

# Essebti Dhahri

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

357  
papers

5,140  
citations

37  
h-index

50  
g-index

367  
ext. papers

6,081  
ext. citations

3.1  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
357	Influence of Ni content on structural, magnetocaloric and electrical properties in manganite LaBaSrMn Ni O (0-1) type perovskites.. <i>RSC Advances</i> , <b>2022</b> , 12, 3935-3947	3.7	0
356	Synthesis and investigation on the microstructural and electrical proprieties of Ni <sub>0.1</sub> Co <sub>0.5</sub> Cu <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite prepared using sol-gel route. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 308, 122898	3.3	0
355	Theoretical study of magnetic and magnetocaloric properties and MCE modeling by the mean-field theory in CoFeCuO <sub>4</sub> spinel ferrite. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 135, 109103	3.1	0
354	The Influence of Sb <sub>2</sub> O <sub>3</sub> Phase on Critical Behavior of La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /x(Sb <sub>2</sub> O <sub>3</sub> ) (x = 0, 0.7 and x = 0.18) Ceramic Composites. <i>Journal of Low Temperature Physics</i> , <b>2022</b> , 206, 148-165	1.3	0
353	Magnetocaloric Effect, Dielectric Relaxor Behavior, and Evidence for Direct Magnetodielectric Behavior in Ni <sub>0.6</sub> Zn <sub>0.4</sub> Al <sub>0.5</sub> Fe <sub>1.5</sub> O <sub>4</sub> Ceramics for High-Temperature Applications. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 2857-2867	3.8	0
352	Theoretical study of the magnetic properties and the magnetocaloric effect in lanthanum manganite lacunar compounds. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 164196	5.7	0
351	Structural and dielectric behaviors for Mg <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrite synthesized by sol-gel route. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 490	2.1	0
350	Experimental and theoretical studies of structural, magnetic and electronic properties of Ba <sub>1-x</sub> Sr <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> (x = 0, 0.5, 1) hexaferrites. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 136, 109163	3.1	2
349	Study of the doping of Sr by Ag in manganites La <sub>0.57</sub> Nd <sub>0.1</sub> Sr <sub>0.33-x</sub> Ag <sub>x</sub> MnO <sub>3</sub> (0.00-0.15) on assessment structural, magnetic and Magnetocaloric at room temperature. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1253, 132282	3.4	1
348	Investigation of temperature and frequency dependence of the dielectric properties of multiferroic (LaCa)BiFeO nanoparticles for energy storage application.. <i>RSC Advances</i> , <b>2022</b> , 12, 6907-6917	3.7	0
347	Impact of Sintering Temperature on the Electrical Properties of La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> Manganite. <i>Catalysts</i> , <b>2022</b> , 12, 340	4	1
346	Experimental and theoretical study of magnetic and magnetocaloric properties of the lacunar La <sub>0.8</sub> ? <sub>0.2</sub> MnO <sub>2.8</sub> compound: Bean-Rodbell model. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 139, 109310	3.1	0
345	Impedance spectroscopy and giant permittivity study of ZnFe <sub>2</sub> O <sub>4</sub> spinel ferrite as a function of frequency and temperature. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 906, 164361	5.7	1
344	Study of room temperature NO <sub>2</sub> sensing performances of ZnO <sub>1-x</sub> (x = 0, 0.05, 0.10). <i>Applied Physics A: Materials Science and Processing</i> , <b>2022</b> , 128, 1	2.6	1
343	Experimental and modeling study of ZnO:Ni nanoparticles for near-infrared light emitting diodes.. <i>RSC Advances</i> , <b>2022</b> , 12, 13074-13086	3.7	4
342	Structural, morphological, and electrical properties of silver-substituted ZnAl <sub>2</sub> O <sub>4</sub> nanoparticles. <i>RSC Advances</i> , <b>2022</b> , 12, 15848-15860	3.7	1
341	Effect of Sintering Temperature and Polarization on the Dielectric and Electrical Properties of La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> Manganite in Alternating Current. <i>Materials</i> , <b>2022</b> , 15, 3683	3.5	0

340	Landau mean-field analysis of magnetic entropy change and spontaneous magnetization estimation in Nd <sub>0.6</sub> Sr <sub>0.3</sub> K <sub>0.1</sub> MnO <sub>3</sub> perovskite. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	
339	Superlinear dependence of the conductivity, double/single Jonscher variations and the contribution of various conduction mechanisms in transport properties of La <sub>0.5</sub> Ca <sub>0.2</sub> Ag <sub>0.3</sub> MnO <sub>3</sub> manganite. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 898, 162866	5.7	2
338	Structural, morphological, Raman, dielectric and electrical properties of La Ba Bi FeO (0.00 $\leq$ 0.20) compounds.. <i>RSC Advances</i> , <b>2021</b> , 11, 36148-36165	3.7	0
337	Study of the influence of 2.5% Mg insertion in the B-site of LaCaPbFeO on its structural, electrical and dielectric properties.. <i>RSC Advances</i> , <b>2021</b> , 11, 33070-33080	3.7	
336	Study of critical magnetic behavior around the ferromagnetic $\rightarrow$ paramagnetic phase transition of the half-doped perovskite Nd <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>3</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	
335	Study of structural, morphological, Mössbauer and dielectric properties of NiFeCoO <sub>4</sub> prepared by a sol gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2021</b> , 98, 364-375	2.3	2
334	Percolation conductivity model in A site-deficient La <sub>0.8</sub> $\times$ Na <sub>0.2</sub> $\times$ MnO <sub>3</sub> manganites and universal model of magnetic field-dependent resistivity and magnetoresistance behavior. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 25987	2.1	
333	Structural and Magnetic Characterizations of RuddlesdenPopper Family (Ca <sub>2-x</sub> Nd <sub>x</sub> MnO <sub>4</sub> ) Compound Synthesized by Ceramic Route. <i>Journal of Low Temperature Physics</i> , <b>2021</b> , 203, 143-157	1.3	2
332	Structural and Dielectric Properties of La <sub>0.5</sub> Pr <sub>0.2</sub> Ba <sub>0.3</sub> Mn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> (x = 0.0 and 0.1) Manganite. <i>Journal of Low Temperature Physics</i> , <b>2021</b> , 203, 158-179	1.3	2
331	Effect of Sr-substitution on structure, dielectric relaxation and conduction phenomenon of BaTiO <sub>3</sub> perovskite material. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 11453-11466	2.1	3
330	Investigations of microstructural and impedance spectroscopic properties of Mg <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>1.6</sub> Al <sub>0.4</sub> O <sub>4</sub> ferrite prepared using sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 12521-12534	2.1	3
329	Landau mean-field analysis and estimation of the spontaneous magnetization from magnetic entropy change. <i>Chemical Physics Letters</i> , <b>2021</b> , 769, 138422	2.5	0
328	High-temperature dielectric behavior of hexagonal HoMnO <sub>3</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 152, 109960	3.9	0
327	Effect of Non-magnetic Ti <sup>4+</sup> Ion Doping at Mn-site on Magnetocaloric Properties and Critical Behavior in AMn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> (0 $\leq$ 0.2) Compounds. <i>Journal of Low Temperature Physics</i> , <b>2021</b> , 204, 64-84	1.3	0
326	Deciphering the Structural Characterization, Hirshfeld Surface Analysis, Raman Studies, and Temperature-Dependent Magnetodielectric Properties of BiMn <sub>2</sub> O <sub>5</sub> . <i>Magnetochemistry</i> , <b>2021</b> , 7, 68	3.1	
325	Synthesis, structural and magnetic behavior and theoretical approach to study the magnetic and magnetocaloric properties of the half-doped perovskite Nd <sub>0.5</sub> Ba <sub>0.5</sub> CoO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 15291-15306	2.1	1
324	Impact of particle size on the structural and smagnetic properties of superparamagnetic Li-ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 528, 167806	2.8	11
323	Impact of potassium substitution on structural, magnetic, magnetocaloric and magneto-transport properties of Nd <sub>0.6</sub> Sr <sub>0.4</sub> K <sub>x</sub> MnO <sub>3</sub> (0.0 (le) x (le) 0.2) manganite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18751-18764	2.1	2

322	Spinel Iron Oxide by the Co-Precipitation Method: Effect of the Reaction Atmosphere. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5433	2.6	2
321	Structural, dielectric and electrical properties of Sol-gel auto-combustion technic of CuFeCr <sub>0.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> ferrite. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 16044-16058	4.3	0
320	Investigation of Griffiths-like phase at low temperature in a new magnetocaloric compound, Al <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 148, 109605	3.9	0
319	Modeling of Magnetic and Magnetocaloric Properties by the Molecular Mean Field Theory in La <sub>0.6</sub> Sr <sub>0.4</sub> Mn <sub>0.9</sub> V <sub>0.1</sub> O <sub>3</sub> Oxide. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2021</b> , 34, 143-147	1.5	1
318	Mg-substitution effect on microstructure, dielectric relaxation and conduction phenomenon of Fe based perovskite nanomaterials. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 856, 157425	5.7	6
317	Theoretical and experimental studies of the magnetocaloric effect on lacunar compounds. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 866, 157541	5.7	0
316	Experimental study and DFT calculation of the oxygen deficiency effects on structural, magnetic and optical properties of La <sub>0.8-0.2x</sub> MnO <sub>3-x</sub> (x = 0, 0.1 and 0.2) compounds. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 860, 157922	5.7	7
315	The Impact of Disorder on the Disappearance of Metamagnetic Behavior and Enhancement of Temperature Coefficient of Resistivity for (La <sub>1-x</sub> Ndx) <sub>2/3</sub> (Ca <sub>1-y</sub> Sry) <sub>1/3</sub> MnO <sub>3</sub> Ceramics. <i>Journal of Low Temperature Physics</i> , <b>2021</b> , 202, 175-184	1.3	0
314	Assessment of the critical behavior in the multiferroic Bi <sub>0.8</sub> Ba <sub>0.1</sub> Er <sub>0.1</sub> Fe <sub>0.96</sub> Cr <sub>0.02</sub> Co <sub>0.02</sub> O <sub>3</sub> material, multi-substitution effect on magnetic and Mössbauer properties. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 524, 167640	2.8	0
313	Influence of neodymium substitution on structural, magnetic and spectroscopic properties of Ni-Zn-Al nano-ferrites.. <i>RSC Advances</i> , <b>2021</b> , 11, 13256-13268	3.7	7
312	Influence of film-thickness on the ozone detection of perovskite La <sub>0.8</sub> Pb <sub>0.1</sub> Ca <sub>0.1</sub> Fe <sub>1-x</sub> CoxO <sub>3</sub> based sensors. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11626-11635	3.6	1
311	Study of physical properties of a ferrimagnetic spinel CuMnO: spin dynamics, magnetocaloric effect and critical behavior.. <i>RSC Advances</i> , <b>2021</b> , 11, 25664-25676	3.7	1
310	Electrical conductivity and dielectric properties of Sr doped M-type barium hexaferrite BaFeO.. <i>RSC Advances</i> , <b>2021</b> , 11, 1531-1542	3.7	7
309	Large magnetocaloric entropy change in ferrimagnetic Er <sub>1-x</sub> Co <sub>2</sub> systems at cryogenic temperatures: the role of erbium deficiency. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	1
308	High electrical conductivity at room temperature of MnCo <sub>2</sub> O <sub>4</sub> cobaltite spinel prepared by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 1221-1232	2.1	3
307	Assessment of nanostructure, optical, dielectric and modulus response by Bi substitution in La <sub>1-x</sub> BixNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> (x = 0.0-0.2) system. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	1
306	Enhanced dielectric performance of Dy - substituted YMn <sub>2</sub> O <sub>5</sub> for high-frequency applications. <i>Progress in Natural Science: Materials International</i> , <b>2021</b> , 31, 762-762	3.6	0
305	Specific features of structural, magnetic, Raman and Mössbauer: Properties of La <sub>0.57</sub> Nd <sub>0.10</sub> Sr <sub>0.18</sub> Ag <sub>0.15</sub> FeO <sub>3</sub> ferrite nanoparticles. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1238, 130344	3.4	0

304	La <sub>0.8</sub> Pb <sub>0.1</sub> Ca <sub>0.1</sub> Fe <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> thin films as ozone-sensitive layers. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 23983-23998	2.1	
303	Study of ZnO room temperature NO <sub>2</sub> sensor under illumination prepared by auto-combustion. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	5
302	Effect of Bi substitution on nanostructural, morphologic, and electrical behavior of nanocrystalline La <sub>1-x</sub> Bi <sub>x</sub> Ni <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> (x = 0 and x = 0.2) for the electrical devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 270, 115191	3.1	4
301	Structural, dielectric relaxation and magnetic features of the (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>0.9</sub> Bi <sub>0.1</sub> Fe <sub>1-y</sub> Ti <sub>y</sub> O <sub>3</sub> (y = 0.0 and 0.1) nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 876, 160222	5.7	3
300	Unraveling the multi-featured magnetic behavior of Nd <sub>0.75</sub> Sr <sub>0.25</sub> CoO <sub>3</sub> perovskite nanocrystals annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 874, 159870	5.7	3
299	Structural, dielectric, electrical and modulus spectroscopic characteristics of CoFeCuO <sub>4</sub> spinel ferrite nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 272, 115331	3.1	6
298	Study of structural, magnetic, magnetocaloric properties and critical behavior of CoFeCuO <sub>4</sub> spinel ferrite. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 133, 108933	3.1	0
297	Structural, morphological and excellent gas sensing properties of La <sub>1-x</sub> Ba <sub>x</sub> Bi <sub>x</sub> FeO <sub>3</sub> (0.00 ≤ x ≤ 0.20) nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 883, 160856	5.7	2
296	Structural, magnetic and magnetocaloric properties of TMCeFeO <sub>4</sub> (TM = Mn, Co) spinel ferrites powders. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 539, 168416	2.8	1
295	Impact of synthesis route on structural, magnetic, magnetocaloric and critical behavior of NdSrMnO manganite. <i>RSC Advances</i> , <b>2021</b> , 11, 7238-7250	3.7	4
294	Magneto-Transport Properties of the Ag Doping Sr Site in La <sub>0.57</sub> Nd <sub>0.15</sub> Sr <sub>0.33-x</sub> Ag <sub>x</sub> MnO <sub>3</sub> (0.00 and 0.15) Manganites. <i>Journal of Low Temperature Physics</i> , <b>2020</b> , 200, 131-141	1.3	6
293	Assessment of structural, optical, magnetic, magnetocaloric properties and critical phenomena of La <sub>0.57</sub> Nd <sub>0.15</sub> Sr <sub>0.18</sub> Ag <sub>0.15</sub> MnO <sub>3</sub> system at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 11983-11996	2.1	1
292	Ozone detection based on nanostructured La <sub>0.8</sub> Pb <sub>0.1</sub> Ca <sub>0.1</sub> Fe <sub>0.8</sub> Co <sub>0.2</sub> O <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 829, 154596	5.7	2
291	Griffiths phase, magnetic memory and ac susceptibility of an antiferromagnetic titanate-based perovskite Er <sub>0.9</sub> Sr <sub>0.1</sub> Ti <sub>0.975</sub> Cr <sub>0.025</sub> O <sub>3</sub> system. <i>Physica Scripta</i> , <b>2020</b> , 95, 055807	2.6	1
290	Structural study and large magnetocaloric entropy change at room temperature of La <sub>1-x</sub> MnO <sub>3</sub> compounds. <i>RSC Advances</i> , <b>2020</b> , 10, 8352-8363	3.7	6
289	Unconventional critical behavior of the magnetic refrigerant system Er <sub>0.98</sub> Co <sub>0.02</sub> around its ferromagnetic-paramagnetic transition. <i>Physica Scripta</i> , <b>2020</b> , 95, 055811	2.6	
288	Mössbauer and magnetic studies of (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>1-x</sub> Bi <sub>x</sub> FeO <sub>3</sub> perovskites. <i>Hyperfine Interactions</i> , <b>2020</b> , 241, 1	0.8	4
287	Effect of synthesis route on structural, morphological, Raman, dielectric, and electric properties of La <sub>0.8</sub> Ba <sub>0.1</sub> Bi <sub>0.1</sub> FeO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 3197-3214	2.1	7

286	Theoretical Insights into the Stability of Perovskite Clusters by Studying Magnetization and Magnetocaloric Effect of Nd <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Compound at Room Temperature. <i>Journal of Low Temperature Physics</i> , <b>2020</b> , 200, 1-15	1.3	7
285	Effect of Bi-substitution into the A-site of multiferroic LaCaFeO on structural, electrical and dielectric properties.. <i>RSC Advances</i> , <b>2020</b> , 10, 16132-16146	3.7	13
284	Close look on the impact of treating dysprosium manganite with Ca/Sr in terms of transport properties. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 834, 155121	5.7	1
283	Improved conductivity and reduced dielectric loss of Cu- substituted NiFe <sub>2</sub> O <sub>4</sub> for high frequency applications. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 839, 155601	5.7	5
282	Correlation between structural, magnetic and gas sensor properties of La <sub>0.885</sub> Pb <sub>0.005</sub> Ca <sub>0.11</sub> Fe <sub>1-x</sub> CoxO <sub>2.95</sub> (0.00 ≤ x ≤ 0.15) compounds. <i>Materials Research Bulletin</i> , <b>2020</b> , 130, 110922	5.1	3
281	Effect of the annealing temperature and of Bi substitution on the structural and magnetic behaviors of double-doping (Bi/La, Ca) (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>1-x</sub> Bi <sub>x</sub> FeO <sub>3</sub> compounds. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9813-9821	3.6	5
280	Improvement of magnetocaloric properties around room temperature in (1-x) La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> /(x) La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> (0 ≤ x ≤ 1) composite system. <i>Phase Transitions</i> , <b>2020</b> , 93, 311-322	1.3	4
279	Modeling the Magnetocaloric Effect of La <sub>0.8</sub> MnO <sub>3</sub> by the Mean-Field Theory. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2020</b> , 33, 1143-1149	1.5	1
278	Phenomenological Modeling of Magnetocaloric Properties in 0.75La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> /0.25La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Nanocomposite Manganite. <i>Journal of Low Temperature Physics</i> , <b>2020</b> , 198, 135-144	1.3	6
277	Nano-sized magnetocaloric compounds investigation by using magnetization measurement and Monte Carlo simulation: Case of LSMO nanoparticles. <i>Materials Today Communications</i> , <b>2020</b> , 23, 100857	2.5	2
276	Critical behavior near the ferromagnetic-paramagnetic phase transition in La <sub>0.5</sub> Pr <sub>0.3</sub> Ba <sub>0.2</sub> Mn <sub>1-x</sub> TixO <sub>3</sub> (x = 0.0 and 0.1). <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
275	Structural, electric and dielectric properties of Ni <sub>0.5</sub> Zn <sub>0.5</sub> FeCoO <sub>4</sub> ferrite prepared by sol-gel. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 499, 166243	2.8	11
274	Structural characterization and ZFC/FC magnetization study of La <sub>0.6</sub> Ca <sub>0.4</sub> SrxMnO <sub>3</sub> nanoparticle compounds. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	6
273	Dielectric spectroscopy study of the Ni <sub>0.2</sub> Zn <sub>0.8</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrite as a function of frequency and temperature. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 262, 114683	3.1	4
272	High response to sub-ppm level of NO <sub>2</sub> with 50%RH of ZnO sensor obtained by an auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 14249-14260	2.1	11
271	Structural, elastic, optical and dielectric properties of Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> nanopowders with different particle sizes. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 4714-4730	4.6	8
270	Structural, optical and dielectric properties of CuMnO spinel nanoparticles.. <i>RSC Advances</i> , <b>2020</b> , 10, 42542-42556	3.7	10
269	Oxygen deficiency effect on the magnetocaloric and critical phenomena for La <sub>0.8</sub> ?0.2MnO <sub>3</sub> -□ (□ = 0, 0.1 and 0.2) compounds: significant enhancement of relative cooling power. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 22749-22767	2.1	1

268	Effect of annealing temperature on structural, morphological and dielectric properties of La <sub>0.8</sub> Ba <sub>0.1</sub> Ce <sub>0.1</sub> FeO <sub>3</sub> perovskite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 16220-16234	2.1	5
267	Enhancement of the Magnetotransport Behavior in a Phase-Separated LaAgCaMnO <sub>3</sub> Polycrystalline: Unraveling the Role of a Multi-Double-Exchange Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 23324-23332	3.8	4
266	Magnetic and spectroscopic properties of Ni-Zn-Al ferrite spinel: from the nanoscale to microscale.. <i>RSC Advances</i> , <b>2020</b> , 10, 34556-34580	3.7	56
265	Morphological and electrical properties of La <sub>0.8</sub> Ca <sub>0.1</sub> Pb <sub>0.1</sub> FeO <sub>3</sub> perovskite nanopowder for NH <sub>3</sub> and CO gas detection. <i>Journal of Electroceramics</i> , <b>2020</b> , 45, 39	1.5	2
264	Magnetoimpedance spectroscopy of phase-separated LaCaMnO polycrystalline manganites. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 11625-11636	3.6	4
263	Transport and magneto-transport properties in La <sub>0.8</sub> K <sub>0.2-<math>\lambda</math></sub> MnO <sub>3</sub> ( $\lambda = 0$ and 0.1) manganites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 17363-17373	2.1	2
262	Anomalous behavior above the Curie temperature in (Nd Gd) <sub><math>\lambda</math></sub> SrMnO ( $\lambda = 0, 0.1, 0.3$ and 0.5).. <i>RSC Advances</i> , <b>2019</b> , 9, 27541-27548	3.7	8
261	New perovskite compound La <sub>0.885</sub> Pb <sub>0.005</sub> Ca <sub>0.11</sub> FeO <sub>2.95</sub> for gas sensing application. <i>Chemical Physics Letters</i> , <b>2019</b> , 735, 136765	2.5	13
260	Structural and magnetic properties of La <sub>1-x</sub> MnO <sub>3</sub> ( $x = 0.1; 0.2$ and 0.3) manganites. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	9
259	Correlation between critical behavior and magnetocaloric effect for La <sub>0.8-x</sub> Na <sub>0.2-x</sub> MnO <sub>3</sub> ( $x=0$ and 0.1) compounds. <i>Solid State Communications</i> , <b>2019</b> , 292, 40-49	1.6	5
258	Evaluation of the relationship between the magnetism and the optical properties in SrTiO <sub>3</sub> - $\delta$ defective systems: Experimental and theoretical studies. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 478, 175-186	2.8	13
257	Impact of Titanium Doping on Structural, Magnetic, and Magnetocaloric Properties and Order of Transition in La <sub>0.5</sub> Pr <sub>0.3</sub> Ba <sub>0.2</sub> Mn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> ( $x = 0.0$ and 0.1) Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 3679-3690	1.5	4
256	High ethanol gas sensing property and modulation of magnetic and AC-conduction mechanism in 5% Mg-doped La <sub>0.8</sub> Ca <sub>0.1</sub> Pb <sub>0.1</sub> FeO <sub>3</sub> compound. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 12389-12398	2.1	5
255	Magnetic Entropy Change in La <sub>0.57</sub> Nd <sub>0.13</sub> Sr <sub>0.13</sub> Ag <sub>0.2</sub> MnO <sub>3</sub> by Means of Theoretical Models. <i>Journal of Low Temperature Physics</i> , <b>2019</b> , 196, 386-400	1.3	2
254	Controllable synthesis, XPS investigation and magnetic property of multiferroic BiMn <sub>2</sub> O <sub>5</sub> system: The role of neodyme doping. <i>Progress in Natural Science: Materials International</i> , <b>2019</b> , 29, 198-209	3.6	9
253	Phenomenological modeling of magnetic and magnetocaloric properties in rare earth doped La <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> . <i>Phase Transitions</i> , <b>2019</b> , 92, 411-418	1.3	2
252	Strontium-substituted La <sub>0.75</sub> Ba <sub>0.25-<math>\lambda</math></sub> Sr <sub><math>\lambda</math></sub> FeO <sub>3</sub> ( $\lambda = 0.05, 0.10$ and 0.15) perovskite: dielectric and electrical studies. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 8457-8470	2.1	10
251	Structural, magnetic and vibrational characterization of the new organic-inorganic hybrid material, (C <sub>9</sub> H <sub>14</sub> N) <sub>2</sub> CoCl <sub>4</sub> . <i>Journal of Molecular Structure</i> , <b>2019</b> , 1189, 175-180	3.4	11

250	Structural, magnetic and AC susceptibility properties of Dy <sub>0.5</sub> (Sr <sub>1-x</sub> Ca <sub>x</sub> ) <sub>0.5</sub> MnO <sub>3</sub> (0 ≤ x ≤ 0.3) manganites. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 844-851	3.4	12
249	Physical properties of double-doping Lanthanum manganite for bolometer applications. <i>Chemical Physics Letters</i> , <b>2019</b> , 731, 136609	2.5	6
248	Structural, magnetic, critical behavior and phenomenological investigation of magnetocaloric properties of La <sub>0.6</sub> Ca <sub>0.4</sub> Sr <sub>x</sub> MnO <sub>3</sub> perovskite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 14430-14444	2.1	6
247	Investigating the structural, morphological, dielectric and electric properties of the multiferroic (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>0.9</sub> Bi <sub>0.1</sub> FeO <sub>3</sub> material. <i>Chemical Physics Letters</i> , <b>2019</b> , 731, 136588	2.5	9
246	Magnetocaloric effect and critical behaviour of La <sub>0.5</sub> Ca <sub>0.2</sub> Ag <sub>0.3</sub> MnO <sub>3</sub> compound. <i>Chemical Physics Letters</i> , <b>2019</b> , 733, 136632	2.5	2
245	Prediction of magnetocaloric effect using a phenomenological model in (x) La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> /(1-x) La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> composites. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	4
244	Sintering temperature effects on some physical properties of a Dy <sub>0.5</sub> (Sr/Ca) <sub>0.5</sub> MnO <sub>3</sub> system. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	2
243	Investigation of annealing effects on the physical properties of NiZnFeAlO ferrite.. <i>RSC Advances</i> , <b>2019</b> , 9, 19949-19964	3.7	25
242	Microstructural, magnetic, electrical transport and large magnetoresistance properties of La <sub>0.57</sub> Nd <sub>0.1</sub> Sr <sub>0.13</sub> Ag <sub>0.2</sub> MnO <sub>3</sub> . <i>Journal of Electroceramics</i> , <b>2019</b> , 43, 73-83	1.5	1
241	Modeling of Magnetic, Magnetocaloric Properties and Dielectrical Characterization of (La <sub>0.75</sub> Nd <sub>0.25</sub> ) <sub>2/3</sub> (Ca <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>1/3</sub> MnO <sub>3</sub> Manganite Oxide. <i>Journal of Low Temperature Physics</i> , <b>2019</b> , 197, 471-484	1.3	2
240	Study of the effect of Mn substitution on the electrical and dielectric behavior of Spinel structured materials. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 21018-21031	2.1	6
239	Structural, Electrical and Dielectric of Fe-Doped CaMn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> (x = 0.0 and 0.20). <i>Journal of Low Temperature Physics</i> , <b>2019</b> , 195, 230-251	1.3	3
238	Modeling of magnetic and magnetocaloric properties by the molecular mean field theory in La <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> oxides with first and second magnetic phase transition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 480, 1-5	2.8	8
237	Modulation of magnetism and study of impedance and alternating current conductivity of Zn <sub>0.4</sub> Ni <sub>0.6</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrite. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1184, 298-304	3.4	12
236	Large magnetocaloric effect in manganese perovskite La Bi BaMnO near room temperature.. <i>RSC Advances</i> , <b>2019</b> , 9, 5530-5539	3.7	18
235	Conductivity and giant permittivity study of ZnNiFeO spinel ferrite as a function of frequency and temperature.. <i>RSC Advances</i> , <b>2019</b> , 9, 32395-32402	3.7	19
234	Investigation of the structural, optical, elastic and electrical properties of spinel LiZnFeO nanoparticles annealed at two distinct temperatures.. <i>RSC Advances</i> , <b>2019</b> , 9, 40940-40955	3.7	25
233	Structural, Morphological, Raman, and Mössbauer Studies on (La <sub>0.8</sub> Ca <sub>0.2</sub> ) <sub>1-x</sub> Bi <sub>x</sub> FeO <sub>3</sub> (x = 0.0, 0.1, and 0.2) Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 1571-1582	1.5	8

232	Investigation of structural, morphological, optical and electrical properties of double-doping Lanthanum ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3349-3358	2.1	11
231	Structural and magnetotransport properties of (La, Pr)-Ba manganites. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 783, 718-728	5.7	27
230	Oxygen-vacancy-related giant permittivity and ethanol sensing response in SrTiO <sub>3</sub> - ceramics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2019</b> , 108, 317-325	3	17
229	Appearance of Griffiths-Like Phase in a New Pyrochlore Compound La <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 2133-2139	1.5	1
228	Influence of Non-magnetic Ti <sup>4+</sup> Ion Doping at Mn Site on Structural, Magnetic, and Magnetocaloric Properties of La <sub>0.5</sub> Pr <sub>0.2</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> Manganites (x = 0.0 and 0.1). <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 1653-1662	1.5	0
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226	Study of the structural, electric and dielectric properties of Bi <sub>1-x</sub> Nd <sub>x</sub> Mn <sub>2</sub> O <sub>5</sub> (x=0, x=0.1 and x=0.2). <i>Journal of Molecular Structure</i> , <b>2019</b> , 1179, 1-10	3.4	15
225	Structural, morphological, Raman and ac electrical properties of the multiferroic sol-gel made Bi <sub>0.8</sub> Er <sub>0.1</sub> Ba <sub>0.1</sub> Fe <sub>0.96</sub> Cr <sub>0.02</sub> Co <sub>0.02</sub> O <sub>3</sub> material. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 304-315	5.7	17
224	Synthesis and characterization of (1-x)(La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> )/x(Sb <sub>2</sub> O <sub>3</sub> ) ceramic composites. <i>Phase Transitions</i> , <b>2019</b> , 92, 52-64	1.3	5
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222	Structure, Raman, dielectric behavior and electrical conduction mechanism of strontium titanate. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2018</b> , 99, 75-81	3	18
221	Electrical conductivity and dielectric behaviour of nanocrystalline LaGdSrMnSiO <sub>7</sub> . <i>RSC Advances</i> , <b>2018</b> , 8, 9103-9111	3.7	53
220	Structural, magnetic, and magnetocaloric properties of Ag-doped in the La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> compound. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 454, 190-195	2.8	13
219	Magnetocaloric study, critical behavior and spontaneous magnetization estimation in LaCaSrMnO perovskite. <i>RSC Advances</i> , <b>2018</b> , 8, 9430-9439	3.7	25
218	Effect of synthesis route on structural, magnetic and magnetocaloric aspects and critical behavior of La <sub>0.6</sub> Ca <sub>0.3</sub> Ag <sub>0.1</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 753, 282-291	5.7	21
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216	Effects of oxygen deficiency on the transport and dielectric properties of NdSrNbO. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 117, 1-12	3.9	25
215	Enhancement of Magnetocaloric Effect in ((La) <sub>0.67</sub> (Ca) <sub>0.33</sub> (MnO) <sub>3</sub> )/((La) <sub>0.7</sub> (Ba) <sub>0.3</sub> (MnO) <sub>3</sub> ) Composite. <i>Journal of Low Temperature Physics</i> , <b>2018</b> , 190, 315-327	1.3	4

214	Effect of annealing temperature on structural, morphology and dielectric properties of La <sub>0.75</sub> Ba <sub>0.25</sub> FeO <sub>3</sub> perovskite. <i>Superlattices and Microstructures</i> , <b>2018</b> , 117, 260-270	2.8	25
213	Synthesis and Magnetic Properties of New Pyrochlore Fe <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 3803-3808	1.5	2
212	Influence of Ag Substitution on Structural, Critical Behavior and Magnetocaloric Characteristics in La <sub>0.5</sub> Ca <sub>0.5-x</sub> Ag <sub>x</sub> MnO <sub>3</sub> (0 ≤ x ≤ 0.1) Systems. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 173-181	1.5	6
211	Effect of Small Fe Content on the Structure, Magnetic and Magnetocaloric Properties of SmNi <sub>3-x</sub> Fe <sub>x</sub> (x = 0; 0.3 and 0.8) Intermetallic Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2018</b> , 31, 511-520	1.5	2
210	Effect of Ball-Milling on Magnetic Properties of Uniaxial Nanocrystalline (hbox{SmNi}_2 hbox{Fe}) Compound. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 1658-1664	1.9	4
209	Influence of grain size and sintering temperature grain size on the critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 449, 207-213	2.8	10
208	Magnetocaloric properties of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> tunable by particle size and dimensionality. <i>Chemical Physics Letters</i> , <b>2018</b> , 691, 355-359	2.5	22
207	Structural and NH <sub>3</sub> gas-sensing properties of La <sub>0.8</sub> Ca <sub>0.1</sub> Pb <sub>0.1</sub> Fe <sub>1-x</sub> CoxO <sub>3</sub> (0.00 ≤ x ≤ 0.20) perovskite compounds. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 655-661	5.7	21
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205	Structural, magnetic and magnetocaloric properties of 0.75LaCaMnO/0.25LaSrMnO nanocomposite manganite.. <i>RSC Advances</i> , <b>2018</b> , 8, 28649-28659	3.7	13
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203	Estimation of the magnetic entropy change by means of Landau theory and phenomenological model in La <sub>0.6</sub> Ca <sub>0.2</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> /Sb <sub>2</sub> O <sub>3</sub> ceramic composites. <i>Phase Transitions</i> , <b>2018</b> , 91, 573-585	1.3	5
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201	Influence of insolubility of silver on the Hirshfeld surface analyses and magnetic behavior of La <sub>0.5</sub> Ca <sub>0.1</sub> Ag <sub>0.4</sub> MnO <sub>3</sub> compound. <i>Chemical Physics Letters</i> , <b>2018</b> , 691, 262-270	2.5	9
200	Physical properties of Ag/Ca doped Lanthanum manganite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20113-20121	2.1	9
199	Correlation between magnetic and electrical properties of La <sub>0.6</sub> Sr <sub>0.4</sub> Mn <sub>0.9</sub> V <sub>0.1</sub> O <sub>3</sub> based on critical behavior. <i>Phase Transitions</i> , <b>2018</b> , 91, 1246-1255	1.3	1
198	Magnetocaloric-Transport Properties Correlation in La <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> -Doped Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 3091-3095	1.5	4
197	Brilliant effect of Ca substitution in the appearance of magnetic memory in Dy <sub>0.5</sub> (Sr <sub>1-x</sub> Cax) <sub>0.5</sub> MnO <sub>3</sub> (x = 0.3) manganites. <i>Intermetallics</i> , <b>2017</b> , 89, 118-122	3.5	9

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191	Analytical model of front texturization effect on silicon solar cell with porous silicon at the backside. <i>Optical and Quantum Electronics</i> , <b>2017</b> , 49, 1	2.4	5
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189	Raman, EPR and ethanol sensing properties of oxygen-Vacancies SrTiO <sub>3</sub> -x compounds. <i>Applied Surface Science</i> , <b>2017</b> , 426, 386-390	6.7	34
188	Dielectric properties of niobium-based oxide. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 342-348	5.7	10
187	Structural properties, electrical behavior and estimation of the magnetocaloric effect in La <sub>0.6</sub> Sr <sub>0.4</sub> Mn <sub>0.9</sub> V <sub>0.1</sub> O <sub>3</sub> compound from resistivity and phenomenological model. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16274-16281	2.1	2
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183	A new modeling approach for amorphous silicon passivated front contact for thin silicon solar cells. <i>Optical and Quantum Electronics</i> , <b>2017</b> , 49, 1	2.4	
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181	Temperature and Excitation Power-Density Dependences of the Photoluminescence of BaZrO <sub>2.9</sub> Compound. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 709-712	1.9	
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177	Critical Behavior Near the Paramagnetic to Ferromagnetic Phase Transition in $(\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3)_x(\text{CuO})_{1-x}$ Ceramic Composites. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 187-195	1.5	3
176	Influence of crystallite size reduction on the magnetic and magnetocaloric properties of $\text{La}_{0.6}\text{Sr}_{0.35}\text{Ca}_{0.05}\text{CoO}_3$ nanoparticles. <i>Polyhedron</i> , <b>2017</b> , 121, 19-24	2.7	9
175	Prediction of magnetocaloric effect in $\text{La}_{0.6}\text{Ca}_{0.4}\text{Sr}_x\text{MnO}_3$ compounds for $x=0, 0.05$ and $0.4$ with phenomenological model. <i>Ceramics International</i> , <b>2016</b> , 42, 697-704	5.1	21
174	Magnetic anisotropy and superparamagnetism in $\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ , $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ and their mixed composition $0.875\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3/0.125\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ , agglomerated at different temperatures. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 182, 429-438	4.4	9
173	Analysis of external quantum efficiency and conversion efficiency of thin crystalline silicon solar cells with textured front surface. <i>Journal of Computational Electronics</i> , <b>2016</b> , 15, 1085-1094	1.8	3
172	Investigation of the Critical Magnetic Properties in $\text{La}_{0.6}\text{Sr}_{0.4}\text{Mn}_{0.9}\text{V}_{0.1}\text{O}_3$ Manganite Oxide. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 2559-2566	1.5	5
171	Study of electrical and dielectric properties of $\text{CaMn}_{0.6}\text{Fe}_{0.4}\text{O}_{2.8}$ perovskite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 10525-10531	2.1	5
170	Critical Behavior Near the Paramagnetic to Ferromagnetic Phase Transition Temperature in $\text{Sr}_{1.5}\text{Nd}_{0.5}\text{MnO}_4$ Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 869-877	1.5	15
169	Correlation between magnetic and electric properties of $\text{La}_{0.5}\text{Ca}_{0.3}\text{Ag}_{0.2}\text{MnO}_3$ based on critical behavior of resistivity. <i>Ceramics International</i> , <b>2016</b> , 42, 10405-10409	5.1	14
168	Reply to Electrical properties analysis of materials with ferroic order. <i>RSC Advances</i> , <b>2016</b> , 6, 21011-21014	1.7	1
167	Synthesis, Structure and Physical Properties of an Hybrid Compound Based on Strandberg Type Polyoxoanions and Copper Cations. <i>Journal of Cluster Science</i> , <b>2016</b> , 27, 1213-1227	3	8
166	Influence of Ga doping on the critical behavior of $\text{La}_{0.7}(\text{Ba},\text{Sr})_{0.3}\text{Mn}_{1-x}\text{Ga}_x\text{O}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 666, 425-431	5.7	10
165	Magnetic, Magnetocaloric and Master Curve Behaviors for $\text{La}_{0.6}\text{Sr}_{0.4}\text{Mn}_{0.9}\text{V}_{0.1}\text{O}_3$ Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 753-758	1.5	8
164	Double metal-insulator transitions and magnetoresistance properties in $\text{La}_{0.8}\text{Na}_{0.2}\text{Mn}_x\text{O}_3$ oxides. <i>Ceramics International</i> , <b>2016</b> , 42, 5699-5706	5.1	6
163	Size-induced Griffiths phase-like in ferromagnetic metallic $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 403, 181-187	2.8	22
162	Effect of Ga substitution on magnetocaloric effect in $\text{La}_{0.7}(\text{Ba},\text{Sr})_{0.3}\text{Mn}_{1-x}\text{Ga}_x\text{O}_3$ ( $0.0 \leq x \leq 0.20$ ) polycrystalline at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 399, 143-148	2.8	21
161	Effect of the annealing temperature on the structural and magnetic behaviors of $0.875\text{La}_{0.6}\text{Ca}_{0.4}\text{MnO}_3/0.125\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ composition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 401, 56-62	2.8	10

160	Impact of CuO phase on magnetocaloric and magnetotransport properties of La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> ceramic composites. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 678, 427-433	5-7	20
159	Role of gallium ion on the conducting properties of La <sub>0.7</sub> (Ba, Sr) <sub>0.3</sub> Mn <sub>1-x</sub> Ga <sub>x</sub> O <sub>3</sub> (x=0.0, 0.1 and 0.2) perovskite. <i>Ceramics International</i> , <b>2016</b> , 42, 11256-11258	5-1	11
158	Magnetocaloric effect and its correlation with critical behavior in La <sub>0.5</sub> Ca <sub>0.4</sub> Te <sub>0.1</sub> MnO <sub>3</sub> manganese oxide. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 680, 169-176	5-7	9
157	Effect of the oxygen deficiencies creation on the suppression of the diamagnetic behavior of SrTiO <sub>3</sub> compound. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 680, 560-564	5-7	17
156	Magnetic and Electrical Properties Induced by the Substitution of Divalent by Monovalent in the La <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> Compound. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 3001-3007	1-5	3
155	Size reduction effect on the critical behavior near the paramagnetic to ferromagnetic phase transition temperature in La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> nanoparticles. <i>Solid State Communications</i> , <b>2015</b> , 208, 45-52	1-6	23
154	Dielectric properties and alternating current conductivity of sol-gel made La <sub>0.8</sub> Ca <sub>0.2</sub> FeO <sub>3</sub> compound. <i>Chemical Physics Letters</i> , <b>2015</b> , 637, 7-12	2-5	26
153	Shine blue and blue-green photoluminescence in BaZrO <sub>3</sub> powders: An Ab-initio analysis of structural deformation. <i>Chemical Physics Letters</i> , <b>2015</b> , 635, 228-233	2-5	8
152	Structure, volumetric adsorption method and electrochemical hydrogen storage properties of vanadium oxide nanotubes VO <sub>x</sub> -NTs. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 244-252	5-7	15
151	Effect of the oxygen deficiency on the physical properties of La <sub>0.8</sub> Na <sub>0.2</sub> MnO <sub>3</sub> oxides (x=0 and 0.05). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 394, 207-211	2-8	8
150	A giant magnetocaloric effect with a tunable temperature transition close to room temperature in Na-deficient La <sub>0.8</sub> Na <sub>0.2-x</sub> MnO <sub>3</sub> manganites. <i>Dalton Transactions</i> , <b>2015</b> , 44, 12796-803	4-3	43
149	Magnetocaloric effect and critical parameters near the ferromagnetic-paramagnetic phase transition in AMn <sub>0.825</sub> Ga <sub>0.175</sub> O <sub>3</sub> compound. <i>Phase Transitions</i> , <b>2015</b> , 88, 1098-1110	1-3	1
148	Conduction mechanism, impedance spectroscopic investigation and dielectric behavior of La <sub>0.5</sub> Ca <sub>0.5-x</sub> Ag <sub>x</sub> MnO <sub>3</sub> manganites with compositions below the concentration limit of silver solubility in perovskites (0 ≤ x ≤ 0.2). <i>Dalton Transactions</i> , <b>2015</b> , 44, 10457-66	4-3	122
147	Shine red and yellow photoluminescence in GdAlO <sub>3</sub> powders. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 640, 501-503	5-7	4
146	Structural characterization, magnetic, magnetocaloric properties and phenomenological model in manganite La <sub>0.75</sub> Sr <sub>0.1</sub> Ca <sub>0.15</sub> MnO <sub>3</sub> compound. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 221-227	5-7	65
145	Theoretical investigation of the magnetocaloric effect on La <sub>0.7</sub> (Ba, Sr) <sub>0.3</sub> Mn <sub>0.9</sub> Ga <sub>0.1</sub> O <sub>3</sub> compound at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 386, 81-84	2-8	29
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142	Study of critical behavior of perovskite $\text{La}_{0.8}\text{Ca}_{0.2-x}\text{PbxFeO}_3$ ( $x=0.0, 0.1$ and $0.2$ ) compounds. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 305-312	5-7	10
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140	Magnetic and magnetoresistance in half-doped manganite $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ and $\text{La}_{0.5}\text{Ca}_{0.4}\text{Ag}_{0.1}\text{MnO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 632-637	5-7	22
139	Physical properties and ethanol sensing of perovskite $\text{La}_{0.8}\text{Pb}_{0.2}\text{Fe}_{1-x}\text{Mg}_x\text{O}_3$ compounds. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 644, 304-307	5-7	8
138	Structural and electrical properties of $\text{Zn}_{1-x}\text{Ni}_x\text{Fe}_2\text{O}_4$ ferrite. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 466-467, 31-37	2-8	21
137	Effect of Ni-doping on critical behavior of $\text{La}_{0.6}\text{Pr}_{0.1}\text{Ba}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ nanocrystalline manganites. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 477, 105-112	2-8	8
136	Synthesis, Crystal Structure, Vibrational and Magnetic Properties of a New Organic/Inorganic Hybrid Material: 2-Amonium-methyl-1-Ethylpyrrolidinium Tetrachlorocuprate (II). <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 2907-2917	1-5	2
135	A-site-deficiency effect on critical behavior in the $\text{Pr}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ compound. <i>Dalton Transactions</i> , <b>2015</b> , 44, 17712-9	4-3	9
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133	Sodium deficiency effect on the transport properties of $\text{La}_{0.8}\text{Na}_{0.2-x}\text{MnO}_3$ manganites. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 478, 108-112	2-8	12
132	Influence of disorder on the appearance of Griffiths phases in $\text{La}_{0.8-x}\text{Ca}_{0.2}\text{MnO}_3$ ( $x=0.15$ and $0.2$ ) compounds. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 457, 314-319	2-8	6
131	Transport properties of silver/calcium doped lanthanum manganite. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 457, 240-244	2-8	18
130	Magnetic, Raman and Mössbauer properties of double-doping $\text{LaFeO}_3$ perovskite oxides. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 149-150, 467-472	4-4	27
129	Effect of particle size reduction on the structural, magnetic properties and the spin excitations in ferromagnetic insulator $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$ nanoparticles. <i>Ceramics International</i> , <b>2015</b> , 41, 2955-2962	5-1	45
128	Electric/dielectric properties and complex impedance analysis of $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Ag}_x\text{MnO}_3$ manganites. <i>RSC Advances</i> , <b>2015</b> , 5, 2177-2184	3-7	47
127	Influence of Pr-doping on magnetic phase transition and magnetocaloric effect of $\text{La}_{0.7-x}\text{Pr}_x\text{Ba}_{0.3}\text{MnO}_3$ manganite. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 149-150, 728-733	4-4	18
126	Structural, magnetic and magnetocaloric properties of $\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ compounds with $x = 0, 0.05$ and $0.1$ . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 618, 488-496	5-7	46
125	Critical behavior near the ferromagnetic to paramagnetic phase transition temperature in polycrystalline $\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ ( $x= 0.15$ and $0.2$ ). <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 618, 788-794	5-7	18

124	Effect of Cr substitution on magnetic and magnetic entropy change of $\text{La}_{0.65}\text{Eu}_{0.05}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ (0.05 $\leq$ x $\leq$ 0.15) rhombohedral nanocrystalline near room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 375, 136-142	2.8	16
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122	Critical behavior near the ferromagnetic-paramagnetic phase transition in $\text{La}_{0.65}\text{Eu}_{0.05}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ (x=0.10 and x=0.15). <i>Physica B: Condensed Matter</i> , <b>2015</b> , 456, 93-99	2.8	9
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118	Magnetocaloric Effect and Critical Behavior Around the Phase Transition Temperature in $\text{La}_{0.6}\text{Sr}_{0.3}\text{Ca}_{0.1}\text{Mn}_{0.975}\text{Fe}_{0.025}\text{O}_3$ Manganite. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2015</b> , 28, 1217-1225	1.5	2
117	Electrical transport and giant magnetoresistance in $\text{La}_{0.75}\text{Sr}_{0.25}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ (0.15, 0.20 and 0.25) manganite oxide. <i>Dalton Transactions</i> , <b>2015</b> , 44, 5620-7	4.3	47
116	Critical behavior near the paramagnetic to ferromagnetic phase transition temperature in $\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ compounds (0. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 631, 350-354	5.7	4
115	ELECTRICAL CONDUCTION AND DIELECTRIC PROPERTIES OF THE LACUNAR $\text{Ca}_{2-x}\text{MnO}_{4-\delta}$ SYSTEM <b>2015</b> , 13, 129-146		3
114	Electrical transport and giant magnetoresistance in $\text{La}_{0.8-x}\text{Ca}_{0.2}\text{MnO}_3$ (x=0, 0.1 and 0.2) oxides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 363, 217-223	2.8	26
113	Critical parameters near the ferromagnetic-paramagnetic phase transition in $\text{La}_{0.5}\text{Ca}_{0.5-x}\text{Ag}_x\text{MnO}_3$ compounds (0.1 $\leq$ x $\leq$ 0.2). <i>Ceramics International</i> , <b>2014</b> , 40, 8945-8951	5.1	39
112	Influence of Pr-doped manganite on critical behavior of $\text{La}_{0.7-x}\text{Pr}_x\text{Ba}_{0.3}\text{MnO}_3$ (x=0.00, 0.1, 0.2). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 349, 149-155	2.8	25
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104	Magnetic, magnetocaloric, magnetotransport and magnetoresistance properties of calcium deficient manganites $\text{La}_{0.8}\text{Ca}_{0.2}\text{MnO}_3$ post-annealed at 800°C. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 771-777	5.7	60
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100	Blue-green photoluminescence in $\text{BaZrO}_3$ powders. <i>Chemical Physics Letters</i> , <b>2014</b> , 610-611, 341-344	2.5	14
99	Effect of Ni-doping on structural, magnetic and magnetocaloric properties of $\text{La}_{0.6}\text{Pr}_{0.1}\text{Ba}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ nanocrystalline manganites synthesized by Pechini sol-gel method. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, 553-560	5.7	65
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94	Structural, electrical and ethanol sensing properties of double-doping $\text{LaFeO}_3$ perovskite oxides. <i>Ceramics International</i> , <b>2014</b> , 40, 14367-14373	5.1	62
93	Structural and magneto-transport properties of $(\text{La}_{0.6}\text{Ca}_{0.2}\text{Sr}_{0.2}\text{MnO}_3)_{1-x}(\text{Sb}_2\text{O}_3/\text{CuO})_x$ composites. <i>Ceramics International</i> , <b>2014</b> , 40, 2023-2028	5.1	7
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84	Magnetocaloric effect in the vicinity of second order antiferromagnetic transition of $\text{Er}_2\text{Mn}_2\text{O}_7$ compound at different applied magnetic field. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 563, 28-32	5.7	16
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82	Magnetic and specific heat studies of the frustrated $\text{Er}_2\text{Mn}_2\text{O}_7$ compound. <i>Journal of Rare Earths</i> , <b>2013</b> , 31, 54-59	3.7	6
81	Size confinement and magnetization improvement by $\text{La}^{3+}$ doping in $\text{BiFeO}_3$ quantum dots. <i>Solid State Sciences</i> , <b>2013</b> , 20, 23-28	3.4	35
80	Critical behavior in Sr-doped manganites $\text{La}_{0.6}\text{Ca}_{0.4-x}\text{Sr}_x\text{MnO}_3$ . <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 546, 84-91	5.7	60
79	Dielectric relaxation of the $\text{Ca}_2\text{MnO}_4$ system. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 577, S483-S487	5.7	8
78	Dielectric spectroscopy of $\text{Ca}_2\text{MnO}_4$ -ceramics using equivalent circuit analysis. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2013</b> , 10, 631-635		4
77	Study of the Magneto-Resistivity and Dependence of Percolation in $\text{La}_{0.75}\text{Ca}_{0.15}\text{Sr}_{0.1}\text{Mn}_{1-x}\text{Ga}_x\text{O}_3$ Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2013</b> , 26, 3099-3104	1.5	2
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75	Structure, magnetic and electrical transport properties of the perovskites $\text{La}_{0.67-x}\text{Eu}_x\text{Sr}_{0.33}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 326, 129-137	2.8	22
74	Appearance of Griffiths phase in oxygen deficient $\text{La}_{0.4}\text{Ca}_{0.6}\text{MnO}_{3-x}$ oxides. <i>Materials Letters</i> , <b>2012</b> , 84, 48-51	3.3	23
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72	Critical behavior in Co-doped manganites $\text{La}_{0.67}\text{Pb}_{0.33}\text{Mn}_{1-x}\text{CoxO}_3$ ( $0 \leq x \leq 0.08$ ). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 806-811	2.8	20
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70	Influence of Ca-deficiency on the magneto-transport properties in La <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> perovskite and estimation of magnetic entropy change. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 103909-103906	2.5	46
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65	Electrical conductivity and dielectric analysis of La <sub>0.75</sub> (Ca,Sr) <sub>0.25</sub> Mn <sub>0.85</sub> Ga <sub>0.15</sub> O <sub>3</sub> perovskite compound. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, 173-178	5.7	61
64	Effect of Ti-substitution on magnetic and magnetocaloric properties of La <sub>0.57</sub> Nd <sub>0.1</sub> Pb <sub>0.33</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 530, 1-5	5.7	28
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53	Structural, magnetic and magnetocaloric properties of the lanthanum deficient in La <sub>0.8</sub> Ca <sub>0.2-x</sub> ? <sub>x</sub> MnO <sub>3</sub> (x=0-0.20) manganites oxides. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 7410-7415	5.7	84

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33	The infrared absorption and dielectric properties of Li <sub>1-x</sub> Ca ferrite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 470, 294-300	5-7	81
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