

# 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	Impedance analysis and modulus behavior of $\text{Ca}_{0.85}\text{Er}_{0.1}\text{Ti}(1-x)\text{Co}_x/\text{3O}_3$ ( $x=0.15$ and $0.20$ ) ceramic prepared by sol-gel reaction. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	2.3	10
2	Nanoarchitectonics of Lead-Free $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}(1-x)\text{Nb}_x/\text{5O}_3$ Based Ceramic with Dielectrical and Raman Scattering Properties Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3708-3724.	3.7	5
3	Colossal permittivity, impedance analysis, and optical properties in $\text{La}_{0.67}\text{Ba}_{0.25}\text{Ca}_{0.08}\text{Mn}_{0.90}\text{Ti}_{0.10}\text{O}_3$ manganite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6520-6537.	2.2	5
4	Structural, optical and electrical properties of barium titanate. <i>Materials Chemistry and Physics</i> , 2021, 267, 124600.	4.0	33
5	Relaxor characteristics and pyroelectric energy harvesting performance of $\text{BaTi}_{0.91}\text{Sn}_{0.09}\text{O}_3$ ceramic. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159699.	5.5	15
6	Frequency-temperature response of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}_{0.95}\text{Nb}_{0.04}\text{O}_3$ ceramic prepared by molten-salt method: impedance and modulus spectroscopy characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26786-26797.	2.2	8
7	Large magnetocaloric effect in $\text{La}_{0.75}\text{Ca}_{0.25-x}\text{NaxMnO}_3$ ( $0 \leq x \leq 0.10$ ) manganites. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	22
8	Effect of $\text{La}^{3+}$ substitution on the physical properties of $\text{CaTiO}_3\text{-}0.15\text{KNbO}_3$ -based lead-free ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	5
9	Raman spectra, photoluminescence, and low-frequency dielectric properties of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}(1-x)\text{Nb}_x/\text{5O}_3$ ( $x=0.00, 0.05$ ) ceramics at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15296-15307.	2.2	18
10	Frequency and thermal studies of dielectric permittivity and Raman analysis of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}_{0.98}\text{Nb}_{0.016}\text{O}_3$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22323-22339.	2.2	10
11	Conduction mechanisms study in $\text{CaCu}_{2.8}\text{Ni}_{0.2}\text{Ti}_4\text{O}_{12}$ ceramics sintered at different temperatures. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154373.	5.5	21
12	Effect of Ni substitution on the structural, magnetic and magnetocaloric properties of $\text{Zn}_{0.5-x}\text{Ni}_x\text{Mg}_{0.5}\text{Fe}_2\text{O}_4$ ( $x = 0, 0.125$ and $0.250$ ) ferrites. <i>Solid State Sciences</i> , 2020, 101, 106137.	3.2	12
13	Microstructural, structural and dielectric analysis of Ni-doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramic with low dielectric loss. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14823-14833.	2.2	19
14	Large magnetocaloric entropy change at room temperature in soft ferromagnetic manganites. <i>RSC Advances</i> , 2019, 9, 65-76.	3.6	13
15	Study of mean-field theory on the magnetocaloric effect of $\text{La}_{0.7}\text{Bi}_{0.05}\text{Sr}_{0.15}\text{Ca}_{0.1}\text{Mn}_{0.85}\text{In}_{0.15}\text{O}_3$ manganite. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	8
16	Influence of non-magnetic ion $\text{In}^{3+}$ on the magneto-transport properties in $\text{La}_{0.7}\text{Bi}_{0.05}\text{Sr}_{0.15}\text{Ca}_{0.1}\text{Mn}_{1-x}\text{In}_x\text{O}_3$ ( $0 \leq x \leq 0.3$ ) perovskite. <i>Solid State Communications</i> , 2019, 294, 16-22.	1.9	17
17	Effect of Nb-doping on the structural and electrical properties of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}(1-x)\text{Nb}_x/\text{5O}_3$ ceramics at room temperature synthesized by molten-salt method. <i>Journal of Alloys and Compounds</i> , 2019, 784, 204-212.	5.5	40
18	Large magnetic entropy change and prediction of magnetoresistance using a magnetic field in $\text{La}_{0.5}\text{Sm}_{0.1}\text{Sr}_{0.4}\text{Mn}_{0.975}\text{In}_{0.025}\text{O}_3$ . <i>RSC Advances</i> , 2018, 8, 5395-5406.	3.6	5

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19	Critical phenomena and estimation of the spontaneous magnetization from a mean field analysis of the magnetic entropy change in $\text{La}_{0.7}\text{Ca}_{0.1}\text{Pb}_{0.2}\text{Mn}_{0.95}\text{Al}_{0.025}\text{Sn}_{0.025}\text{O}_{3-x}$ ( $0 \leq x \leq 0.1$ ). RSC Advances, 2018, 8, 3099-3107.	3.6	7
20	Frequency and temperature-dependence of dielectric permittivity and electric modulus studies of the solid solution $\text{Ca}_{0.85}\text{Er}_{0.1}\text{Ti}_{1-x}\text{Co}_{4x/3}\text{O}_{3-x}$ ( $0 \leq x \leq 0.1$ ). RSC Advances, 2018, 8, 17139-17150.	3.6	316
21	Correlation between magnetic and electric properties based on the critical behavior of resistivity and percolation model of $\text{La}_{0.8}\text{Ba}_{0.1}\text{Ca}_{0.1}\text{MnO}_{3-x}$ polycrystalline. RSC Advances, 2017, 7, 10928-10938.	3.6	16
22	Investigation of the magnetocaloric effect and the electrical properties of $\text{La}_{0.8}\text{Ba}_{0.1}\text{Ca}_{0.1}\text{Mn}_{0.85}\text{Co}_{0.15}\text{O}_{3-x}$ oxide manganite. Materials Research Bulletin, 2017, 88, 91-97.	5.2	15
23	Prediction of magnetoresistance using a magnetic field and correlation between the magnetic and electrical properties of $\text{La}_{0.7}\text{Bi}_{0.05}\text{Sr}_{0.15}\text{Ca}_{0.1}\text{Mn}_{1-x}\text{In}_x\text{O}_{3-x}$ ( $0 \leq x \leq 0.3$ ) manganite. RSC Advances, 2017, 7, 30707-30716.	3.6	13
24	Critical behavior near the ferromagnetic to paramagnetic phase transition temperature in polycrystalline $\text{La}_{0.5}\text{Sm}_{0.1}\text{Sr}_{0.4}\text{Mn}_{1-x}\text{In}_x\text{O}_{3-x}$ ( $0 \leq x \leq 0.1$ ). Journal of Magnetism and Magnetic Materials, 2017, 434, 100-104.	2.3	9
25	Effect of (Al, Sn) doping on structural, magnetic and magnetocaloric properties of $\text{La}_{0.7}\text{Ca}_{0.1}\text{Pb}_{0.2}\text{Mn}_{1-x}\text{Al}_x\text{Sn}_y\text{O}_{3-x}$ ( $0 \leq x, y \leq 0.075$ ) manganites. Journal of Alloys and Compounds, 2017, 699, 619-626.	5.5	14
26	$\text{La}_{0.67}\text{Pb}_{0.33-x}\text{K}_x\text{MnO}_3$ perovskites synthesized by sol-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
27	Magnetic, magnetocaloric and critical behavior investigation of $\text{La}_{0.7}\text{Ca}_{0.1}\text{Pb}_{0.2}\text{Mn}_{1-x}\text{Al}_x\text{Sn}_y\text{O}_{3-x}$ ( $x, y = 0.0, 0.05$ and $0.075$ ) prepared by a sol-gel method. RSC Advances, 2017, 7, 43410-43423.	3.6	17
28	Large magnetocaloric effect and critical behavior in $\text{La}_{0.7}\text{Ba}_{0.2}\text{Ca}_{0.1}\text{Mn}_{1-x}\text{Al}_x\text{O}_3$ . RSC Advances, 2017, 7, 43590-43599.	3.6	17
29	Structural, electric and dielectric properties of $\text{Ca}_{0.85}\text{Er}_{0.1}\text{Ti}_{1-x}\text{Co}_{4x/3}\text{O}_{3-x}$ ( $0 \leq x \leq 0.1$ ). Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	28
30	Effect of indium substitution on structural, magnetic and magnetocaloric properties of $\text{La}_{0.5}\text{Sm}_{0.1}\text{Sr}_{0.4}\text{Mn}_{1-x}\text{In}_x\text{O}_3$ ( $0 \leq x \leq 0.1$ ) manganites. Journal of Alloys and Compounds, 2017, 691, 578-586.	5.5	31
31	Effect of cobalt on structural, magnetic and magnetocaloric properties of $\text{La}_{0.8}\text{Ba}_{0.1}\text{Ca}_{0.1}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ ( $x = 0.00, 0.05$ and $0.10$ ) manganites. Journal of Alloys and Compounds, 2016, 681, 547-554.	5.5	31
32	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in $\text{La}_{0.67}\text{Sr}_{0.1}\text{Ca}_{0.23}\text{MnO}_3$ compound. Journal of Alloys and Compounds, 2016, 688, 1260-1267.	5.5	9
33	Electrical transport and specific heat properties of $\text{La}_{0.6}\text{Pr}_{0.1}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ ( $x = 0.00, 0.05$ and $0.15$ ) perovskites. Ceramics International, 2016, 42, 17687-17692.	4.8	9
34	Structure properties and relaxor characteristics of the phases transformation in $\text{BaTi}_{0.5}(\text{Fe}_{0.33}\text{Mo}_{0.17})\text{O}_3$ perovskite ceramic. Journal of Alloys and Compounds, 2016, 675, 174-182.	5.5	25
35	Effect of the substitution of titanium by chrome on the structural, dielectric and optical properties in $\text{CaLaTi}_{1-x}\text{Cr}_x\text{O}$ perovskites. Journal of Alloys and Compounds, 2016, 663, 436-443.	5.5	15
36	Structural, magnetocaloric, electrical properties and theoretical investigations in manganite $\text{La}_{0.67}\text{Sr}_{0.1}\text{Ca}_{0.23}\text{MnO}_3$ type perovskite. Journal of Alloys and Compounds, 2015, 646, 23-31.	5.5	32

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37	Critical behavior and its correlation with magnetocaloric effect in $\text{La}_{0.7}\text{Sr}_{0.25}\text{Na}_{0.05}\text{Mn}_{(1-x)}\text{Ti}_x\text{O}_3$ ( $0 \leq x \leq 0.1$ ) manganite oxide. <i>Ceramics International</i> , 2015, 41, 8331-8340.	4.8	20
38	The impact of disorder on magnetocaloric properties in Ti-doped manganites of $\text{La}_{0.7}\text{Sr}_{0.25}\text{Na}_{0.05}\text{Mn}_{(1-x)}\text{Ti}_x\text{O}_3$ ( $0 \leq x \leq 0.2$ ). <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 395, 134-142.	2.3	50
39	Evolution of structural, magnetic and magnetocaloric properties in Sn-doped manganites $\text{La}_{0.57}\text{Nd}_{0.1}\text{Sr}_{0.33}\text{Mn}_{1-x}\text{Sn}_x\text{O}_3$ ( $x = 0.05 \text{ to } 0.3$ ). <i>Applied Physics A: Materials Science and Processing</i> , 2014, 2.3 116, 1181-1191.		24
40	Structural and large magnetocaloric properties of $\text{La}_{0.67}\text{Y}\text{Ba}_{0.23}\text{Ca}_{0.1}\text{MnO}_3$ perovskites	2.7	15
41	Effect of strontium deficiency on the critical behavior at paramagnetic to ferromagnetic phase transition in $\text{La}_{0.57}\text{Nd}_{0.1}\text{Sr}_{0.33}\text{MnO}_3$ manganite oxide. <i>Solid State Sciences</i> , 2013, 21, 19-25.	3.2	29
42	Structural, magnetic and magnetocaloric properties of $\text{La}_{0.8}\text{Ba}_{0.2}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ compounds with $0 \leq x \leq 0.1$ . <i>Journal of Alloys and Compounds</i> , 2013, 550, 358-364.	5.5	59
43	The effect deficient of strontium on structural, magnetic and magnetocaloric properties of $\text{La}_{0.57}\text{Nd}_{0.1}\text{Sr}_{0.33-x}\text{MnO}_3$ ( $x = 0.1$ and $0.15$ ) manganite. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 340, 91-96.	2.3	41
44	Effect of Ti-substitution on magnetic and magnetocaloric properties of $\text{La}_{0.57}\text{Nd}_{0.1}\text{Pb}_{0.33}\text{MnO}_3$ . <i>Journal of Alloys and Compounds</i> , 2012, 530, 1-5.	5.5	29
45	Critical behavior in Co-doped manganites $\text{La}_{0.67}\text{Pb}_{0.33}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ ( $0 \leq x \leq 0.08$ ). <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 806-811.	2.3	20
46	Effects of non magnetic aluminum Al doping on the structural, magnetic and transport properties in $\text{La}_{0.57}\text{Nd}_{0.1}\text{Sr}_{0.33}\text{MnO}_3$ manganite oxide. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8047-8055.	5.5	33
47	Effect of the A Cation Size on the Structural, Magnetic, and Electrical Properties of Perovskites ( $\text{La}_{1-x}\text{Nd}_x$ ) $\text{Sr}_{0.3}\text{MnO}_3$ . <i>Journal of Solid State Chemistry</i> , 2002, 163, 466-471.	2.9	54