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	Impedance and Modulus Spectroscopy Characterization of Tb modified Bi0.8A0.1Pb0.1Fe0.9Ti0.1O3 Ceramics. Materials Research, 2016, 19, 1-8.	1.3	134
2	Electromagnetic and thermal history during microwave heating. Applied Thermal Engineering, 2011, 31, 3255-3261.	6.0	106
3	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
4	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
5	Electrical conductivity and dielectric analysis of La0.75(Ca,Sr)0.25Mn0.85Ga0.15O3 perovskite compound. Journal of Alloys and Compounds, 2012, 536, 173-178.	5.5	84
6	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
7	Structure and ferroelectric studies of (Ba0.85Ca0.15)(Ti0.9Zr0.1)O3 piezoelectric ceramics. Materials Research Bulletin, 2013, 48, 4395-4401.	5.2	77
8	Preparation of size-controlled nanoparticles of magnetite. Journal of Magnetism and Magnetic Materials, 2012, 324, 1753-1757.	2.3	74
9	Electrical properties of lithium niobium silicate glasses. Journal of Non-Crystalline Solids, 2003, 325, 267-274.	3.1	67
10	Influence of the strong magnetocrystalline anisotropy on the magnetocaloric properties of MnP single crystal. Physical Review B, 2008, 77, .	3.2	62
11	Sintered NbO Powders for Electronic Device Applications. Journal of Physical Chemistry C, 2011, 115, 4879-4886.	3.1	61
12	Dielectric properties of BaTiO3 (BTO)â€“CaCu3Ti4O12 (CCTO) composite screen-printed thick films for high dielectric constant devices in the medium frequency (MF) range. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 111, 113-123.	3.5	60
13	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
14	Dielectric properties of polystyreneâ€“CCTO composite. Journal of Non-Crystalline Solids, 2008, 354, 5321-5322.	3.1	59
15	Effect of oxygen vacancies on SrTiO electrical properties. Journal of Alloys and Compounds, 2017, 723, 894-903.	5.5	59
16	Ferroelectric and ferromagnetic properties of Gd-doped BiFeO3â€“BaTiO3 solid solution. Materials Chemistry and Physics, 2010, 119, 539-545.	4.0	57
17	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La0.7Pb0.05Na0.25MnO3. Solid State Communications, 2011, 151, 315-320.	1.9	57
18	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO 3-Î´ compounds. Applied Surface Science, 2017, 426, 386-390.	6.1	54

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19	Raman and infrared spectra of KNbO3in niobate glass-ceramics. Journal of Physics Condensed Matter, 1999, 11, 4451-4460.	1.8	53
20	Crystallite size study of nanocrystalline hydroxyapatite and ceramic system with titanium oxide obtained by dry ball milling. Journal of Materials Science, 2007, 42, 3851-3855.	3.7	52
21	Spectroscopy studies of NiFe2O4 nanosized powders obtained using coconut water. Journal of Alloys and Compounds, 2009, 485, 637-641.	5.5	51
22	The electric behavior of a lithium-niobate-phosphate glass and glass-ceramics. Journal of Materials Science, 2006, 41, 1137-1144.	3.7	50
23	Structural and electrical characteristics of rare earth simple perovskite oxide La0.57Nd0.1Pb0.33Mn0.8Ti0.2O3. Solid State Communications, 2011, 151, 738-742.	1.9	50
24	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
25	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 rgBT	2.3	48
26	Solâ€“gel synthesis and photoluminescence analysis of Sm 3+ :NaGd(WO 4) 2 phosphors. Journal of Luminescence, 2016, 170, 743-748.	3.1	48
27	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
28	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
29	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
30	Structural and dielectric characterization of LiNbO3 nano-size powders obtained by Pechini method. Journal of Sol-Gel Science and Technology, 2012, 64, 78-85.	2.4	44
31	Electrospun composite cellulose acetate/iron oxide nanoparticles non-woven membranes for magnetic hyperthermia applications. Carbohydrate Polymers, 2018, 198, 9-16.	10.2	43
32	Electrical and dielectrical properties of the percolating system polystyrene/polypyrrole particles. European Polymer Journal, 2002, 38, 1495-1499.	5.4	42
33	Structural and electrical study of CaCu3Ti4O12 (CCTO) obtained in a new ceramic procedure. Journal of Materials Science: Materials in Electronics, 2009, 20, 163-170.	2.2	42
34	Electrical characterization of SiO2:LiNbO3 glass and glassâ€“ceramics using dc conductivity, TSDC measurements and dielectric spectroscopy. Journal of Non-Crystalline Solids, 2007, 353, 4390-4394.	3.1	41
35	NaNbO3 crystals dispersed in a B2O3 glass matrix â€“ Structural characteristics versus electrical and dielectrical properties. Solid State Sciences, 2009, 11, 570-577.	3.2	41
36	Decrease in dielectric loss of CaCu3Ti4O12 by the addition of TeO2. Journal of Non-Crystalline Solids, 2011, 357, 775-781.	3.1	41

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37	Electric and dielectric properties of a SiO2â€“Na2Oâ€“Nb2O5 glass subject to a controlled heat-treatment process. Physica B: Condensed Matter, 2007, 396, 62-69.	2.7	40
38	Solvent influenced synthesis of single-phase SnS₂ nanosheets for solution-processed photodiode fabrication. CrystEngComm, 2020, 22, 525-533.	2.6	40
39	Structural and electrical properties of polystyreneâ€“carbon composites. Solid State Communications, 1999, 112, 67-72.	1.9	39
40	Dielectric properties of CaCu3Ti4O12 (CCTO) doped with GeO2. Journal of Non-Crystalline Solids, 2010, 356, 822-827.	3.1	39
41	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
42	Dielectric properties and alternating current conductivity of solâ€“gel made La0.8Ca0.2FeO3 compound. Chemical Physics Letters, 2015, 637, 7-12.	2.6	38
43	Structural studies of lithium triborate (LBOâ€“LiB3O5) in borophosphate glass-ceramics. Solid State Sciences, 2001, 3, 829-838.	0.7	37
44	Preparation and optical characterization of hydroxyapatite and ceramic systems with titanium and zirconium formed by dry high-energy mechanical alloying. Solid State Sciences, 2004, 6, 1365-1374.	3.2	37
45	Magnetic, Raman and MÃ¶ssbauer properties of double-doping LaFeO3 perovskite oxides. Materials Chemistry and Physics, 2015, 149-150, 467-472.	4.0	37
46	Electrical conductivity and dielectric properties of Sr doped M-type barium hexaferrite BaFe₁₂O₁₉. RSC Advances, 2021, 11, 1531-1542.	3.6	37
47	Enhanced dielectric response of GeO2-doped CaCu3Ti4O12 ceramics. Journal of Applied Physics, 2009, 105, .	2.5	35
48	Effect of Tetramethylammonium Hydroxide on Nucleation, Surface Modification and Growth of Magnetic Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	34
49	Optical and magnetic properties of ZnO/ZnFe 2 O 4 nanocomposite. Materials Chemistry and Physics, 2017, 192, 330-338.	4.0	34
50	Structural studies of KNbO 3 in niobate glass-ceramics. Journal of Physics and Chemistry of Solids, 2000, 61, 899-906.	4.0	33
51	The modulus formalism used in the dielectric analysis of hydroxyapatite and calcium phosphate with titanium formed by dry ball milling. Journal of Non-Crystalline Solids, 2005, 351, 2945-2950.	3.1	32
52	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
53	Structural and electrical characteristics of LiNbO3 embedded in a 34% SiO2 glass matrix. Journal of the European Ceramic Society, 2008, 28, 1197-1203.	5.7	31
54	Experimental and numerical investigation of a ceramic dielectric resonator (DRA): CaCu3Ti4O12 (CCTO). Physica B: Condensed Matter, 2008, 403, 586-594.	2.7	31

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55	Structural and dielectric properties of Ba0.8 La0.133 Ti0.90 Sn0.1 O3. Solid State Communications, 2012, 152, 1874-1879.	1.9	31
56	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
57	The dielectric behavior of a thermoelectric treated B2O3â€“Li2Oâ€“Nb2O5 glass. Journal of Non-Crystalline Solids, 2008, 354, 3408-3413.	3.1	30
58	Low temperature dielectric dispersion and electrical conductivity studies on Fe2O3 mixed lithium yttrium silicate glasses. Journal of Non-Crystalline Solids, 2012, 358, 3175-3186.	3.1	30
59	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
60	Structural and electrical properties of TeO2â€“V2O5â€“K2O glassy systems. Journal of Non-Crystalline Solids, 2016, 443, 65-74.	3.1	30
61	Influence of thermal and thermoelectric treatments on structure and electric properties of B2O3â€“Li2Oâ€“Nb2O5 glasses. Journal of Non-Crystalline Solids, 2008, 354, 901-908.	3.1	29
62	Magnetic Properties of Iron Phosphate Glass and Glassâ€Ceramics. Journal of the American Ceramic Society, 2014, 97, 2517-2524.	3.8	29
63	Electrical and magnetic properties of Polystyrene doped with Iron nanoparticles. Polymer Bulletin, 2006, 57, 881-887.	3.3	28
64	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
65	AC and DC conductivity analysis of hydroxyapatite and titanium calcium phosphate formed by dry ball milling. Journal of Non-Crystalline Solids, 2006, 352, 1490-1494.	3.1	27
66	Electrical and dielectrical properties of SiO2â€“Li2Oâ€“Nb2O5 glass and glass-ceramics obtained by thermoelectric treatments. Journal of Non-Crystalline Solids, 2006, 352, 5199-5204.	3.1	27
67	Colossal dielectric constant of poly- and single-crystalline CaCu3Ti4O12 fibres grown by the laser floating zone technique. Acta Materialia, 2011, 59, 102-111.	7.9	27
68	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
69	Dielectric and structural studies of a SiO2â€“Li2Oâ€“Nb2O5 glass and glass-ceramic prepared by the solâ€“gel method. Journal of Non-Crystalline Solids, 2005, 351, 2951-2957.	3.1	26
70	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
71	Optically induced effects in nano-crystallized PbOâ€“Sb2O3â€“B2O3:Pr2O3 glasses. Journal of Alloys and Compounds, 2010, 500, 9-15.	5.5	25
72	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

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73	Structural and electrical study of calcium phosphate obtained by a microwave radiation assisted procedure. Physica B: Condensed Matter, 2009, 404, 1503-1508.	2.7	24
74	Magneto-structural studies of the bis (1,4-bis (3-aminopropylamine) piperazinium) chloride pentachlorocuprate (II) trihydrate. Solid State Communications, 2010, 150, 2005-2010.	1.9	24
75	Microwave processing of porcelain tableware using a multiple generator configuration. Applied Thermal Engineering, 2013, 50, 677-682.	6.0	24
76	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
77	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
78	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
79	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
80	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
81	Structural and magnetic properties and evidence of spin-glass behavior induced by Fe-doping in perovskite manganites B-site. Materials Characterization, 2011, 62, 243-247.	4.4	22
82	Spectroscopic features of manganese doped tellurite borate glass ceramics. Journal of Physics and Chemistry of Solids, 2013, 74, 229-235.	4.0	22
83	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
84	Structural and mechanical study of the sintering effect in hydroxyapatite doped with iron oxide. Physica B: Condensed Matter, 2008, 403, 3826-3829.	2.7	21
85	Synthesis and characterization of calcium copper titanate obtained by ethylenediaminetetraacetic acid gel combustion. Materials Chemistry and Physics, 2010, 124, 580-586.	4.0	21
86	Magnetocaloric effect in composite structures based on ferromagneticâ€“ferroelectric Pr0.6Sr0.4MnO3/BaTiO3 perovskites. Journal of Alloys and Compounds, 2011, 509, 9460-9465.	5.5	21
87	Magnesium ferrite nanoparticles inserted in a glass matrixâ€”Microstructure and magnetic properties. Materials Chemistry and Physics, 2012, 132, 264-272.	4.0	21
88	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
89	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
90	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

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91	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
92	Structural, magnetic and magnetocaloric study of Ni0.5Zn0.5Fe2O4 spinel. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	21
93	Charge ordering analysis by electrical and dielectric measurements in Ca2â^'xPrxMnO4 (x=0â€“0.2) compounds. Journal of Alloys and Compounds, 2011, 509, 6447-6451.	5.5	20
94	Study of structural and ferromagnetic properties of pure and Cd doped copper ferrite. Journal of Physics and Chemistry of Solids, 2011, 72, 862-868.	4.0	20
95	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
96	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
97	Microwave preparation, structure and electrical properties of calciumâ€“sodiumâ€“phosphate biosystem. Journal of Non-Crystalline Solids, 2006, 352, 3512-3517.	3.1	19
98	Dielectric analysis of tungstenâ€“phosphoniobate 20A2Oâ€“30WO3 â€“10Nb2O5 â€“40P2O5 (A=Li, Na) glassâ€“ceramics. Journal of Non-Crystalline Solids, 2011, 357, 55-61.	3.1	19
99	Synthesis, Magnetic Properties, Magnetic Entropy and Arrot Plot of Antiferromagnetic Frustrated Er2Ti2O7 Compound. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1035-1042.	1.8	19
100	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
101	Electrical analysis of niobium oxide thin films. Thin Solid Films, 2015, 585, 95-99.	1.8	18
102	Ferroelectric glass-ceramics. MRS Bulletin, 2017, 42, 213-219.	3.5	18
103	Structural and electrical properties of SiO2â€“Li2Oâ€“Nb2O5 glass and glass-ceramics obtained by thermoelectric treatments. Journal of Materials Science, 2007, 42, 2543-2550.	3.7	17
104	Dielectric relaxation and morphologic properties of CaCu3Ti4O12 doped with GeO2. Journal of Non-Crystalline Solids, 2009, 355, 2160-2164.	3.1	17
105	Morphological, structural, optical and dielectric properties of 91SiO2:4Li2O:4Nb2O5:1Dy2O3 (% mole) glass prepared by solâ€“gel. Optical Materials, 2011, 33, 1964-1969.	3.6	17
106	Blue-green photoluminescence in BaZrO 3â^'Î´ powders. Chemical Physics Letters, 2014, 610-611, 341-344.	2.6	17
107	The Iron Behaviour in Aluminosilicate Gel-Derived Materials. Journal of Sol-Gel Science and Technology, 2000, 17, 47-53.	2.4	16
108	Preparation, structure, morphology, and dc and ac conductivity of the 88SiO2-6Li2O-6Nb2O5 (% mole) sol-gel derived glass-ceramics. Journal of Sol-Gel Science and Technology, 2007, 42, 1-8.	2.4	16

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109	Field-Induced Microwave Absorption in Ni Ferrite Nanoparticles. IEEE Transactions on Magnetics, 2010, 46, 475-478.	2.1	16
110	Structure and magnetic properties of Cd doped copper ferrite. Journal of Alloys and Compounds, 2011, 509, 7585-7590.	5.5	16
111	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
112	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
113	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
114	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
115	Electrical Properties of Lithium Niobiosilicate Gel Derived Glass and Glass-Ceramics. Key Engineering Materials, 2002, 230-232, 161-164.	0.4	15
116	Electrical and dielectric analysis of phosphate based glasses doped with alkali oxides. Materials and Design, 2015, 86, 427-435.	7.0	15
117	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
118	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
119	Nanostructured LiFe5O8 by a Biogenic Method for Applications from Electronics to Medicine. Nanomaterials, 2021, 11, 193.	4.1	15
120	Magnetization behaviour of Gd lead borate and Fe lead borate glasses under high magnetic field (20 T). Journal of Non-Crystalline Solids, 1991, 134, 100-106.	3.1	14
121	Crystallization and properties of solâ€“gel derived 10Fe2O3â€“10Al2O3â€“80SiO2 glass-ceramics. Journal of Non-Crystalline Solids, 1998, 232-234, 409-415.	3.1	14
122	Structural properties and electrical behaviour in the polycrystalline lanthanum-deficiency La1â^'xâ–¡xMnO3 manganites. Journal of Magnetism and Magnetic Materials, 2009, 321, 1735-1738.	2.3	14
123	Structural characteristics and dielectric response of some zinc tellurite glasses and glass ceramics. Solid State Ionics, 2013, 230, 66-71.	2.7	14
124	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
125	The optical and 57Fe MÃ¶ssbauer spectra of lithium diborate (Li2B4O7) in borophosphate glass-ceramics. Physica B: Condensed Matter, 2002, 322, 276-288.	2.7	13
126	Crystallization of KNbO3 in a B2O3 glass network. Journal of Non-Crystalline Solids, 2008, 354, 5162-5164.	3.1	13

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127	X-ray photoelectron spectroscopy and magnetism of Mn1â^'xAlxNi alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 3415-3421.	2.3	13
128	Magnetite/hematite core/shell fibres grown by laser floating zone method. Applied Surface Science, 2013, 278, 203-206.	6.1	13
129	Synthesis, structural characterization and broadband ferromagnetic resonance in Li ferrite nanoparticles. Journal of Alloys and Compounds, 2018, 765, 186-192.	5.5	13
130	Structural Behaviors and Optical Properties of Semiconducting Zinc-Molybdate Glass Nanocomposites. Science of Advanced Materials, 2011, 3, 284-288.	0.7	13
131	Study of the electric and dielectric properties of SiO2â€“Li2Oâ€“Nb2O5 solâ€“gel glassâ€“ceramics. Journal of Non-Crystalline Solids, 2006, 352, 1501-1505.	3.1	12
132	Ethanol and Water Processing of Submicrometer Cemented Carbide Powders. Journal of the American Ceramic Society, 2011, 94, 84-91.	3.8	12
133	Phosphate Glass-glasses as New Energy Density Dielectric Materials. Procedia Engineering, 2014, 83, 371-377.	1.2	12
134	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
135	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
136	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
137	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
138	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
139	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
140	Simulating the electromagnetic field in microwave ovens. , 2011, , .		11
141	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
142	Study of structural, electrical, and dielectric properties of phosphate-borate glasses and glass-ceramics. Journal of Applied Physics, 2016, 120, .	2.5	11
143	Iron incorporation into magnesium aluminosilicate glass network under fast laser floating zone processing. Ceramics International, 2016, 42, 2693-2698.	4.8	11
144	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

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145	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
146	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
147	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
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