

Rahmouni Hedi

List of Publications by Year in descending order

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papers

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257450

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docs citations

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times ranked

723
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#	ARTICLE	IF	CITATIONS
1	Investigation of the dielectric response and the transport properties of samarium and strontium-based manganite. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	6
2	Study of structural properties and conduction mechanisms of $\text{La}_{0.67}\text{Ca}_{0.2}\text{Ba}_{0.13}\text{Fe}_{0.97}\text{Ti}_{0.03}\text{O}_3$ perovskite. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109435.	3.9	6
3	Temperature, frequency and bias voltage effects on the electrical transport properties of $(\text{Sm-Pr-Sr})\text{MnO}_3$ perovskite. <i>Materials Research Bulletin</i> , 2022, 155, 111976.	5.2	6
4	Investigation of physical properties of manganite on example of $\text{Sm}_{0.35}\text{Pr}_{0.2}\text{Sr}_{0.45}\text{MnO}_3$. <i>Physica B: Condensed Matter</i> , 2021, 600, 412548.	2.7	9
5	Transport properties and dielectric response of $\text{Pr}_{0.8}\text{Na}_{0.2-x}\text{K}_x\text{MnO}_3$ ($x=0, 0.05, 0.1, 0.15$ and 0.2) ceramics synthesized by sol-gel method. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	5
6	Silver concentration effects on structural and electrical properties of $\text{La}_{0.4}\text{Pr}_{0.25}\text{Ca}_{0.35-x}\text{Ag}_x\text{MnO}_3$ manganite elaborated by sol-gel method. <i>Phase Transitions</i> , 2021, 94, 616-626.	1.3	3
7	Electrical and dielectric properties of $\text{Sm}_{0.55}\text{Sr}_{0.45}\text{MnO}_3$ compound. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122378.	2.9	14
8	Structural, dielectric, electrical and modulus spectroscopic characteristics of CoFeCuO_4 spinel ferrite nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115331.	3.5	28
9	Effect of co doping on the electric and dielectric properties of $\text{Bi}_{3.8-x}\text{Er}_{0.2}\text{Yb}_x\text{Ti}_3\text{O}_{12}$ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2021, 898, 162899.	5.5	1
10	Double Jonscher response and contribution of multiple mechanisms in electrical conductivity processes of Fe-PrCaMnO ceramic. <i>Ceramics International</i> , 2020, 46, 1601-1608.	4.8	38
11	Investigations of electrical properties of $\text{Pr}_{0.65}\text{Ca}_{0.25}\text{Cd}_{0.1}\text{MnO}_3$ ceramic. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	18
12	Influence of Fe doping on physical properties of charge ordered praseodymium-calcium-manganite material. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	24
13	Magnetic properties and impedance spectroscopic analysis in $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.95}\text{Fe}_{0.05}\text{O}_3$ perovskite ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21046-21058.	2.2	21
14	Usefulness of theoretical approaches and experiential conductivity measurements for understanding manganite-transport mechanisms. <i>Results in Physics</i> , 2020, 19, 103570.	4.1	23
15	Morphological, electrical and dielectric properties of $\text{La}_{0.6}\text{Ga}_{0.4}\text{Fe}_{1-x}\text{Mn}_x\text{O}_3$ ceramics. <i>Phase Transitions</i> , 2020, 93, 992-1005.	1.3	1
16	Possibility of controlling the conduction mechanism by choosing a specific doping element in a praseodymium manganite system. <i>RSC Advances</i> , 2020, 10, 33868-33878.	3.6	14
17	Study of electrical properties of $(\text{Pr/Ca/Pb})\text{MnO}_3$ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16830-16837.	2.2	4
18	Chromium concentration effects on transport and dielectric behavior of lanthanum-gallium ferrite. <i>Physica B: Condensed Matter</i> , 2020, 591, 412244.	2.7	11

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19	Transport properties of La _{0.9} Sr _{0.1} MnO ₃ manganite. European Physical Journal Plus, 2020, 135, 1.	2.6	25
20	Effect of replacing Fe with Ti on the electrical and dielectric properties of orthoferrite La _{0.7} Ga _{0.3} Fe _{1-x} Ti _x O ₃ (x = 0, 0.1, 0.2, and 0.3). Phase Transitions, 2020, 93, 741-758.	1.3	4
21	Effect of the nature of the dopant element on the physical properties of X-PrCaMnO system (X = Cd, Sr). Tj ETQq1, 1 0.784314 rgBT 10	2.3	10
22	Summerfield scaling model and conduction processes defining the transport properties of silver substituted half doped (La _{1-x} Ca _x) MnO ₃ ceramic. Ceramics International, 2020, 46, 24710-24717.	4.8	27
23	Magnetic and dielectric properties of Ba-lacunar La _{0.5} Eu _{0.2} Ba _{0.3} MnO ₃ manganites synthesized using sol-gel method under different sintering temperatures. Journal of Magnetism and Magnetic Materials, 2020, 502, 166571.	2.3	15
24	Close look on the impact of treating dysprosium manganite with Ca/Sr in terms of transport properties. Journal of Alloys and Compounds, 2020, 834, 155121.	5.5	1
25	Frequency dependence of the hopping and disorder energies and conduction mechanisms in Cr-(Pr/Ca) MnO ₃ . Physica B: Condensed Matter, 2020, 599, 412491.	2.7	2
26	Sintering temperature effects on some physical properties of a Dy _{0.5} (Sr/Ca) _{0.5} MnO ₃ system. European Physical Journal Plus, 2019, 134, 1.	2.6	2
27	Investigation of annealing effects on the physical properties of Ni _{0.6} Zn _{0.4} Fe _{1.5} Al _{0.5} O ₄ ferrite. RSC Advances, 2019, 9, 19949-19964.	3.6	50
28	Barium deficiency and sintering temperature effects on structural and transport properties of La _{0.5} Eu _{0.2} Ba _{0.3} xMnO ₃ manganites. Journal of Materials Science: Materials in Electronics, 2019, 30, 19513-19523.	2.2	12
29	Structural, optical and electrical studies on Mn substituted La _{0.6} Ga _{0.4} FeO ₃ . Journal of Alloys and Compounds, 2019, 791, 822-832.	5.5	11
30	Effects of oxygen deficiency on the transport and dielectric properties of NdSrNbO. Journal of Physics and Chemistry of Solids, 2018, 117, 1-12.	4.0	33
31	Investigation of structural, electrical and dielectric properties of Pr _{0.67} Ba _{0.22} Sr _{0.11} Mn _{1-x} Fe _x O ₃ (0 ≤ x ≤ 0.2) perovskite. Journal of Materials Science: Materials in Electronics, 2018, 29, 2585-2592.	2.2	8
32	Physical properties of Ag/Ca doped Lanthanum manganite. Journal of Materials Science: Materials in Electronics, 2018, 29, 20113-20121.	2.2	13
33	Polarization and Ni content effects on structural properties, electrical conductivity, complex impedance and dielectric constant of Co-Mg-ferrites. European Physical Journal Plus, 2018, 133, 1.	2.6	1
34	Study of magnetic and electrical properties of Pr _{0.65} Ca _{0.25} Ba _{0.1} MnO ₃ manganite. RSC Advances, 2018, 8, 31755-31763.	3.6	14
35	Ytterbium doping effects on structural, optical and electrical properties of Bi ₄ Ti ₃ O ₁₂ system. Ceramics International, 2018, 44, 21893-21901.	4.8	17
36	Investigation of nickel effects on some physical properties of magnesium based ferrite. Journal of Alloys and Compounds, 2017, 705, 340-348.	5.5	30

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37	Effect of erbium concentration on the structural, optical and electrical properties of a Bi ₄ Ti ₃ O ₁₂ system. RSC Advances, 2017, 7, 22578-22586.	3.6	25
38	Dielectric properties of niobium-based oxide. Journal of Alloys and Compounds, 2017, 725, 342-348.	5.5	14
39	Europium substitution for lanthanum in LaBaMnO ₃ - The structural and electrical properties of La _{0.7} Eu _x Ba _{0.3} MnO ₃ perovskite. Journal of Alloys and Compounds, 2017, 690, 890-895.	5.5	35
40	Electrical conductivity analysis and magnetic properties of Pr _{0.7} Ca _{0.3} Mn _{0.95} Co _{0.05} O ₃ oxide. Journal of Materials Science: Materials in Electronics, 2017, 28, 1901-1908.	2.2	12
41	Investigation of magnetic and transport properties of PrCa(MnCo)O prepared by solid state process. Journal of Magnetism and Magnetic Materials, 2017, 423, 20-26.	2.3	29
42	Composition dependence of physical properties in Pr _{0.7} Ca _{0.3} Mn _{1-x} Ni _x O ₃ . Journal of Alloys and Compounds, 2017, 693, 631-641.	5.5	28
43	Fe substitution for Mn in PrSrCaMnO - The electrical and dielectrical properties of Pr _{0.6} Sr _{0.3} Ca _{0.1} Mn _{1-x} Fe _x O ₃ perovskite. European Physical Journal Plus, 2016, 131, 1.	2.6	1
44	Reply to "Electrical properties analysis of materials with ferroic order". RSC Advances, 2016, 6, 21011-21011.	3.6	1
45	Effect of small quantity of chromium on the electrical, magnetic and magnetocaloric properties of Pr _{0.7} Ca _{0.3} Mn _{0.98} Cr _{0.02} O ₃ manganite. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
46	Study of physical properties of cobalt substituted Pr _{0.7} Ca _{0.3} MnO ₃ ceramics. Ceramics International, 2016, 42, 6145-6153.	4.8	30
47	Influence of polarization and iron content on the transport properties of praseodymium-barium manganite. Journal of Physics and Chemistry of Solids, 2016, 88, 35-40.	4.0	21
48	Effect of exceeding the concentration limit of solubility of silver in perovskites on the dielectric and electric properties of half doped lanthanum-calcium manganite. Physica B: Condensed Matter, 2015, 473, 1-6.	2.7	31
49	Physical properties of 20% Cr-doped Pr _{0.7} Ca _{0.3} MnO ₃ perovskite. Ceramics International, 2015, 41, 11221-11227.	4.8	18
50	Partial substitution effects on the physical properties of Ba _{0.67} Nd _{0.22} Ti _(1-x) Sn _x O ₃ . European Physical Journal Plus, 2015, 130, 1.	2.6	1
51	Effect of chromium concentration on the structural, magnetic and electrical properties of praseodymium-calcium manganite. Journal of Alloys and Compounds, 2015, 650, 268-276.	5.5	41
52	Conduction mechanism, impedance spectroscopic investigation and dielectric behavior of La _{0.5} Ca _{0.5} Ag _x MnO ₃ manganites with compositions below the concentration limit of silver solubility in perovskites (0 ≤ x ≤ 0.2). Dalton Transactions, 2015, 44, 10457-10466.	3.3	171
53	Structural, dielectric and electrical properties of Zn doped Ba _{0.8} Sr _{0.2} TiO ₃ . Ceramics International, 2015, 41, 10910-10914.	4.8	11
54	Structural and electrical properties of Zn _{1-x} Ni _x Fe ₂ O ₄ ferrite. Physica B: Condensed Matter, 2015, 466-467, 31-37.	2.7	33

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55	Sodium deficiency effect on the transport properties of $\text{La}_{0.8}\text{Na}_{0.2}\text{MnO}_3$ manganites. <i>Physica B: Condensed Matter</i> , 2015, 478, 108-112.	2.7	18
56	Transport properties of silver-calcium doped lanthanum manganite. <i>Physica B: Condensed Matter</i> , 2015, 457, 240-244.	2.7	20
57	Electric dielectric properties and complex impedance analysis of $\text{La}_{0.5}\text{Ca}_{0.5}\text{Ag}_x\text{MnO}_3$ manganites. <i>RSC Advances</i> , 2015, 5, 2177-2184.	3.6	53
58	The effect of tin addition on the electrical conductivity of Sn-doped LaBaMnO_3 . <i>Journal of Alloys and Compounds</i> , 2014, 591, 259-262.	5.5	34
59	Effects of iron concentrations on the electrical properties of $\text{La}_{0.67}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$. <i>Journal of Alloys and Compounds</i> , 2013, 575, 5-9.	5.5	60
60	Chromium effects on the transport properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$. <i>Journal of Alloys and Compounds</i> , 2012, 533, 93-96.	5.5	72
61	Size mismatch, grain boundary and bandwidth effects on structural, magnetic and electrical properties of $\text{Pr}_{0.67}\text{Ba}_{0.33}\text{MnO}_3$ and $\text{Pr}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ perovskites. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1394-1400.	5.5	86
62	Conduction mechanism in $\text{La}_{0.67}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($x=0-0.2$) perovskites. <i>Physica B: Condensed Matter</i> , 2010, 405, 1470-1474.	2.7	26
63	Titanium effects on the transport properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ti}_x\text{O}_3$. <i>Journal of Alloys and Compounds</i> , 2010, 497, 1-5.	5.5	53
64	Magnetic and electrical behaviour of $\text{La}_{0.67}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ perovskites. <i>Materials Letters</i> , 2009, 63, 2167-2170.	2.6	52
65	Admittance spectroscopy and complex impedance analysis of Ti-modified $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Journal of Crystal Growth</i> , 2008, 310, 556-561.	1.5	54
66	Electrical conductivity and complex impedance analysis of 20% Ti-doped $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, 23-28.	2.3	104