bioceramics. Applied Surface Science, 2017, 424, 28-38.	6.1	19
67	Effect of samarium and vanadium co-doping on structure, ferroelectric and photocatalytic properties of bismuth titanate. RSC Advances, 2017, 7, 9680-9692.	3.6	39
68	Ferroelectric glass-ceramics. MRS Bulletin, 2017, 42, 213-219.	3.5	18
69	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO 3-Î´ compounds. Applied Surface Science, 2017, 426, 386-390.	6.1	54
70	Dielectric, electrical conduction and magnetic properties of multiferroic Bi0.8Tb0.1Ba0.1Fe0.9Ti0.1O3 perovskite compound. Journal of Advanced Dielectrics, 2017, 07, 1750034.	2.4	12
71	Effect of oxygen vacancies on SrTiO electrical properties. Journal of Alloys and Compounds, 2017, 723, 894-903.	5.5	59
72	Superparamagnetic MnFe2O4 dispersed over graphitic carbon sand composite and bentonite as magnetically recoverable photocatalyst for antibiotic mineralization. Separation and Purification Technology, 2017, 172, 498-511.	7.9	100

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73	Impedance and Modulus Spectroscopy Characterization of Tb modified Bi0.8A0.1Pb0.1Fe0.9Ti0.1O3 Ceramics. Materials Research, 2016, 19, 1-8.	1.3	134
74	Synthesis and Magnetic Characterization of SolGelâ€Derived Submicrometer NaGd(<scp>WO</scp>₄)₂. International Journal of Applied Ceramic Technology, 2016, 13, 876-883.	2.1	1
75	Study of structural, electrical, and dielectric properties of phosphate-borate glasses and glass-ceramics. Journal of Applied Physics, 2016, 120, .	2.5	11
76	Magnetoelectric studies on CoFe2O4/0.5(BaTi0.8Zr0.2O3)-0.5(Ba0.7Ca0.3TiO3) lead-free bilayer thin films derived by the chemical solution deposition. Journal of Applied Physics, 2016, 120, .	2.5	26
77	Luminescence characterization of sol-gel derived Pr3+ doped NaGd(WO4)2 phosphors for solid state lighting applications. Materials Chemistry and Physics, 2016, 179, 295-303.	4.0	27
78	Structural and electrical properties of TeO2â€“V2O5â€“K2O glassy systems. Journal of Non-Crystalline Solids, 2016, 443, 65-74.	3.1	30
79	Effect of the oxygen deficiencies creation on the suppression of the diamagnetic behavior of SrTiO3 compound. Journal of Alloys and Compounds, 2016, 680, 560-564.	5.5	23
80	Top Seeded Solution Growth, Structural and Vibrational Analyses of K1â^'x Na x Gd(WO4)2 (0.0Ââ‰ÂxÂâ‰Â0.2) Single Crystals. Journal of Electronic Materials, 2016, 45, 4460-4467.	2.2	1
81	Structural, magnetic and MÃ¶ssbauer study of BaLa Fe12O19 nanohexaferrites synthesized via solâ€“gel auto-combustion technique. Ceramics International, 2016, 42, 5011-5017.	4.8	28
82	Photoluminescence properties of sub-micron NaGd 1â^'x Eu x (WO 4) 2 red phosphor for solid state lightings application: Derived by different synthesis routes. Superlattices and Microstructures, 2016, 93, 308-321.	3.1	23
83	Structural and thermal characterization of phosphate based glasses promising for hydrogen absorption. Journal of Non-Crystalline Solids, 2016, 434, 28-35.	3.1	10
84	Effect of Fe-doping on the structure and magnetoelectric properties of (Ba_{0.85}Ca_{0.15})(Ti_{0.9}Zr_{0.1})O₃ synthesized by a chemical route. Journal of Materials Chemistry C, 2016, 4, 1066-1079.	5.5	60
85	Iron incorporation into magnesium aluminosilicate glass network under fast laser floating zone processing. Ceramics International, 2016, 42, 2693-2698.	4.8	11
86	Multiferroic interfaces in bismuth ferrite composite fibers grown by laser floating zone technique. Materials and Design, 2016, 90, 829-833.	7.0	6
87	Solâ€“gel synthesis and photoluminescence analysis of Sm 3+ :NaGd(WO 4) 2 phosphors. Journal of Luminescence, 2016, 170, 743-748.	3.1	48
88	Electrical analysis of niobium oxide thin films. Thin Solid Films, 2015, 585, 95-99.	1.8	18
89	Crystal Structure and Magnetic Property Studies of a Novel Hybrid Compound (C6H16N2) CoCl4. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2621-2626.	1.8	9
90	Study the structural and magnetic properties of rare-earth ions (La and Gd) doped Ba_{0.9575}Ca_{0.0025}Ti_{0.80685}Mn_{0.002475}Nb_{0.002475}Zr<sub>0.178 (BCTMNZ) ceramics. Journal of Advanced Dielectrics, 2015, 05, 1520001.	2.4	5

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91	Dielectric properties and alternating current conductivity of solâ€“gel made La0.8Ca0.2FeO3 compound. Chemical Physics Letters, 2015, 637, 7-12.	2.6	38
92	Electrical and dielectric analysis of phosphate based glasses doped with alkali oxides. Materials and Design, 2015, 86, 427-435.	7.0	15
93	Shine red and yellow photoluminescence in GdAlO3â˜Î´ powders. Journal of Alloys and Compounds, 2015, 640, 501-503.	5.5	6
94	Structural characterization, magnetic, magnetocaloric properties and phenomenological model in manganite La0.75 Sr0.1Ca0.15 MnO3 compound. Journal of Alloys and Compounds, 2015, 638, 221-227.	5.5	82
95	Physical properties and ethanol sensing of perovskite La0.8Pb0.2Fe1â˜Mg O3 compounds. Journal of Alloys and Compounds, 2015, 644, 304-307.	5.5	8
96	Structural, Morphological, Vibrational, and Photoluminescence Study of Solâ€“Gel-Synthesized Tm3+:NaGd(WO4)2 Blue Phosphors. Journal of Electronic Materials, 2015, 44, 4199-4206.	2.2	7
97	Magnetic, Raman and MÃ¶ssbauer properties of double-doping LaFeO3 perovskite oxides. Materials Chemistry and Physics, 2015, 149-150, 467-472.	4.0	37
98	Solâ€“gel synthesis and photoluminescence studies on colour tuneable Dy3+/Tm3+ co-doped NaGd(WO4)2 phosphor for white light emission. Journal of Luminescence, 2015, 157, 357-364.	3.1	32
99	ELECTRICAL CONDUCTION AND DIELECTRIC PROPERTIES OF THE LACUNAR $Ca_{2}MnO_{4-delta}$ SYSTEM. International Journal of Materials Engineering and Technology, 2015, 13, 129-146.	0.1	4
100	Dielectric characterization of low-loss calcium strontium titanate fibers produced by laser floating zone technique for wireless communication. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2086-2089.	1.8	0
101	Magnetic Properties of Iron Phosphate Glass and Glassâ€Ceramics. Journal of the American Ceramic Society, 2014, 97, 2517-2524.	3.8	29
102	Effect of iron on the dielectric properties of silicate glasses prepared by solâ€gel. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1455-1458.	0.8	5
103	Phosphate Glass-glasses as New Energy Density Dielectric Materials. Procedia Engineering, 2014, 83, 371-377.	1.2	12
104	Effect of Processing Parameters on Ferroelectric Properties of 0.5(Ba,Ca)TiO₃-0.5Ba(Zr,Ti)O₃:Bulk, Thin Films and Fibers. Ferroelectrics, 2014, 466, 36-41.	0.6	2
105	Improved ferroelectric and pyroelectric properties of Pb-doped SrBi4Ti4O15 ceramics for high temperature applications. Journal of Alloys and Compounds, 2014, 583, 198-205.	5.5	45
106	Study of electrical and magnetic properties of Ba, La and Pb doped Bi1â˜xâ˜yDyxCyFe1â˜yTiyO3 perovskite ceramics. Solid State Communications, 2014, 180, 56-63.	1.9	4
107	Dielectric and magnetic properties of Ba-, La- and Pb-doped Bi0.8Gd0.1M0.1Fe0.9Ti0.1O3 perovskite ceramics. Journal of Advanced Dielectrics, 2014, 04, 1450010.	2.4	3
108	Observation of magnetoelectric coupling and local piezoresponse in modified (Na_{0.5}Bi_{0.5})TiO₃â€“BaTiO₃â€“CoFe₂O₄ lead-free composites. Dalton Transactions, 2014, 43, 9934-9943.	4.0	49

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109	Ferroelectric and magnetic properties of magnetoelectric (Na0.5Bi0.5)TiO3â€“BiFeO3 synthesized by acetic acid assisted solâ€“gel method. Journal of the European Ceramic Society, 2014, 34, 4201-4211.	5.7	45
110	Blue-green photoluminescence in BaZrO 3âˆ’Î´ powders. Chemical Physics Letters, 2014, 610-611, 341-344.	2.6	17
111	Conductivity of Cu+2 ion-conducting glassy nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 189, 21-26.	3.5	6
112	Effects of Mn doping on the electrical and dielectric properties of CaCu 3 Ti 4 O 12 fibres. Ceramics International, 2014, 40, 16503-16511.	4.8	25
113	Effect of rare-earth (La and Eu) doping on ferroelectric and magnetic properties of magnetoelectric Pb(Fe_{0.5}Nb_{0.5})O₃. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2094-2097.	1.8	11
114	Study of the influence of thermal treatment on the magnetic properties of lithium ferrite prepared by wet ball-milling using nitrates as raw material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 186, 83-88.	3.5	16
115	The influence of the heat treatment temperature in the magnetic characteristics of a SiO2â€“Li2Oâ€“Fe2O3 glass prepared by sol-gel. Journal of Non-Crystalline Solids, 2014, 391, 32-38.	3.1	2
116	Influence of Pr dopant on the dielectric properties and Curie temperatures of Ba1âˆ’3x Pr2x Ti0.95Sn0.05O3 (0.01â‰¤xâ‰¤0.05) ceramics. Applied Physics A: Materials Science and Processing, 2014, 114, 911-917.	2.3	7
117	Magnetic and Magnetocaloric Properties of Er2TiMnO7 Compound. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3455-3458.	1.8	8
118	Structure and ferroelectric studies of (Ba0.85Ca0.15)(Ti0.9Zr0.1)O3 piezoelectric ceramics. Materials Research Bulletin, 2013, 48, 4395-4401.	5.2	77
119	Structural characteristics and dielectric response of some zinc tellurite glasses and glass ceramics. Solid State Ionics, 2013, 230, 66-71.	2.7	14
120	Nb2O5 nanosize powders prepared by solâ€“gel â€“ Structure, morphology and dielectric properties. Journal of Alloys and Compounds, 2013, 553, 177-182.	5.5	93
121	Magnetocaloric effect in the vicinity of second order antiferromagnetic transition of Er2Mn2O7 compound at different applied magnetic field. Journal of Alloys and Compounds, 2013, 563, 28-32.	5.5	21
122	Magnetic and specific heat studies of the frustrated Er2Mn2O7 compound. Journal of Rare Earths, 2013, 31, 54-59.	4.8	8
123	Structural, dielectric and magnetic properties of Pr-, Tb- and Dy-doped (Bi0.95RE0.05)(Fe0.95Mn0.05)O3 ceramics synthesized by solid-state reaction method. Journal of Advanced Dielectrics, 2013, 03, 1350033.	2.4	3
124	Spectroscopic features of manganese doped tellurite borate glass ceramics. Journal of Physics and Chemistry of Solids, 2013, 74, 229-235.	4.0	22
125	Dielectric relaxation of the Ca2MnO4âˆ’Î´ system. Journal of Alloys and Compounds, 2013, 577, S483-S487.	5.5	8
126	Magnetite/hematite core/shell fibres grown by laser floating zone method. Applied Surface Science, 2013, 278, 203-206.	6.1	13

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127	Enhanced ferroelectric and magnetic properties of perovskite structured Bi1â˜'â˜'Gd La Fe1â˜'Ti O3 magnetoelectric ceramics. Journal of Physics and Chemistry of Solids, 2013, 74, 905-912.	4.0	16
128	Dielectric spectroscopy of Ca2MnO4-Î´ceramics using equivalent circuit analysis. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 631-635.	0.8	4
129	Microwave processing of porcelain tableware using a multiple generator configuration. Applied Thermal Engineering, 2013, 50, 677-682.	6.0	24
130	Spectroscopy of radiation defects in rutile TiO₂. Physica Status Solidi (B): Basic Research, 2013, 250, 843-849.	1.5	2
131	Enhancement of infrared emission in Er³⁺, Yb³⁺ coâ€doped sodium niobium tellurite nano glassâ€ceramics. Physica Status Solidi (B): Basic Research, 2013, 250, 837-842.	1.5	7
132	Magnetoabsorption and magnetic hysteresis in Ni ferrite nanoparticles. EPJ Web of Conferences, 2013, 40, 17003.	0.3	2
133	Raman Spectroscopy, X-Ray, SEM, and DTA Analysis of Alkali-Phosphate Glasses Containing<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mtext>WO</mml:mtext></mml:mrow><mml:mtext>3</mml:mtext></mml:m Nb₂O₅. Journal of Spectroscopy, 2013, 2013, 1-10.	1.3	30
134	Microstructures and Properties of Submicrometer Carbides Obtained by Conventional Sintering. Journal of the American Ceramic Society, 2012, 95, 951-961.	3.8	8
135	Effect of Tetramethylammonium Hydroxide on Nucleation, Surface Modification and Growth of Magnetic Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	34
136	Study of the Optical and Dielectric Properties of TiO₂ Nanocrystals Prepared by the Pechini Method. Journal of Nanoscience and Nanotechnology, 2012, 12, 8600-8606.	0.9	10
137	Study of the physical properties of La_{2Âˆ'Âx}Er_xTi₂O₇(0Âℓ‰ÂxÂℓ‰Â0.075) compounds. EPJ Applied Physics, 2012, 59, 10601.	0.7	2
138	Local Nanoelectromechanical Properties of Multiferroics Gd-Doped BiFeO3â€“BaTiO3 Solid Solution. Journal of Nanoscience and Nanotechnology, 2012, 12, 6639-6644.	0.9	2
139	Exotic Manganese Dioxide Structures in Niobium Oxides Capacitors. Microscopy and Microanalysis, 2012, 18, 99-100.	0.4	5
140	Structural and dielectric properties of Ba0.8 La0.133 Ti0.90 Sn0.1 O3. Solid State Communications, 2012, 152, 1874-1879.	1.9	31
141	Dielectric, modulus and impedance analysis of lead-free ceramics Ba0.8La0.133Ti1âˆ'x Sn x O3 (x=0.15 and) Tj ETQq1 1 0.784314 rgB	2.3	48
142	Improved magnetoelectric effect in modified (Na<inf>0.5</inf>Bi<inf>0.5</inf>)TiO<inf>3</inf>-BaTiO<inf>3</inf>-CoFe<inf>2</inf>O<inf>4</inf> lead-free multiferroic composites. , 2012, , .		0
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