Bejar Moez

List of Publications by Year
in descending order

106 papers	1,945 citations	279798 23 h-index	315739 38 g-index
106 all docs	106 docs citations	106 times ranked	1212 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	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
3	Preparation of double-doping <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si25.svg"><mml:mrow><mml:mrow><mml:mi>L</mml:mi><mml:mi>a</mml:mi><mml:mi>F</mml:mi><mml:mi>e</mml:mi> thin film for ethanol sensing application. Journal of Molecular Structure, 2022, 1267, 133543.	3.8	8
4	Investigation of Griffiths-like phase at low temperature in a new magnetocaloric compound, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mspace width="0.25em" /><mml:mi>A</mml:mi><mml:msub><mml:mi>l</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>M</mml:mi><mml:msub><mml:mn Journal of Physics and Chemistry of Solids, 2021, 148, 109605.	4.0	4
5	Mg-substitution effect on microstructure, dielectric relaxation and conduction phenomenon of Fe based perovskite nanomaterials. Journal of Alloys and Compounds, 2021, 856, 157425.	5.5	12
6	Assessment of the critical behavior in the multiferroic Bi0.8Ba0.1Er0.1Fe0.96Cr0.02Co0.02O3 material, multi-substitution effect on magnetic and MÃ¶ssbauer properties. Journal of Magnetism and Magnetic Materials, 2021, 524, 167640.	2.3	4
7	Influence of film-thickness on the ozone detection of perovskite La0.8Pb0.1Ca0.1Fe1â^'xCoxO3 based sensors. New Journal of Chemistry, 2021, 45, 11626-11635.	2.8	2
8	La0.8Pb0.1Ca0.1Fe1â^'xCoxO3 thin films as ozone-sensitive layers. Journal of Materials Science: Materials in Electronics, 2021, 32, 23983-23998.	2.2	0
9	Structural, dielectric relaxation and magnetic features of the (La0.8Ca0.2)0.9Bi0.1Fe1â^'yTiyO3 (yâ€¯=â€¯0.0) Tj ETQq1 1 0.784314 rg	5.5	7
10	Structural, morphological and excellent gas sensing properties of La1â€“2xBaxBixFeO3 (0.00Ââ‰¤xÂâ‰¤Â0.20) nanoparticles. Journal of Alloys and Compounds, 2021, 883, 160856.	5.5	11
11	Structural, morphological, Raman, dielectric and electrical properties of La_{1â^'2x}Ba_xBi_xFeO₃ (0.00 â‰¤ x) Tj ETQq1 1 0.784314	3.6	13
12	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
13	Morphological and electrical properties of La0.8Ca0.1Pb0.1FeO3 perovskite nanopowder for NH3 and CO gas detection. Journal of Electroceramics, 2020, 45, 39-46.	2.0	5
14	Ozone detection based on nanostructured <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>0.8</mml:mn></mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>0.1</mml:mn></mml:msub><mml:mi mathvariant="normal"	5.5	6
15	MÃ¶ssbauer and magnetic studies of (La0.8Ca0.2)1-xBixFeO3 perovskites. Hyperfine Interactions, 2020, 241, 1.	0.5	5
16	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
17	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
18	Correlation between structural, magnetic and gas sensor properties of La0.885Pb0.005Ca0.11Fe1-xCoxO2.95(0.00â‰¤xâ‰¤0.15) compounds. Materials Research Bulletin, 2020, 130, 110922.	5.2	5

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19	Effect of the annealing temperature and of Bi substitution on the structural and magnetic behaviors of double-doping (Bi/La, Ca) (La0.8Ca0.2)1â^'xBixFeO3 compounds. New Journal of Chemistry, 2020, 44, 9813-9821.	2.8	6
20	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
21	Prediction of magnetocaloric effect using a phenomenological model in (x) La0.6Ca0.4MnO3/(1Ââ^'Âx) La0.6Sr0.4MnO3 composites. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	9
22	New perovskite compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:mi mathvariant="normal">a</mml:mi></mml:mrow><mml:mrow><mml:mn>0.885</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">P</mml:mi><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mrow><mml:mn>0.005</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mr	2.6	15
23	Evaluation of the relationship between the magnetism and the optical properties in SrTiO3-Γ defective systems: Experimental and theoretical studies. Journal of Magnetism and Magnetic Materials, 2019, 478, 175-186.	2.3	20
24	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
25	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
26	Structural, Morphological, Raman, and MÃ¶ssbauer Studies on (La0.8Ca0.2)1â^'xBixFeO3 (x = 0.0, 0.1, and) Tj ETQq0 0 0 rgBT /Overlock	1.8	9
27	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
28	Appearance of Griffiths-Like Phase in a New Pyrochlore Compound La2Mn2O7â^'Î´. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2133-2139.	1.8	3
29	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
30	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
31	Magnetocaloric study, critical behavior and spontaneous magnetization estimation in La_{0.6}Ca_{0.3}Sr_{0.1}MnO₃ perovskite. RSC Advances, 2018, 8, 9430-9439.	3.6	42
32	Synthesis and Magnetic Properties of New Pyrochlore Fe2Mn2O7 Compound. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3803-3808.	1.8	7
33	Structural and NH3 gas-sensing properties of La0.8Ca0.1Pb0.1Fe1-Co O3 (0.00 â‰¤ x â‰¤ 0.20) perovskite compounds. Journal of Alloys and Compounds, 2018, 731, 655-661.	5.5	23
34	Preparation and electron correlation effects of the perovskite La0.8Ca0.1Pb0.1Fe1â^'Co O3 (0â€¯â‰¤â€¯xâ€¯â‰¤â€¯0.20). Solid State Ionics, 2018, 324, 157-162.	2.7	7
35	Ab initio LSDA+U Study of Optical Properties of RVO4 (R = Eu, Ho, Lu) Compounds. Materials Research, 2018, 21, .	1.3	3
36	Optimal Bandgap of Double Perovskite La-Substituted Bi ₂ FeCrO ₆ for Solar Cells: an ab initio GGA+ U Study. Chinese Physics Letters, 2017, 34, 016101.	3.3	13

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37	Electronic structure and magnetic properties of rare-earth perovskite gallates from first principles. Chinese Physics B, 2017, 26, 017101.	1.4	4
38	Critical behavior in the La 0.6 Ca 0.4â˜'x Sr x MnO 3 nano-particle compounds for x Â=Â0, 0.05 and 0.4. Journal of Physics and Chemistry of Solids, 2017, 109, 50-63.	4.0	9
39	Ground state properties of actinide dioxides: A self-consistent Hubbard U approach with spin orbit coupling. International Journal of Computational Materials Science and Engineering, 2017, 06, 1750006.	0.7	2
40	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO 3- Î´ compounds. Applied Surface Science, 2017, 426, 386-390.	6.1	54
41	Effect of oxygen vacancies on SrTiO electrical properties. Journal of Alloys and Compounds, 2017, 723, 894-903.	5.5	59
42	Hardness in rare earth diboride systems: Ab initio full-potential study. Superlattices and Microstructures, 2017, 101, 575-583.	3.1	3
43	Temperature and Excitation Power-Density Dependences of the Photoluminescence of BaZrO2.9 Compound. Journal of Electronic Materials, 2017, 46, 709-712.	2.2	0
44	Influence of crystallite size reduction on the magnetic and magnetocaloric properties of La0.6Sr0.35Ca0.05CoO3 nanoparticles. Polyhedron, 2017, 121, 19-24.	2.2	11
45	Role of gallium ion on the conducting properties of La0.7(Ba, Sr)0.3Mn1â˜'Ga O3 (x=0.0, 0.1 and 0.2) perovskite. Ceramics International, 2016, 42, 11256-11258.	4.8	14
46	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
47	Fermi Surfaces of Compensated and Uncompensated Metals: GGA+U+SO Comparative Ab Initio Study. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2195-2201.	1.8	0
48	Magnetic anisotropy and superparamagnetism in La 0.6 Ca 0.4 MnO 3 , La 0.6 Sr 0.4 MnO 3 and their mixed composition 0.875 La 0.6 Ca 0.4 MnO 3 /0.125 La 0.6 Sr 0.4 MnO 3 , agglomerated at different temperatures. Materials Chemistry and Physics, 2016, 182, 429-438.	4.0	11
49	Influence of Ga doping on the critical behavior of La0.7(Ba,Sr)0.3Mn1-Ga O3. Journal of Alloys and Compounds, 2016, 666, 425-431.	5.5	11
50	Effect of Ga substitution on magnetocaloric effect in La0.7(Ba, Sr)0.3Mn1â˜'xGaxO3 (0.0â‰¤x â‰¤0.20) polycrystalline at room temperature. Journal of Magnetism and Magnetic Materials, 2016, 399, 143-148.	2.3	26
51	Effect of the annealing temperature on the structural and magnetic behaviors of 0.875La 0.6 Ca 0.4 MnO 3 /0.125La 0.6 Sr 0.4 MnO 3 composition. Journal of Magnetism and Magnetic Materials, 2016, 401, 56-62.	2.3	10
52	Prediction of magnetocaloric effect in La0.6Ca0.4â˜'xSrxMnO3 compounds for x=0, 0.05 and 0.4 with phenomenological model. Ceramics International, 2016, 42, 697-704.	4.8	23
53	Dielectric properties and alternating current conductivity of solâ€"gel made La0.8Ca0.2FeO3 compound. Chemical Physics Letters, 2015, 637, 7-12.	2.6	38
54	Shine blue and blue-green photoluminescence in BaZrO3â˜'Î´ powders: An Ab-initio analysis of structural deformation. Chemical Physics Letters, 2015, 635, 228-233.	2.6	8

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55	Shine red and yellow photoluminescence in GdAlO3â˜Î´ powders. Journal of Alloys and Compounds, 2015, 640, 501-503.	5.5	6
56	Theoretical investigation of the magnetocaloric effect on La0.7(Ba, Sr)0.3Mn0.9Ga0.1O3 compound at room temperature. Journal of Magnetism and Magnetic Materials, 2015, 386, 81-84.	2.3	32
57	Study of critical behavior of perovskite La0.8Ca0.2â˜xPbxFeO3 (x=0.0, 0.1 and 0.2) compounds. Journal of Alloys and Compounds, 2015, 638, 305-312.	5.5	11
58	Theoretical investigation of the magnetocaloric effect of La0.7(Ba, sr)0.3MnO3 compound at room temperature with a second-order magnetic phase transition. Ceramics International, 2015, 41, 10654-10658.	4.8	37
59	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
60	Electrical conductivity and ac dielectric properties of La0.8Ca0.2-Pb FeO3 (x= 0.05, 0.10 and 0.15) perovskite compounds. Journal of Alloys and Compounds, 2015, 653, 506-512.	5.5	60
61	Magnetic, Raman and MÃ¶ssbauer properties of double-doping LaFeO3 perovskite oxides. Materials Chemistry and Physics, 2015, 149-150, 467-472.	4.0	37
62	Blue-green photoluminescence in BaZrO 3â˜Î´ powders. Chemical Physics Letters, 2014, 610-611, 341-344.	2.6	17
63	Green photoluminescence in GdAlO3â˜Î´ powders. Materials Letters, 2014, 128, 235-237.	2.6	21
64	Structural, electrical and ethanol sensing properties of double-doping LaFeO3 perovskite oxides. Ceramics International, 2014, 40, 14367-14373.	4.8	82
65	Magnetic and Magnetocaloric Properties of Er2TiMnO7 Compound. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3455-3458.	1.8	8
66	Crystal, spin glass, Griffiths phases and magneticaloric properties of the Sr1.5Nd0.5MnO4compound. Physica B: Condensed Matter, 2013, 414, 42-49.	2.7	14
67	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
68	Magnetic and specific heat studies of the frustrated Er2Mn2O7 compound. Journal of Rare Earths, 2013, 31, 54-59.	4.8	8
69	Dielectric relaxation of the Ca2MnO4â˜Î´ system. Journal of Alloys and Compounds, 2013, 577, S483-S487.	5.5	8
70	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
71	Study of the Magneto-Resistivity and Dependence of Percolation in La0.75Ca0.1Sr0.15Mn1â˜x Ga x O3 Compounds. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3099-3104.	1.8	2
72	Study of the physical properties of La_{2Ââ˜Âx}Er_xTi₂O₇(0Ââ‰ÂxÂâ‰Â0.075) compounds. EPJ Applied Physics, 2012, 59, 10601.	0.7	2

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73	Influence of Ca-deficiency on the magneto-transport properties in La0.8Ca0.2MnO3 perovskite and estimation of magnetic entropy change. Journal of Applied Physics, 2012, 111, 103909-1039096.	2.5	48
74	Critical behavior in Ga-doped manganites La0.75(Sr,Ca)0.25Mn1â^'xGaxO3 (0â‰¤xâ‰¤0.1). Journal of Magnetism and Magnetic Materials, 2012, 324, 3122-3128.	2.3	34
75	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
76	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
77	Preparation of New Composite Magnetocaloric Compounds by Modifying the Annealing Temperature of La0.8Ca0.2â^'x â–¡ x MnO3 Perovskite. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1151-1157.	1.8	11
78	Structural and Magnetic Studies of Ca2â^'x Sm x MnO Compounds (x=0â€“0.4). Journal of Superconductivity and Novel Magnetism, 2012, 25, 1169-1175.	1.8	13
79	Effect of Fe-doping on Magnetocaloric Properties of AMn1â^'x Fe x O3 Compounds (0â‰¤xâ‰¤0.2). Journal of Superconductivity and Novel Magnetism, 2012, 25, 1495-1500.	1.8	3
80	Structural, magnetic and magnetocaloric properties of AMn1â^'xGaxO3 compounds with 0â‰¤xâ‰¤0.2. Physica B: Condensed Matter, 2012, 407, 2566-2572.	2.7	25
81	Effect of calcium deficiency on the critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La0.8Ca0.2MnO3 oxides. Journal of Magnetism and Magnetic Materials, 2012, 324, 2142-2146.	2.3	58
82	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
83	Structural, magnetic and magnetocaloric properties of the lanthanum deficient in La0.8Ca0.2â^'xâ–¡xMnO3 (x=0â€“0.20) manganites oxides. Journal of Alloys and Compounds, 2011, 509, 7410-7415.	5.5	92
84	Effect of the oxygen deficiency on the physical properties of Ca2MnO4â^'Î´ compounds. Journal of Alloys and Compounds, 2011, 509, 8965-8969.	5.5	3
85	Electrical and dielectric properties of the Ca2MnO4â^'Î´ system. Solid State Communications, 2011, 151, 1331-1335.	1.9	25
86	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
87	New complex magnetic materials for an application in Ericsson refrigerator. Solid State Communications, 2009, 149, 969-972.	1.9	40
88	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
89	Structural and magnetic characterisation of the perovskite oxides La0.7Ca0.3â^'x NaxMnO3. Open Physics, 2009, 7, .	1.7	5
90	The effect of the annealing temperature on the structural and magnetic properties of the manganites compounds. Journal of Alloys and Compounds, 2009, 475, 46-50.	5.5	53

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91	Magnetic, Electrical Properties and Spin-Glass Effect of Substitution of Ca for Pr in Ca2-xPrxMnO4 Compounds. The Open Surface Science Journal, 2009, 1, 54-58.	2.0	7
92	Electrical conductivity and dielectric analysis of the perovskite La0.7Ca0.3â^'xKxMnO3 (, 0.05 and 0.10). Solid State Communications, 2008, 148, 577-581.	1.9	25
93	Effect of the substitution of calcium by potassium on the dielectric properties in La<inf>0.7</inf>Ca<inf>0.3−x</inf>K<inf>x</inf>MnO<inf>3</inf> compounds. , 2008, , .		1
94	The Effect of Electron Doping on the Physical Properties of La1 - xCexMnO3 Manganites. Ferroelectrics, 2008, 371, 119-126.	0.6	1
95	Magnetic Refrigeration: Application to the Electron Doped Manganites. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 31-40.	0.3	1
96	Influence of A-site cation size-disorder on structural, magnetic and magnetocaloric properties of La0.7Ca0.3â^'xKxMnO3 compounds. Journal of Alloys and Compounds, 2007, 440, 36-42.	5.5	51
97	Large magnetic entropy change at room temperature in La0.7Ca0.3â^'xKxMnO3. Journal of Alloys and Compounds, 2007, 442, 136-138.	5.5	44
98	The effect of the B-site size on the structural, magnetic and electrical properties of La0.7Ca0.3MnO3â^'Î´ compounds. Journal of Magnetism and Magnetic Materials, 2007, 311, 512-516.	2.3	37
99	Magnetocaloric effect on strontium vacancies in polycrystalline La0.7Sr0.3â^'xâ–¡xMnO3. Journal of Magnetism and Magnetic Materials, 2007, 316, e566-e568.	2.3	22
100	Effect of the oxygen deficiency in physical properties of La0.7Ca0.25Sr0.05MnO3â^'Î´â–¡Î´ oxides (0â©½Î´â©½0.15). Journal of Magnetism and Magnetic Materials, 2007, 316, e703-e706.	2.3	13
101	Effects of substituting divalent by monovalent ion on the physical properties of La0.7Ca0.3â^'xKxMnO3 compounds. Journal of Magnetism and Magnetic Materials, 2007, 316, e707-e709.	2.3	17
102	Magnetocaloric effect at room temperature in powder of La0.5(CaSr)0.5MnO3. Journal of Alloys and Compounds, 2006, 414, 31-35.	5.5	58
103	Influence of Strain Compensation on Structural and Electrical Properties of InAlAs/InGaAs HEMT Structures Grown on InP. Japanese Journal of Applied Physics, 1999, 38, 1169-1173.	1.5	5
104	New Scanning Photoluminescence Technique for Quantitative Mapping the Surface Recombination Velocity in InP and Related Materials. Japanese Journal of Applied Physics, 1999, 38, 992-995.	1.5	5
105	Residual strain mapping in IIIâ€“V materials by spectrally resolved scanning photoluminescence. Microelectronics Journal, 1999, 30, 651-657.	2.0	5
106	Room temperature scanning photoluminescence for mapping the lifetime and the doping density in epitaxial layers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 44, 125-129.	3.5	4