

Essebti Dhahri

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357
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367
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ext. citations

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L-index

#	Paper	IF	Citations
357	Conduction mechanism, impedance spectroscopic investigation and dielectric behavior of La _{0.5} Ca _{0.5-x} Ag _x MnO ₃ manganites with compositions below the concentration limit of silver solubility in perovskites (0 ≤ x ≤ 0.2). <i>Dalton Transactions</i> , 2015 , 44, 10457-66	4.3	122
356	Structural, magnetic and magnetocaloric properties of the lanthanum deficient in La _{0.8} Ca _{0.2-2x} MnO ₃ (x=0-0.20) manganites oxides. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7410-7415	5.7	84
355	The infrared absorption and dielectric properties of Li _{0.5} ferrite. <i>Journal of Alloys and Compounds</i> , 2009 , 470, 294-300	5.7	81
354	Effects of the Oxygen Nonstoichiometry on the Physical Properties of La _{0.7} Sr _{0.3} MnO _{3-δ} Manganites (0 ≤ δ ≤ 0.15). <i>Journal of Solid State Chemistry</i> , 2000 , 151, 139-144	3.3	79
353	Structural characterization, magnetic, magnetocaloric properties and phenomenological model in manganite La _{0.75} Sr _{0.1} Ca _{0.15} MnO ₃ compound. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 221-227	5.7	65
352	Effect of Ni-doping on structural, magnetic and magnetocaloric properties of La _{0.6} Pr _{0.1} Ba _{0.3} Mn _{1-x} Ni _x O ₃ nanocrystalline manganites synthesized by Pechini sol-gel method. <i>Journal of Alloys and Compounds</i> , 2014 , 615, 553-560	5.7	65
351	Large magnetocaloric effect in lanthanum-deficiency manganites La _{0.8-2x} Ca _{0.2} MnO ₃ (0.00 ≤ x ≤ 0.20) with a first-order magnetic phase transition. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 364, 5-10	2.8	62
350	Structural, electrical and ethanol sensing properties of double-doping LaFeO ₃ perovskite oxides. <i>Ceramics International</i> , 2014 , 40, 14367-14373	5.1	62
349	Electrical conductivity and dielectric analysis of La _{0.75} (Ca,Sr) _{0.25} Mn _{0.85} Ga _{0.15} O ₃ perovskite compound. <i>Journal of Alloys and Compounds</i> , 2012 , 536, 173-178	5.7	61
348	Magnetic, magnetocaloric, magnetotransport and magnetoresistance properties of calcium deficient manganites La _{0.8} Ca _{0.2-2x} MnO ₃ post-annealed at 800°C. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 771-777	5.7	60
347	Critical behavior in Sr-doped manganites La _{0.6} Ca _{0.4-2x} Sr _x MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2013 , 546, 84-91	5.7	60
346	Structural, magnetic and magnetocaloric properties of Ag-doped La _{0.5} Ca _{0.5-2x} Ag _x MnO ₃ compounds with 0 ≤ x ≤ 0.4. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 564-571	5.7	57
345	Magnetic transition and magnetic entropy changes of La _{0.8} Pb _{0.1} MnO ₃ and La _{0.8} Pb _{0.1} Na _{0.1} MnO ₃ . <i>Materials Letters</i> , 2010 , 64, 2138-2141	3.3	57
344	Magnetocaloric effect at room temperature in powder of La _{0.5} (CaSr) _{0.5} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2006 , 414, 31-35	5.7	57
343	Magnetic and spectroscopic properties of Ni-Zn-Al ferrite spinel: from the nanoscale to microscale.. <i>RSC Advances</i> , 2020 , 10, 34556-34580	3.7	56
342	Effects of vacancy and Na doping on the structural, magnetic and transport properties of La _{0.8} Pb _{0.1} (?/Na) _{0.1} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2516-2524	2.8	55
341	Electrical conductivity and dielectric behaviour of nanocrystalline LaGdSrMnSiO ₃ . <i>RSC Advances</i> , 2018 , 8, 9103-9111	3.7	53

340	Effect of calcium deficiency on the critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La _{0.8} Ca _{0.2} MnO ₃ oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2142-2146	2.8	52
339	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La _{0.7} Pb _{0.05} Na _{0.25} MnO ₃ . <i>Solid State Communications</i> , 2011 , 151, 315-320	1.6	51
338	Electrical conductivity and ac dielectric properties of La _{0.8} Ca _{0.2} -Pb FeO ₃ (x= 0.05, 0.10 and 0.15) perovskite compounds. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 506-512	5.7	50
337	The effect of the annealing temperature on the structural and magnetic properties of the manganites compounds. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 46-50	5.7	50
336	Effect of the A Cation Size on the Structural, Magnetic, and Electrical Properties of Perovskites (La _{1-x} Nd _x) _{0.7} Sr _{0.3} MnO ₃ . <i>Journal of Solid State Chemistry</i> , 2002 , 163, 466-471	3.3	50
335	Influence of A-site cation size-disorder on structural, magnetic and magnetocaloric properties of La _{0.7} Ca _{0.3-x} K _x MnO ₃ compounds. <i>Journal of Alloys and Compounds</i> , 2007 , 440, 36-42	5.7	49
334	Effect of Sn-doping on the structural, magnetic and magnetocaloric properties of La _{0.67} Ba _{0.33} Mn _{1-x} Sn _x O ₃ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 2613-2617	2.8	48
333	Electric dielectric properties and complex impedance analysis of La _{0.5} Ca _{0.5-x} Ag _x MnO ₃ manganites. <i>RSC Advances</i> , 2015 , 5, 2177-2184	3.7	47
332	Electrical transport and giant magnetoresistance in La _{0.75} Sr _{0.25} Mn _{1-x} Cr _x O ₃ (0.15, 0.20 and 0.25) manganite oxide. <i>Dalton Transactions</i> , 2015 , 44, 5620-7	4.3	47
331	Structural, magnetic and magnetocaloric properties of La _{0.7} Ca _{0.2} Sr _{0.1} Mn _{1-x} Cr _x O ₃ compounds with x = 0, 0.05 and 0.1. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 488-496	5.7	46
330	Influence of Ca-deficiency on the magneto-transport properties in La _(0.8) Ca _(0.2) MnO ₍₃₎ perovskite and estimation of magnetic entropy change. <i>Journal of Applied Physics</i> , 2012 , 111, 103909-1039096	2.5	46
329	Effect of particle size reduction on the structural, magnetic properties and the spin excitations in ferromagnetic insulator La _{0.9} Sr _{0.1} MnO ₃ nanoparticles. <i>Ceramics International</i> , 2015 , 41, 2955-2962	5.1	45
328	Magnetic and magnetoresistance properties in rhombohedral perovskite-type compounds. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 7485-7492	1.8	45
327	The influence of disorder on the appearance of Griffiths phase and magnetoresistive properties in (La _{1-x} Nd _x) _{2/3} (Ca _{1-y} Sr _y) _{1/3} MnO ₃ oxides. <i>Ceramics International</i> , 2014 , 40, 1641-1649	5.1	44
326	A giant magnetocaloric effect with a tunable temperature transition close to room temperature in Na-deficient La _{0.8} Na _{0.2-x} MnO ₃ manganites. <i>Dalton Transactions</i> , 2015 , 44, 12796-803	4.3	43
325	Effect of oxygen vacancies on SrTiO electrical properties. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 894-903	5.7	42
324	Effect of Co substitution on magnetocaloric effect in La _{0.67} Pb _{0.33} Mn _{1-x} Co _x O ₃ (0.15 ≤ x ≤ 0.3). <i>Journal of Alloys and Compounds</i> , 2010 , 507, 405-409	5.7	40
323	Critical parameters near the ferromagnetic-paramagnetic phase transition in La _{0.5} Ca _{0.5-x} Ag _x MnO ₃ compounds (0.1 ≤ x ≤ 0.2). <i>Ceramics International</i> , 2014 , 40, 8945-8951	5.1	39

322	Monovalent effects on structural, magnetic and magnetoresistance properties in doped manganite oxides. <i>Journal of Alloys and Compounds</i> , 2004 , 365, 25-30	5-7	38
321	Structural, magnetic and electrical properties of $\text{La}_{0.67}\text{Pb}_{0.33}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ ($0 \leq x \leq 0.3$). <i>Journal of Alloys and Compounds</i> , 2010 , 496, 69-74	5-7	37
320	New complex magnetic materials for an application in Ericsson refrigerator. <i>Solid State Communications</i> , 2009 , 149, 969-972	1.6	37
319	Impact of vacancy and Na substitutions on the critical magnetic behavior in polycrystalline $\text{La}_{0.8}\text{Pb}_{0.2}\text{MnO}_3$. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 1528-1533 ²⁻³	3-3	37
318	Large magnetic entropy change at room temperature in $\text{La}_{0.7}\text{Ca}_{0.3-x}\text{K}_x\text{MnO}_3$. <i>Journal of Alloys and Compounds</i> , 2007 , 442, 136-138	5-7	37
317	A-site-deficiency-dependent structural, magnetic and magnetoresistance properties in the $\text{Pr}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ manganites. <i>Journal of Alloys and Compounds</i> , 2015 , 620, 249-255	5-7	36
316	Effect of Cr Doping in $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ with $0 \leq x \leq 0.5$. <i>Physica Status Solidi A</i> , 2001 , 184, 319-325		36
315	Size confinement and magnetization improvement by La^{3+} doping in BiFeO_3 quantum dots. <i>Solid State Sciences</i> , 2013 , 20, 23-28	3-4	35
314	Structural and electrical characteristics of rare earth simple perovskite oxide $\text{La}_{0.57}\text{Nd}_{0.1}\text{Pb}_{0.33}\text{Mn}_{0.8}\text{Ti}_{0.2}\text{O}_3$. <i>Solid State Communications</i> , 2011 , 151, 738-742	1.6	35
313	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO_3 -Compounds. <i>Applied Surface Science</i> , 2017 , 426, 386-390	6.7	34
312	The effect of the B-site size on the structural, magnetic and electrical properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ -Compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 311, 512-516	2.8	34
311	Analyse cristallographique des mecanismes de formation des phases ternaires $\text{Ln}^2\text{M}^2\text{X}$ (terre rare-métal de transition-non métal) de formule $(\text{Ln}, \text{M})_2\text{X}$. <i>Journal of Solid State Chemistry</i> , 1987 , 66, 73-85	3-3	34
310	Structural characterization, magnetic properties and magnetocaloric effects of $\text{La}_{0.75}\text{Sr}_{0.25}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ ($x = 0.15, 0.20, \text{ and } 0.25$). <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 116, 2077-2085 ^{2,6}	2,6	33
309	Theoretical investigation of the magnetocaloric effect of $\text{La}_{0.7}(\text{Ba}, \text{Sr})_{0.3}\text{MnO}_3$ compound at room temperature with a second-order magnetic phase transition. <i>Ceramics International</i> , 2015 , 41, 10654-10658 ^{5,1}	5,1	31
308	Critical behavior in Ga-doped manganites $\text{La}_{0.75}(\text{Sr}, \text{Ca})_{0.25}\text{Mn}_{1-x}\text{Ga}_x\text{O}_3$ ($0 \leq x \leq 0.1$). <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3122-3128	2.8	30
307	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	5-7	30
306	Theoretical investigation of the magnetocaloric effect on $\text{La}_{0.7}(\text{Ba}, \text{Sr})_{0.3}\text{Mn}_{0.9}\text{Ga}_{0.1}\text{O}_3$ compound at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 386, 81-84	2.8	29
305	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	5-7	28

304	Magnetic, Raman and Mössbauer properties of double-doping LaFeO ₃ perovskite oxides. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 467-472	4.4	27
303	Structural and magnetotransport properties of (La, Pr)-Ba manganites. <i>Journal of Alloys and Compounds</i> , 2019 , 783, 718-728	5.7	27
302	Dielectric properties and alternating current conductivity of sol-gel made La _{0.8} Ca _{0.2} FeO ₃ compound. <i>Chemical Physics Letters</i> , 2015 , 637, 7-12	2.5	26
301	Electrical transport and giant magnetoresistance in La _{0.8-α} xCa _{0.2} MnO ₃ (x=0, 0.1 and 0.2) oxides. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 363, 217-223	2.8	26
300	Effect of Al substitution on magnetocaloric effect in La _{0.57} Nd _{0.15} Sr _{0.33} Mn _{1-α} Al _x O ₃ (0.0 \leq α \leq 0.30) polycrystalline near room temperature. <i>Journal of Alloys and Compounds</i> , 2012 , 518, 32-37	5.7	26
299	Magnetocaloric study, critical behavior and spontaneous magnetization estimation in LaCaSrMnO perovskite.. <i>RSC Advances</i> , 2018 , 8, 9430-9439	3.7	25
298	Effects of oxygen deficiency on the transport and dielectric properties of NdSrNbO. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 117, 1-12	3.9	25
297	Effect of annealing temperature on structural, morphology and dielectric properties of La _{0.75} Ba _{0.25} FeO ₃ perovskite. <i>Superlattices and Microstructures</i> , 2018 , 117, 260-270	2.8	25
296	Investigation of annealing effects on the physical properties of NiZnFeAlO ferrite.. <i>RSC Advances</i> , 2019 , 9, 19949-19964	3.7	25
295	Influence of Pr-doped manganite on critical behavior of La _{0.7-α} Pr _x Ba _{0.3} MnO ₃ (x=0.00, 0.1, 0.2). <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 349, 149-155	2.8	25
294	Effect of sintering temperature and grain size on the electrical transport properties of La _{0.67} Sr _{0.33} MnO ₃ manganite. <i>Chemical Physics Letters</i> , 2015 , 640, 77-81	2.5	25
293	Effect of potassium doping on physical properties of perovskites La _{0.8} Cd _{0.2-α} K _x MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2010 , 489, 9-12	5.7	25
292	Giant magnetoresistance at room temperature achieved in the ferromagnetic phase of powder La _{0.5} Sr _{0.5} MnO ₃ . <i>Phase Transitions</i> , 1998 , 66, 99-107	1.3	25
291	Investigation of the structural, optical, elastic and electrical properties of spinel LiZnFeO nanoparticles annealed at two distinct temperatures.. <i>RSC Advances</i> , 2019 , 9, 40940-40955	3.7	25
290	Structural, magnetic, magnetocaloric and electrical studies of Dy _{0.5} (Sr _{1-α} Cax) _{0.5} MnO ₃ manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 444, 270-279	2.8	24
289	Size reduction effect on the critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La _{0.9} Sr _{0.1} MnO ₃ nanoparticles. <i>Solid State Communications</i> , 2015 , 208, 45-52	1.6	23
288	Appearance of Griffiths phase in oxygen deficient La _{0.4} Ca _{0.6} MnO _{3-α} oxides. <i>Materials Letters</i> , 2012 , 84, 48-51	3.3	23
287	Structural, magnetic and magnetocaloric properties of AMn _{1-α} GaxO ₃ compounds with 0 \leq α \leq 0.2. <i>Physica B: Condensed Matter</i> , 2012 , 407, 2566-2572	2.8	23

286	Effect of particle size reduction on the magnetic phase transition and the magnetocaloric properties in ferromagnetic insulator La _{0.9} Sr _{0.1} MnO ₃ nanoparticles. <i>Chemical Physics Letters</i> , 2015 , 625, 168-173	2.5	22
285	Magnetic and magnetoresistance in half-doped manganite La _{0.5} Ca _{0.5} MnO ₃ and La _{0.5} Ca _{0.4} Ag _{0.1} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2015 , 644, 632-637	5.7	22
284	Magnetocaloric properties of La _{0.67} Sr _{0.33} MnO ₃ tunable by particle size and dimensionality. <i>Chemical Physics Letters</i> , 2018 , 691, 355-359	2.5	22
283	Size-induced Griffiths phase-like in ferromagnetic metallic La _{0.67} Sr _{0.33} MnO ₃ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 403, 181-187	2.8	22
282	Electrical transport and magnetoresistance properties of (1-x)La _{0.6} Sr _{0.4} MnO ₃ /x(Sb ₂ O ₃) composites. <i>Journal of Alloys and Compounds</i> , 2013 , 576, 404-408	5.7	22
281	Resistivity, I ² R characteristics and Hall effect in Dy _{0.5} (Sr _{1-x} Ca _x) _{0.5} MnO ₃ manganites. <i>Materials Research Bulletin</i> , 2017 , 95, 525-531	5.1	22
280	Structure, magnetic and electrical transport properties of the perovskites La _{0.67} Eu _x Sr _{0.33} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 326, 129-137	2.8	22
279	Magneto-structural studies of the bis (1,4-bis (3-aminopropylamine) piperazinium) chloride pentachlorocuprate (II) trihydrate. <i>Solid State Communications</i> , 2010 , 150, 2005-2010	1.6	22
278	Prediction of magnetocaloric effect in La _{0.6} Ca _{0.4} Sr _x MnO ₃ compounds for x=0, 0.05 and 0.4 with phenomenological model. <i>Ceramics International</i> , 2016 , 42, 697-704	5.1	21
277	Structural and electrical properties of Zn _{1-x} Ni _x Fe ₂ O ₄ ferrite. <i>Physica B: Condensed Matter</i> , 2015 , 466-467, 31-37	2.8	21
276	Effect of synthesis route on structural, magnetic and magnetocaloric aspects and critical behavior of La _{0.6} Ca _{0.3} Ag _{0.1} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2018 , 753, 282-291	5.7	21
275	Structural and NH ₃ gas-sensing properties of La _{0.8} Ca _{0.1} Pb _{0.1} Fe _{1-x} Co _x O ₃ (0.00 ≤ x ≤ 0.20) perovskite compounds. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 655-661	5.7	21
274	Effect of Ga substitution on magnetocaloric effect in La _{0.7} (Ba, Sr) _{0.3} Mn _{1-x} Ga _x O ₃ (0.0 ≤ x ≤ 0.20) polycrystalline at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 399, 143-148	2.8	21
273	Effect of exceeding the concentration limit of solubility of silver in perovskites on the dielectric and electric properties of half doped lanthanum calcium manganite. <i>Physica B: Condensed Matter</i> , 2015 , 473, 1-6	2.8	21
272	Electrical conductivity and dielectric analysis of the perovskite La _{0.7} Ca _{0.3} K _x MnO ₃ (x = 0.05 and 0.10). <i>Solid State Communications</i> , 2008 , 148, 577-581	1.6	21
271	Critical behavior in Co-doped manganites La _{0.67} Pb _{0.33} Mn _{1-x} Co _x O ₃ (0 ≤ x ≤ 0.08). <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 806-811	2.8	20
270	Magnetocaloric effect on strontium vacancies in polycrystalline La _{0.7} Sr _{0.3} xMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e566-e568	2.8	20
269	Mise en evidence d'une nouvelle serie de pnetures ternaires de formule generale Ln ₆ Ni ₂₀ X ₁₃ (X = P, As). <i>Journal of Solid State Chemistry</i> , 1985 , 56, 335-342	3.3	20

268	Impact of CuO phase on magnetocaloric and magnetotransport properties of La _{0.6} Ca _{0.4} MnO ₃ ceramic composites. <i>Journal of Alloys and Compounds</i> , 2016 , 678, 427-433	5.7	20
267	Magnetocaloric properties and Landau theory of Dy _{0.5} (Sr _{1-x} Cax) _{0.5} MnO ₃ (0 ≤ x ≤ 0.3) manganites at cryogenic temperatures. <i>Chemical Physics Letters</i> , 2017 , 680, 94-100	2.5	19
266	Structural, magnetic and electrical properties of self-doped La _{0.8} Na _{0.2-x} MnO ₃ manganites. <i>Physica B: Condensed Matter</i> , 2014 , 449, 36-41	2.8	19
265	Investigation of structural, magnetocaloric and electrical properties of La _{0.6} Ca _{0.4-x} Sr _x MnO ₃ compounds. <i>Physica B: Condensed Matter</i> , 2013 , 408, 104-109	2.8	19
264	Conductivity and giant permittivity study of ZnNiFeO spinel ferrite as a function of frequency and temperature.. <i>RSC Advances</i> , 2019 , 9, 32395-32402	3.7	19
263	Transport properties of silver-calcium doped lanthanum manganite. <i>Physica B: Condensed Matter</i> , 2015 , 457, 240-244	2.8	18
262	Influence of Pr-doping on magnetic phase transition and magnetocaloric effect of La _{0.7-x} Pr _x Ba _{0.3} MnO ₃ manganite. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 728-733	4.4	18
261	Critical behavior near the ferromagnetic to paramagnetic phase transition temperature in polycrystalline La _{0.7} Ca _{0.2} Sr _{0.1} Mn _{1-x} Cr _x O ₃ (x= 0.15 and 0.2). <i>Journal of Alloys and Compounds</i> , 2015 , 618, 788-794	5.7	18
260	Structure, Raman, dielectric behavior and electrical conduction mechanism of strontium titanate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 99, 75-81	3	18
259	Unconventional critical magnetic behavior in the Griffiths ferromagnet La _{0.4} Ca _{0.6} MnO _{2.8} O ₂ oxide. <i>Journal of Solid State Chemistry</i> , 2013 , 201, 63-67	3.3	18
258	Magnetocaloric effect in composite structures based on ferromagnetic/ferroelectric Pr _{0.6} Sr _{0.4} MnO ₃ /BaTiO ₃ perovskites. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9460-9465	5.7	18
257	Structural and magnetic properties and evidence of spin-glass behavior induced by Fe-doping in perovskite manganites B-site. <i>Materials Characterization</i> , 2011 , 62, 243-247	3.9	18
256	Large magnetocaloric effect in manganese perovskite La Bi BaMnO near room temperature.. <i>RSC Advances</i> , 2019 , 9, 5530-5539	3.7	18
255	The influence of disorder on critical behavior near the paramagnetic to ferromagnetic phase transition temperature in (La _{1-x} Ndx) _{2/3} (Ca _{1-x} Sry) _{1/3} MnO ₃ doped manganite. <i>Journal of Alloys and Compounds</i> , 2014 , 584, 617-624	5.7	17
254	Critical Behavior of Ti Doping La _{0.57} Nd _{0.1} Pb _{0.33} Mn _{1-x} Ti _x O ₃ Perovskite System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 1475-1484	1.5	17
253	Effect of the oxygen deficiencies creation on the suppression of the diamagnetic behavior of SrTiO ₃ compound. <i>Journal of Alloys and Compounds</i> , 2016 , 680, 560-564	5.7	17
252	Oxygen-vacancy-related giant permittivity and ethanol sensing response in SrTiO ₃ - ceramics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 108, 317-325	3	17
251	Structural, morphological, Raman and ac electrical properties of the multiferroic sol-gel made Bi _{0.8} Er _{0.1} Ba _{0.1} Fe _{0.96} Cr _{0.02} Co _{0.02} O ₃ material. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 304-315	5.7	17

250	Effect of Cr substitution on magnetic and magnetic entropy change of La _{0.65} Eu _{0.05} Sr _{0.3} Mn _{1-x} Cr _x O ₃ (0.05 ≤ x ≤ 0.15) rhombohedral nanocrystalline near room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 375, 136-142	2.8	16
249	Collapse of charge ordering and enhancement of magnetocaloric effect in La _{0.5} Ca _{0.5-Δ} Ag MnO ₃ (x= 0.0 and 0.2). <i>Chemical Physics Letters</i> , 2014 , 607, 25-28	2.5	16
248	Green photoluminescence in GdAlO ₃ powders. <i>Materials Letters</i> , 2014 , 128, 235-237	3.3	16
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128	Estimation of the magnetic entropy change by means of Landau theory and phenomenological model in La0.6Ca0.2Sr0.2MnO3/Sb2O3 ceramic composites. <i>Phase Transitions</i> , 2018 , 91, 573-585	1.3	5
127	Study of ZnO room temperature NO2 sensor under illumination prepared by auto-combustion. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	5
126	Magnetocaloric-Transport Properties Correlation in La0.8Ca0.2MnO3-Doped Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 3091-3095	1.5	4
125	Impact of Titanium Doping on Structural, Magnetic, and Magnetocaloric Properties and Order of Transition in La0.5Pr0.3Ba0.2Mn1-xTixO3 (x = 0.0 and 0.1) Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 3679-3690	1.5	4

124	Shine red and yellow photoluminescence in GdAlO ₃ powders. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 501-503	5.7	4
123	Mössbauer and magnetic studies of (La _{0.8} Ca _{0.2}) _{1-x} BixFeO ₃ perovskites. <i>Hyperfine Interactions</i> , 2020 , 241, 1	0.8	4
122	Enhancement of Magnetocaloric Effect in ((La) _{0.67} (Ca) _{0.33} (MnO) ₃)/((La) _{0.7} (Ba) _{0.3} (MnO) ₃) Composite. <i>Journal of Low Temperature Physics</i> , 2018 , 190, 315-327	1.3	4
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120	Prediction of magnetocaloric effect using a phenomenological model in (x) La _{0.6} Ca _{0.4} MnO ₃ /(1-x) La _{0.6} Sr _{0.4} MnO ₃ composites. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	4
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112	Improvement of magnetocaloric properties around room temperature in (1-x) La _{0.6} Ca _{0.4} MnO ₃ /(x) La _{0.6} Sr _{0.4} MnO ₃ (0 ≤ x ≤ 1) composite system. <i>Phase Transitions</i> , 2020 , 93, 311-322	1.3	4
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64	Structural and Dielectric Properties of La _{0.5} Pr _{0.2} Ba _{0.3} Mn _{1-x} Ti _x O ₃ (x = 0.0 and 0.1) Manganite. <i>Journal of Low Temperature Physics</i> , 2021 , 203, 158-179	1.3	2
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41	Correlation between magnetic and electrical properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Mn}_{0.9}\text{V}_{0.1}\text{O}_3$ based on critical behavior. <i>Phase Transitions</i> , 2018 , 91, 1246-1255	1.3	1
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37	Study of room temperature NO_2 sensing performances of ZnO_{1-x} ($x = 0, 0.05, 0.10$). <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	1
36	Structural, morphological, and electrical properties of silver-substituted ZnAl_2O_4 nanoparticles. <i>RSC Advances</i> , 2022 , 12, 15848-15860	3.7	1
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30	Structural and dielectric behaviors for Mg _{0.5} Co _{0.5} Fe ₂ O ₄ spinel ferrite synthesized by sol-gel route. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 490	2.1	○
29	Structural, morphological, Raman, dielectric and electrical properties of La Ba Bi FeO (0.00-0.20) compounds.. <i>RSC Advances</i> , 2021 , 11, 36148-36165	3.7	○
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26	Effect of Non-magnetic Ti ⁴⁺ Ion Doping at Mn-site on Magnetocaloric Properties and Critical Behavior in AMn _{1-x} Ti _x O ₃ (0 ≤ x ≤ 0.2) Compounds. <i>Journal of Low Temperature Physics</i> , 2021 , 204, 64-84	1.3	○
25	Structural, dielectric and electrical properties of Sol-gel auto-combustion technic of CuFeCr _{0.5} Ni _{0.5} O ₄ ferrite. <i>Journal of Materials Science</i> , 2021 , 56, 16044-16058	4.3	○
24	Influence of Non-magnetic Ti ⁴⁺ Ion Doping at Mn Site on Structural, Magnetic, and Magnetocaloric Properties of La _{0.5} Pr _{0.2} Sr _{0.3} Mn _{1-x} Ti _x O ₃ Manganites (x = 0.0 and 0.1). <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 1653-1662	1.5	○
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21	The Impact of Disorder on the Disappearance of Metamagnetic Behavior and Enhancement of Temperature Coefficient of Resistivity for (La _{1-x} Nd _x) _{2/3} (Ca _{1-y} Sr _y) _{1/3} MnO ₃ Ceramics. <i>Journal of Low Temperature Physics</i> , 2021 , 202, 175-184	1.3	○
20	Assessment of the critical behavior in the multiferroic Bi _{0.8} Ba _{0.1} Er _{0.1} Fe _{0.96} Cr _{0.02} Co _{0.02} O ₃ material, multi-substitution effect on magnetic and Mössbauer properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 524, 167640	2.8	○
19	Enhanced dielectric performance of Dy - substituted YMn ₂ O ₅ for high-frequency applications. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 762-762	3.6	○
18	Specific features of structural, magnetic, Raman and Mössbauer: Properties of La _{0.57} Nd _{0.10} Sr _{0.18} Ag _{0.15} FeO ₃ ferrite nanoparticules. <i>Journal of Molecular Structure</i> , 2021 , 1238, 130344	3.4	○
17	Study of structural, magnetic, magnetocaloric properties and critical behavior of CoFeCuO ₄ spinel ferrite. <i>Inorganic Chemistry Communication</i> , 2021 , 133, 108933	3.1	○

16	Investigation of temperature and frequency dependence of the dielectric properties of multiferroic (LaCa)BiFeO nanoparticles for energy storage application.. <i>RSC Advances</i> , 2022 , 12, 6907-6917	3.7	○
15	Simulation study by phenomenological and Bean-Rodbell methods of La _{0.7} Sr _{0.3} Mn _{0.95} Fe _{0.05} O ₃ compound. <i>Indian Journal of Physics</i> , 2022 , 50, 103-107	1.4	○
14	Experimental and theoretical study of magnetic and magnetocaloric properties of the lacunar La _{0.8} □ _{0.2} MnO _{2.8} compound: Bean-Rodbell model. <i>Inorganic Chemistry Communication</i> , 2022 , 139, 1093-1097	3.1	○
13	Effect of Sintering Temperature and Polarization on the Dielectric and Electrical Properties of La _{0.9} Sr _{0.1} MnO ₃ Manganite in Alternating Current. <i>Materials</i> , 2022 , 15, 3683	3.5	○
12	Unconventional critical behavior of the magnetic refrigerant system Er _{0.98} □ _{0.02} Co ₂ around its ferromagnetic-paramagnetic transition. <i>Physica Scripta</i> , 2020 , 95, 055811	2.6	
11	A new modeling approach for amorphous silicon passivated front contact for thin silicon solar cells. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	
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9	Étude magnétique des matériaux de type Ln ₂ M ₁₂ P ₇ (Ln = Ce, Sm, Gd et Er; M = Co et Fe). <i>Canadian Journal of Physics</i> , 2000 , 78, 153-159	1.1	
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6	Landau mean-field analysis of magnetic entropy change and spontaneous magnetization estimation in Nd _{0.6} Sr _{0.3} K _{0.1} MnO ₃ perovskite. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	
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