Jemai

List of Publications by Year in descending order

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47 papers	1,249 citations	394421 19 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	758 citing authors

#	Article	IF	Citations
1	Frequency and temperature-dependence of dielectric permittivity and electric modulus studies of the solid solution Ca_{0.85}Er_{0.1}Ti_{1â^'x}Co_{4x/3}O₃ (0 â‰¤ x â‰¤ 0.1). RSC Advances, 2018, 8, 17139-17150.	3.6	316
2	Structural, magnetic and magnetocaloric properties of La0.8Ba0.2Mn1â^'xFexO3 compounds with 0â©½xâ©½0.1. Journal of Alloys and Compounds, 2013, 550, 358-364.	5.5	59
3	Effect of the A Cation Size on the Structural, Magnetic, and Electrical Properties of Perovskites (La1â^'xNdx)0.7Sr0.3r003nMnO3. Journal of Solid State Chemistry, 2002, 163, 466-471.	2.9	54
4	The impact of disorder on magnetocaloric properties in Ti-doped manganites of La0.7Sr0.25Na0.05Mn(1â^'x)TixO3 (0â‰¤xâ‰¤0.2). Journal of Magnetism and Magnetic Materials, 2015, 395, 134-142.	2.3	50
5	The effect deficient of strontium on structural, magnetic and magnetocaloric properties of La0.57Nd0.1Sr0.33â^'xMnO3 (x=0.1 and 0.15) manganite. Journal of Magnetism and Magnetic Materials, 2013, 340, 91-96.	2.3	41
6	Effect of Nb-doping on the structural and electrical properties of Ba0.97La0.02Ti1-xNb4x/5O3 ceramics at room temperature synthesized by molten-salt method. Journal of Alloys and Compounds, 2019, 784, 204-212.	5.5	40
7	Effects of non magnetic aluminum Al doping on the structural, magnetic and transport properties in La0.57Nd0.1Sr0.33MnO3 manganite oxide. Journal of Alloys and Compounds, 2011, 509, 8047-8055.	5.5	33
8	Structural, optical and electrical properties of barium titanate. Materials Chemistry and Physics, 2021, 267, 124600.	4.0	33
9	Structural, magnetocaloric, electrical properties and theoretical investigations in manganite La0.67Sr0.1Ca0.23MnO3 type perovskite. Journal of Alloys and Compounds, 2015, 646, 23-31.	5.5	32
10	Effect of cobalt on structural, magnetic and magnetocaloric properties of La0.8Ba0.1Ca0.1Mn1-xCoxO3 (xÂ=Â0.00, 0.05 and 0.10) manganites. Journal of Alloys and Compounds, 2016, 681, 547-554.	5.5	31
11	Effect of indium substitution on structural, magnetic and magnetocaloric properties of La0.5Sm0.1Sr0.4Mn1â^'xInxO3 (0Ââ‰ÂxÂâ‰Â0.1) manganites. Journal of Alloys and Compounds, 2017, 691, 578-586.	5.5	31
12	Effect of Ti-substitution on magnetic and magnetocaloric properties of La 0.57 Nd 0.1 Pb 0.33 MnO 3. Journal of Alloys and Compounds, 2012, 530, 1-5.	5.5	29
13	Effect of strontium deficiency on the critical behavior at paramagneticÂto ferromagnetic phase transition in La0.57Nd0.1Sr0.33MnO3 manganite oxide. Solid State Sciences, 2013, 21, 19-25.	3.2	29
14	Structural, electric and dielectric properties of Ca0.85Er0.1Ti1â^'xCo4x/3O3(0â€‰â‰â€‰xâ€‰â‰â€‰0.1). Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	28
15	Structure properties and relaxor characteristics of the phases transformation in BaTi0.5(Fe0.33Mo0.17)O3 perovskite ceramic. Journal of Alloys and Compounds, 2016, 675, 174-182.	5.5	25
16	Evolution of structural, magnetic and magnetocaloric properties in Sn-doped manganites La0.57Nd0.1Sr0.33Mn1â^'x Sn x O3 (xÂ=Â0.05â€“0.3). Applied Physics A: Materials Science and Processing, 2014, 116, 1181-1191.	2.3	24
17	Large magnetocaloric effect in La0.75Ca0.25â€“xNaxMnO3 (0â€‰â‰â€‰xâ€‰â‰â€‰0.10) manganites. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	22
18	Conduction mechanisms study in CaCu2.8Ni0.2Ti4O12 ceramics sintered at different temperatures. Journal of Alloys and Compounds, 2020, 828, 154373.	5.5	21

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19	Critical behavior in Co-doped manganites La0.67Pb0.33Mn1âˆ’xCoxO3 (0â‰¤xâ‰¤0.08). Journal of Magnetism and Magnetic Materials, 2012, 324, 806-811.	2.3	20
20	Critical behavior and its correlation with magnetocaloric effect in La0.7Sr0.25Na0.05Mn(1âˆ’)Ti O3 (0â‰¤xâ‰¤0.1) manganite oxide. Ceramics International, 2015, 41, 8331-8340.	4.8	20
21	Microstructural, structural and dielectric analysis of Ni-doped CaCu3Ti4O12 ceramic with low dielectric loss. Journal of Materials Science: Materials in Electronics, 2019, 30, 14823-14833.	2.2	19
22	Raman spectra, photoluminescence, and low-frequency dielectric properties of Ba0.97La0.02Ti1âˆ’xNb4x/5O3 (xâ€‰=â€‰0.00, 0.05) ceramics at room temperature. Journal of Materials Science: Materials in Electronics, 2020, 31, 15296-15307.	2.2	18
23	Large magnetocaloric effect and critical behavior in La0.7Ba0.2Ca0.1Mn1âˆ’xAlxO3. RSC Advances, 2017, 7, 43590-43599.	3.6	17
24	Influence of non-magnetic ion In3+ on the magneto-transport properties in La0.7Bi0.05Sr0.15Ca0.1Mn1-xInxO3 (0 â‰¤ x â‰¤ 0.3) perovskite. Solid State Communications, 2019, 294, 16-22.	1.9	17
25	Correlation between magnetic and electric properties based on the critical behavior of resistivity and percolation model of La_{0.8}Ba_{0.1}Ca_{0.1}MnO₃ polycrystalline. RSC Advances, 2017, 7, 10928-10938.	3.6	16
26	Structural and large magnetocaloric properties of La0.67âˆ’Y Ba0.23Ca0.1MnO3 perovskites <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0009.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mn>0</mml:mn><mml:mo>â‰¤</mml:mo><mml:mi>x</mml:mi><mml:mo>â‰¤</mml:mo><mml:m	2.7	15
27	Effect of the substitution of titanium by chrome on the structural, dielectric and optical properties in CaLaTiâˆ’CrO perovskites. Journal of Alloys and Compounds, 2016, 663, 436-443.	5.5	15
28	Investigation of the magnetocaloric effect and the electrical properties of La 0.8 Ba 0.1 Ca 0.1 Mn 0.85 Co 0.15 O 3 oxide manganite. Materials Research Bulletin, 2017, 88, 91-97.	5.2	15
29	Relaxor characteristics and pyroelectric energy harvesting performance of BaTi0.91Sn0.09O3 ceramic. Journal of Alloys and Compounds, 2021, 872, 159699.	5.5	15
30	Effect of (Al, Sn) doping on structural, magnetic and magnetocaloric properties of La 0.7 Ca 0.1 Pb 0.2 Mn 1âˆ’xâˆ’y Al x Sn y O 3 (0Ââ‰Â x,y Ââ‰Â0.075) manganites. Journal of Alloys and Compounds, 2017, 699, 619-626.	5.5	14
31	Prediction of magnetoresistance using a magnetic field and correlation between the magnetic and electrical properties of La_{0.7}Bi_{0.05}Sr_{0.15}Ca_{0.1}Mn_{1âˆ’x}In_xO₃ (0 â‰¤ x â‰¤ 0.3) manganite. RSC Advances, 2017, 7, 30707-30716.	3.6	13
32	Magnetic, magnetocaloric and critical behavior investigation of La_{0.7}Ca_{0.1}Pb_{0.2}Mn_{1âˆ’xâˆ’y}Al_xSn_yO₃ (x, y = 0.0, 0.05 and 0.075) prepared by a solâ€“gel method. RSC Advances, 2017, 7, 43410-43423.	3.6	13
33	Large magnetocaloric entropy change at room temperature in soft ferromagnetic manganites. RSC Advances, 2019, 9, 65-76.	3.6	13
34	Effect of Ni substitution on the structural, magnetic and magnetocaloric properties of Zn0.5-xNixMg0.5Fe2O4 (x = 0, 0.125 and 0.250) ferrites. Solid State Sciences, 2020, 101, 106137.	3.2	12
35	Frequency and thermal studies of dielectric permittivity and Raman analysis of Ba0.97La0.02Ti0.98Nb0.016O3. Journal of Materials Science: Materials in Electronics, 2020, 31, 22323-22339.	2.2	10
36	Impedance analysis and modulus behavior of Ca0.85Er0.1Ti(1âˆ’x)Co4x/3O3 (xâ€‰=â€‰0.15 and 0.20) ceramic prepared by solâ€“gel reaction. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	10

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37	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La0.67Sr0.1Ca0.23MnO3 compound. Journal of Alloys and Compounds, 2016, 688, 1260-1267.	5.5	9
38	Electrical transport and specific heat properties of La0.6Pr0.1Sr0.3Mn1â^'xRuxO3 (x=0.00, 0.05 and 0.15) perovskites. Ceramics International, 2016, 42, 17687-17692.	4.8	9
39	Critical behavior near the ferromagnetic to paramagnetic phase transition temperature in polycrystalline La 0.5 Sm 0.1 Sr 0.4 Mn 1â^'x In x O 3 (0 â‰¤ x â‰¤ 0.1). Journal of Magnetism and Magnetic Materials, 2017, 434, 100-104.	2.3	9
40	La0.67Pb0.33â^'x K x MnO3 perovskites synthesized by solâ€“gel method: the effect of potassium substitution on the magnetic and electrical properties. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	9
41	Study of mean-field theory on the magnetocaloric effect of La0.7Bi0.05Sr0.15Ca0.1Mn0.85In0.15O3 manganite. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	8
42	Frequency-temperature response of Ba0.97La0.02Ti0.95Nb0.04O3 ceramic prepared by molten-salt method: impedance and modulus spectroscopy characterization. Journal of Materials Science: Materials in Electronics, 2021, 32, 26786-26797.	2.2	8
43	Critical phenomena and estimation of the spontaneous magnetization from a mean field analysis of the magnetic entropy change in La_{0.7}Ca_{0.1}Pb_{0.2}Mn_{0.95}Al_{0.025}Sn_{0.025}O₃ RSC Advances, 2018, 8, 3099-3107.	3.6	7
44	Large magnetic entropy change and prediction of magnetoresistance using a magnetic field in La0.5Sm0.1Sr0.4Mn0.975In0.025O3. RSC Advances, 2018, 8, 5395-5406.	3.6	5
45	Effect of La3+ substitution on the physical properties of CaTiO3â€“0.15KNbO3-based lead-free ceramics. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	5
46	Colossal permittivity, impedance analysis, and optical properties in La0.67Ba0.25Ca0.08Mn0.90Ti0.10O3 manganite. Journal of Materials Science: Materials in Electronics, 2021, 32, 6520-6537.	2.2	5
47	Nanoarchitectonics of Lead-Free Ba0.97La0.02Ti(1-x)Nb4x/5O3 Based Ceramic with Dielectrical and Raman Scattering Properties Studies. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3708-3724.	3.7	5