

# RM'nassri

## List of Publications by Year in descending order

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70  
papers

1,974  
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185998

28  
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276539

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70  
docs citations

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times ranked

608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field dependence of electrocaloric performances in KTa <sub>0.57</sub> Nb <sub>0.43</sub> O <sub>3</sub> single crystal. Journal of Materials Science: Materials in Electronics, 2022, 33, 10939-10954.	1.1	2
2	Critical behaviour and renormalization of magnetic entropy change in La <sub>0.65</sub> Nd <sub>0.05</sub> Ba <sub>0.3</sub> Mn <sub>1-x</sub> Cr <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.15) ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 6094-6109.	1.1	3
3	Transport properties and dielectric response of Pr <sub>0.8</sub> Na <sub>0.2-x</sub> K <sub>x</sub> MnO <sub>3</sub> (x = 0, 0.05, 0.1, 0.15 and 0.2) ceramics synthesized by sol-gel method. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	5
4	Thermomagnetic properties and critical behaviour studies in the ferromagnetic-paramagnetic phase transition in Pr <sub>0.6</sub> Sr <sub>0.35</sub> Ag <sub>0.05</sub> MnO <sub>3</sub> and Pr <sub>0.6</sub> Sr <sub>0.3</sub> Ag <sub>0.1</sub> MnO <sub>3</sub> ceramics. Chemical Physics, 2021, 547, 111205.	0.9	3
5	Double Jonscher response and contribution of multiple mechanisms in electrical conductivity processes of Fe-PrCaMnO ceramic. Ceramics International, 2020, 46, 1601-1608.	2.3	38
6	Structural, Magnetocaloric, and Critical Behavior of La <sub>0.5</sub> Ca <sub>0.5</sub> Mn <sub>1-x</sub> V <sub>x</sub> O <sub>3</sub> Manganites Prepared by High-Energy Ball Milling. Journal of Superconductivity and Novel Magnetism, 2020, 33, 995-1005.	0.8	4
7	Enhancement of the magnetic and magnetocaloric properties by Na substitution for Ca of La <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> manganite prepared via the Pechini-type sol-gel process. Journal of Materials Science: Materials in Electronics, 2020, 31, 1634-1645.	1.1	31
8	Influence of Fe doping on physical properties of charge ordered praseodymium-calcium manganite material. European Physical Journal Plus, 2020, 135, 1.	1.2	24
9	Magnetic properties and impedance spectroscopic analysis in Pr <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>0.95</sub> Fe <sub>0.05</sub> O <sub>3</sub> perovskite ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 21046-21058.	1.1	21
10	Possibility of controlling the conduction mechanism by choosing a specific doping element in a praseodymium manganite system. RSC Advances, 2020, 10, 33868-33878.	1.7	14
11	Structure, magnetic and field dependence of magnetocaloric properties of Pr <sub>0.5</sub> RE <sub>0.1</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> (RE = AEu and Er). Journal of Magnetism and Magnetic Materials, 2020, 514, 167158.	1.0	31
12	Magnetic and magnetocaloric properties of La <sub>0.55</sub> Bi <sub>0.05</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> and their implementation in critical behaviour study and spontaneous magnetization estimation. RSC Advances, 2019, 9, 25064-25074.	1.7	10
13	Impact of synthesis routes on normal and inverse magnetocaloric effects and critical behaviour in the charge-ordered Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> manganite. European Physical Journal Plus, 2019, 134, 1.	1.2	13
14	Magnetic entropy table-like shape and enhancement of refrigerant capacity in La <sub>1.4</sub> Ca <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> La <sub>1.3</sub> Eu <sub>0.1</sub> Ca <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> composite. RSC Advances, 2019, 9, 14916-14927.	1.6	1
15	Structural, optical and electrical studies on Mn substituted La <sub>0.6</sub> Ca <sub>0.4</sub> FeO <sub>3</sub> . Journal of Alloys and Compounds, 2019, 791, 822-832.	2.8	11
16	Tuning magnetic and magnetocaloric properties around room temperature via chromium substitution in La <sub>0.65</sub> Nd <sub>0.05</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> system. Journal of Magnetism and Magnetic Materials, 2019, 481, 29-38.	1.0	28
17	Structural, magnetic, electrical and dielectric properties of Pr <sub>0.8</sub> Na <sub>0.2</sub> MnO <sub>3</sub> manganite. RSC Advances, 2019, 9, 35599-35607.	1.7	10
18	Critical behaviour and field dependence of magnetic entropy change in K-doped manganites Pr <sub>0.8</sub> Na <sub>0.2-x</sub> K <sub>x</sub> MnO <sub>3</sub> (x = 0.10 and 0.15). Journal of Solid State Chemistry, 2018, 257, 9-18.	1.4	26

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19	Ytterbium doping effects on structural, optical and electrical properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> system. <i>Ceramics International</i> , 2018, 44, 21893-21901.	2.3	17
20	Analysis based on scaling relations of critical behaviour at PM $\leftrightarrow$ FM phase transition and universal curve of magnetocaloric effect in selected Ag-doped manganites. <i>RSC Advances</i> , 2018, 8, 18294-18307.	1.7	7
21	Vanadium-doping effects on magnetic and magnetocaloric efficiency of La <sub>0.7</sub> Sr <sub>0.2</sub> (CaLi) <sub>0.05</sub> Mn <sub>1-x</sub> V <sub>x</sub> O <sub>3</sub> [x $\in$ 0.00 and x $\in$ 0.05] manganites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14239-14247.		4
22	Critical properties and field dependence of the magnetic entropy change in Pr <sub>0.8</sub> K <sub>0.2</sub> MnO <sub>3</sub> ceramic: A comparison between solid-solid state and sol-gel process. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 7-16.	1.0	9
23	Effect of A-site deficiency on investigation of structural, magnetic and magnetocaloric behaviors for (LaSr)-lacunar manganites. <i>Chemical Physics Letters</i> , 2018, 707, 61-70.	1.2	21
24	Screening of the synthesis route on the structural, magnetic and magnetocaloric properties of La <sub>0.6</sub> Ca <sub>0.2</sub> Ba <sub>0.2</sub> MnO <sub>3</sub> manganite: A comparison between solid-solid state process and a combination polyol process and Spark Plasma Sintering. <i>Journal of Alloys and Compounds</i> , 2017, 712, 451-459.	2.8	22
25	Structural characterization and magnetic field dependence of the magnetocaloric properties in Pr <sub>0.8</sub> Na <sub>0.05</sub> K <sub>0.15</sub> MnO <sub>3</sub> ceramic. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 148-155.	1.0	12
26	Effect of erbium concentration on the structural, optical and electrical properties of a Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> system. <i>RSC Advances</i> , 2017, 7, 22578-22586.	1.7	25
27	Table-like magnetocaloric effect involving the enhancement of refrigerant capacity in (AMn <sub>0.9</sub> Ti <sub>0.1</sub> O <sub>3</sub> ) <sub>1-x</sub> (AMn <sub>0.85</sub> Ti <sub>0.15</sub> O <sub>3</sub> ) <sub>x</sub> composite. <i>Phase Transitions</i> , 2017, 90, 687-694.		
28	Field dependence of magnetocaloric properties of 20% Cr-doped Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> perovskite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 53-64.	2.0	36
29	Sodium $\delta$ Deficiency effects on the structural, magnetic and magnetocaloric properties of La <sub>0.8</sub> Na <sub>0.2-<math>\delta</math></sub> MnO <sub>3</sub> (0 $\delta$ $\leq$ 0.15). <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 433, 239-247.	1.0	14
30	Role of lanthanum vacancy on the structural, magnetic and magnetocaloric properties in the lacunar perovskite manganites La <sub>0.8-x</sub> La <sub>1-x</sub> Na <sub>0.2</sub> MnO <sub>3</sub> (0 $\delta$ $\leq$ 0.15). <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15500-15511.	1.7	17
31	Structural characterization, magnetic, magnetocaloric properties and critical behavior in lacunar La <sub>0.5</sub> Eu <sub>0.2</sub> Ba <sub>0.2-<math>\delta</math></sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 727, 1203-1212.	2.8	21
32	Studies on the structure, critical behavior and magnetocaloric effect in (LaBi)SrCoO cobaltite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15500-15511.	1.1	6
33	Effects of synthesis route on the structural, magnetic and magnetocaloric properties of Pr <sub>0.8</sub> K <sub>0.2</sub> MnO <sub>3</sub> . <i>Ceramics International</i> , 2017, 43, 1853-1861.	2.3	42
34	Electrical conductivity analysis and magnetic properties of Pr <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub> oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1901-1908.	1.1	12
35	Investigation of magnetic and transport properties of PrCa(MnCo)O prepared by solid state process. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 423, 20-26.	1.0	29
36	Composition dependence of physical properties in Pr <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 693, 631-641.	2.8	28

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37	Critical behavior and magnetocaloric study in $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ cobaltite prepared by a sol-gel process. RSC Advances, 2016, 6, 50968-50977.	1.7	49
38	Effect of trivalent rare earth doping on magnetic and magnetocaloric properties of $\text{Pr}_{0.5}(\text{Ce},\text{Eu},\text{Y})_{0.1}\text{Sr}_{0.4}\text{MnO}_3$ manganites. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	28
39	Magnetocaloric effect and its implementation in critical behaviour study of $\text{La}_{0.67}\text{Ca}_{0.33}\text{Mn}_{0.9}\text{Fe}_{0.1}\text{O}_3$ . Bulletin of Materials Science, 2016, 39, 551-557.	0.8	18
40	Magnetocaloric study and estimation of the spontaneous magnetization by a magnetic entropy analysis in $\text{Pr}_{0.6}\text{Ca}_{0.1}\text{Sr}_{0.3}\text{Mn}_{0.975}\text{Fe}_{0.025}\text{O}_3$ . Journal of Alloys and Compounds, 2016, 680, 381-387.	2.8	24
41	Searching the conditions for a table-like shape of the magnetic entropy in the magnetocaloric $\text{LBMO}_{2.98}/\text{LBMO}_{2.95}$ composite. European Physical Journal Plus, 2016, 131, 1.	1.2	24
42	Nearly constant magnetic entropy change involving the enhancement of refrigerant capacity in $(\text{La}_{0.6}\text{Tj}_{0.2}\text{ETQq}_{0.0}\text{rgBT})_{0.0}$ / Overlock 10	2.3	43
43	Effect of small quantity of chromium on the electrical, magnetic and magnetocaloric properties of $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.98}\text{Cr}_{0.02}\text{O}_3$ manganite. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	11
44	Enhanced Refrigerant Capacity and Magnetic Entropy Nearly Flattening in $(\text{La}_{2/3}\text{Ba}_{1/3}\text{MnO}_3)_{1-x}/(\text{La}_{2/3}\text{Ba}_{1/3}\text{MnO}_{2.98})_x$ Composite. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1879-1885.	0.8	5
45	Study of physical properties of cobalt substituted $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ ceramics. Ceramics International, 2016, 42, 6145-6153.	2.3	30
46	Enhancement of Refrigeration Capacity and Table-Like Magnetocaloric Effect in $\text{La}_{0.6}\text{Pr}_{0.4}\text{Fe}_{0.7}\text{Co}_{0.8}\text{Si}_{1.5}/\text{La}_{0.6}\text{Pr}_{0.4}\text{Fe}_{0.7}\text{Co}_{0.8}\text{Si}_{1.5}$ Composite. Journal of Superconductivity and Novel Magnetism, 2016, 29, 207-213.	0.8	25
47	Physical properties of 20% Cr-doped $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ perovskite. Ceramics International, 2015, 41, 11221-11227.	2.3	18
48	Critical behavior and the universal curve for magnetocaloric effect in $\text{Pr}_{0.6}\text{Ca}_{0.1}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ( $x=$ ) Tj ETQq 0.0 rgBT / Overlock 10	2.8	26
49	The effect of Co doping on the magnetic and magnetocaloric properties of $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ manganites. Ceramics International, 2015, 41, 7723-7728.	2.3	56
50	Effect of chromium concentration on the structural, magnetic and electrical properties of praseodymium-calcium manganite. Journal of Alloys and Compounds, 2015, 650, 268-276.	2.8	41
51	Influence of transition metal doping (Fe, Co, Ni and Cr) on magnetic and magnetocaloric properties of $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ manganites. Ceramics International, 2015, 41, 10177-10184.	2.3	78
52	Electrical Conduction and Percolation Model in $\text{Pr}_{0.6}\text{Ca}_{0.1}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ( $x = 0, 0.05, \text{ and } 0.075$ ) Manganites. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1905-1911.	0.8	9
53	3D-Ising ferromagnetic characteristics and magnetocaloric study in $\text{Pr}_{0.4}\text{Eu}_{0.2}\text{Sr}_{0.4}\text{MnO}_3$ manganite. Journal of Alloys and Compounds, 2015, 640, 183-192.	2.8	89
54	Structural, magnetic and magnetocaloric properties of $\text{La}_{0.8}\text{Ca}_{0.2-x}\text{Na}_x\text{MnO}_3$ manganites ( $0 \leq x \leq 0.2$ ). Journal of Solid State Chemistry, 2015, 225, 83-88.	1.4	60

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55	Impact of sintering temperature on the magnetic and magnetocaloric properties in Pr <sub>0.5</sub> Eu <sub>0.1</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> manganites. Journal of Alloys and Compounds, 2015, 626, 20-28.	2.8	102
56	Effects of partial Mn-substitution on magnetic and magnetocaloric properties in Pr <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>0.95</sub> X <sub>0.05</sub> O <sub>3</sub> (Cr, Ni, Co and Fe) manganites. Journal of Alloys and Compounds, 2015, 619, 627-633.	2.8	102
57	Magnetocaloric effect near room temperature in (1-x)La <sub>0.8</sub> Ca <sub>0.05</sub> K <sub>0.15</sub> MnO <sub>3</sub> composites. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 975-979.	0.8	51
58	Magnetocaloric Effect in Different Impurity Doped La <sub>0.67</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> Composite. Journal of Superconductivity and Novel Magnetism, 2014, 27, 421-425.	0.8	51
59	Field Dependence of Magnetocaloric Properties in La <sub>0.6</sub> Pr <sub>0.4</sub> Fe <sub>10.7</sub> Co <sub>0.8</sub> Si <sub>1.5</sub> . Journal of Superconductivity and Novel Magnetism, 2014, 27, 1787-1794.	0.8	33
60	Effect of iron substitution on the structural, magnetic and magnetocaloric properties of Pr <sub>0.6</sub> Ca <sub>0.1</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.075) manganites. Journal of Alloys and Compounds, 2014, 608, 191-196.	2.8	71
61	Evolution of Magnetocaloric Behavior in Oxygen Deficient La <sub>2/3</sub> Ba <sub>1/3</sub> MnO <sub>3-δ</sub> Manganites. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1463-1468.	0.8	51
62	Magnetocaloric Effect in LaFe <sub>10.7</sub> Co <sub>0.8</sub> Si <sub>1.5</sub> Compound Near Room Temperature. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1059-1064.	0.8	30
63	Magnetocaloric properties in ordered double-perovskite Ba <sub>2</sub> Fe <sub>1-x</sub> Cr <sub>x</sub> MoO <sub>6</sub> (0 ≤ x ≤ 1). Journal of the Korean Physical Society, 2014, 64, 879-885.	0.3	38
64	Magnetocaloric Effects in Pr <sub>0.6-x</sub> Er <sub>x</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> (0.0 ≤ x ≤ 0.2) Manganese Oxides. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1429-1435.	0.8	33
65	Effect of barium-deficiency on the structural, magnetic, and magnetocaloric properties of La <sub>0.6</sub> Sr <sub>0.2</sub> Ba <sub>0.2-x</sub> MnO <sub>3</sub> (0 ≤ x ≤ 0.15). Journal of Applied Physics, 2013, 113, .	1.1	59
66	Effect of strontium substitution on the physical properties of Nd <sub>0.5</sub> Ca <sub>0.5-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.0 ≤ x ≤ 0.5) manganites. IOP Conference Series: Materials Science and Engineering, 2012, 28, 012050.	0.3	17
67	Structural, magnetic and magnetocaloric properties of Pr <sub>0.6-x</sub> Er <sub>x</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> (x = 0.0, 0.1 and 0.2). EPJ Web of Conferences, 2012, 29, 00051.	0.1	2
68	Magnetocaloric properties of Nd <sub>0.5</sub> Ca <sub>0.5-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (0.0 ≤ x ≤ 0.5) manganites. IOP Conference Series: Materials Science and Engineering, 2012, 28, 012051.	0.3	0
69	Magnetic and magnetocaloric properties of Pr <sub>0.6-x</sub> Eu <sub>x</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> manganese oxides. Solid State Communications, 2011, 151, 1579-1582.	0.9	51
70	Effect of Sr substitution for Ca on the physical properties in the Nd <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> system. Journal of Physics: Conference Series, 2010, 200, 012019.	0.3	2