Aleksey Pashchenko

List of Publications by Year
in descending order

60	644	567281 15	677142 22
papers	citations	h-index	g-index

60	60	60	383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic, resonance and transport properties of nanopowder of La0.7Sr0.3MnO3 manganites. Journal of Magnetism and Magnetic Materials, 2010, 322, 3072-3079.	2.3	52
2	Critical phenomena of magnetization, magnetocaloric effect, and superparamagnetism in nanoparticles of non-stoichiometric manganite. Journal of Alloys and Compounds, 2020, 836, 155440.	5.5	34
3	Role of structure imperfection in the formation of the magnetotransport properties of rare-earth manganites with a perovskite structure. Journal of Experimental and Theoretical Physics, 2017, 124, 100-113.	0.9	33
4	Influence of structure defects on functional properties of magnetoresistance (Nd0.7Sr0.3)1â^'xMn1+xO3 ceramics. Acta Materialia, 2014, 70, 218-227.	7.9	28
5	Modification of multifunctional properties of the magnetoresistive La0.6Sr0.15Bi0.15Mn1.1-xBxO3-ceramics when replacing manganese with 3d-ions of Cr, Fe, Co, Ni. Journal of Alloys and Compounds, 2018, 767, 1117-1125.	5.5	28
6	Multifunctionality of lanthanumâ€“strontium manganite nanopowder. Physical Chemistry Chemical Physics, 2020, 22, 11817-11828.	2.8	28
7	Structure, non-stoichiometry, valence of ions, dielectric and magnetic properties of single-phase Bi0.9La0.1FeO3â^'Î´ multiferroics. Journal of Magnetism and Magnetic Materials, 2019, 483, 100-113.	2.3	27
8	Liquid-phase sintered bismuth ferrite multiferroics and their giant dielectric constant. Ceramics International, 2019, 45, 14873-14879.	4.8	26
9	Influence of post-annealing, defect chemistry and high pressure on the magnetocaloric effect of non-stoichiometric La0.8-K0.2Mn1+O3 compounds. Ceramics International, 2021, 47, 24553-24563.	4.8	21
10	Magnetic properties and magnetocaloric effect in La0.7Sr0.3â^'xBixMnO3 manganites. Journal of Alloys and Compounds, 2015, 640, 433-439.	5.5	20
11	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. RSC Advances, 2020, 10, 30907-30916.	3.6	19
12	Imperfection of the clustered perovskite structure, phase transitions, and magnetoresistive properties of ceramic La0.6Sr0.2Mn1.2 â^' x Ni x O3 Â± Î´ (x = 0â€“0.3). Physics of the Solid State, 2012, 54, 767-777.	0.6	18
13	Magnetocaloric Effect in BiFe1â^'xZnxO3 Multiferroics. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3283-3288.	1.8	17
14	Evolution of structure and magnetic properties in Eu Bi1â^'FeO3 multiferroics obtained under high pressure. Journal of Magnetism and Magnetic Materials, 2019, 489, 165379.	2.3	17
15	Influence of rare-earth doping on the structural and dielectric properties of orthoferrite La0.50R0.50FeO3 ceramics synthesized under high pressure. Journal of Alloys and Compounds, 2020, 842, 155859.	5.5	17
16	Structure, phase transitions, 55 Mn NMR, magnetic and magnetotransport properties of the magnetoresistance La 0.9â^'x Ag x Mn 1.1 O 3â^'Î´ ceramics. Journal of Alloys and Compounds, 2017, 709, 779-788.	5.5	16
17	Structural and magnetic inhomogeneities, phase transitions, 55Mn nuclear magnetic resonance, and magnetoresistive properties of La0.6 â^' x Nd x Sr0.3Mn1.1O3-Î´ ceramics. Physics of the Solid State, 2014, 56, 955-966.	0.6	15
18	The role of structural and magnetic inhomogeneities in the formation of magneto-transport properties of the La0.6â^'Sm Sr0.3Mn1.1O3â^' ceramics. Journal of Magnetism and Magnetic Materials, 2016, 416, 457-465.	2.3	15

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19	Magnetoactive elastomer based on superparamagnetic nanoparticles with Curie point close to room temperature. Materials and Design, 2021, 197, 109281.	7.0	14
20	Effect of hyperstoichiometric manganese on the structure and transport, magnetic, and magnetoresistance properties of manganite-lanthanum (La0.7Ca0.3)1 â˜' x Mn1 + x O3 perovskites. Technical Physics, 2012, 57, 1508-1513.	0.7	13
21	Structural imperfections and magnetoresistive properties of the ceramic La0.6Sr0.2Mn1,2â˜'xFexO3Â±Î´. Low Temperature Physics, 2007, 33, 663-671.	0.6	12
22	Influence of cobalt on the structural and magnetic Inhomogeneities, phase transitions, and magnetoresistive properties of La0.6Sr0.2Mn1.2 â˜' x Co x O3 Â± Î´. Physics of the Solid State, 2008, 50, 1308-1314.	0.6	12
23	Nanoparticle size effect on the magnetic and transport properties of (La0.7Sr0.3)0.9Mn1.1O3 manganites. Low Temperature Physics, 2009, 35, 568-576.	0.6	12
24	Nanoclustering in (Nd0.7Sr0.3)1 â˜' x Mn1 + x O3 Â± Î´ solid solutions. Inorganic Materials, 2011, 47, 1019-1024.	0.8	12
25	Control of dielectric properties in bismuth ferrite multiferroic by compacting pressure. Materials Chemistry and Physics, 2021, 258, 123925.	4.0	12
26	Imperfection of the nanostructure, phase transitions, 55Mn NMR, and magnetoresistive properties of La 0.7 3+ Ca 0.3 â˜' x 2+ Sr x 2+ MnO3 Â± Î´ ceramics. Physics of the Solid State, 2009, 51, 1193-1203.	0.6	10
27	Local distortion in Co-doped LSMO from entropy-maximized charge density distribution. Journal of Alloys and Compounds, 2010, 501, 307-312.	5.5	10
28	Predicted model of magnetocaloric effect in BiFeO3-based multiferroics. Solid State Sciences, 2019, 95, 105920.	3.2	10
29	Structure, phase transitions, 55Mn NMR, 57Fe MÃ¶ssbauer studies and magnetoresistive properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0019.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn>0.6</mml:mn></mml:mrow> Journal of Magnetism and Magnetic Materials, 2014, 369, 122-126.	2.3	8
30	Novel Multiferroicâ€Like Nanocomposite with High Pressureâ€Modulated Magnetic and Electric Properties. Advanced Functional Materials, 2022, 32, .	14.9	8
31	Structural and magnetic inhomogeneity and the NMR of 55Mn and 139La in the magnetoresistive ceramics La0.7Ba0.3â˜'xSnxMnO3â†'La0.7â˜'xBa0.3â˜'xMnO3+0.5xLa2Sn2O7. Low Temperature Physics, 2003, 29, 910-916.	0.6	7
32	Structure defects, phase transitions, magnetic resonance and magneto-transport properties of La0.6â€“xEuxSr0.3Mn1.1O3â€“Î´ ceramics. Low Temperature Physics, 2016, 42, 1102-1111.	0.6	7
33	Magnetic and magnetocaloric properties of the La0.9â˜'xAgxMn1.1O3 compounds. Low Temperature Physics, 2017, 43, 1190-1195.	0.6	7
34	Structural and magnetic heterogeneities, phase transitions, 55Mn NMR, and magnetoresistive properties of La0.6Sr0.3 â˜' x Bi x Mn1.1O3. Physics of the Solid State, 2013, 55, 321-325.	0.6	6
35	Dielectric, magnetoelectric, structure, and dissipative properties and the MÃ¶ssbauer effect in PbFe1/2Nb1/2O3 ceramics in wide frequency and temperature ranges. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1130-1134.	0.6	5
36	Influence of the K+ ions and the superstoichiometric manganese on structure defects, magneto-transport and dielectric properties of magnetoresistive La0.7Ca0.3-xKxMn1+xO3-Î´ ceramic. Low Temperature Physics, 2017, 43, 1076-1085.	0.6	5

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37	Comparison of pressure, magnetic-field, and excess manganese effects on transport properties of film and bulk ceramic Laâ€“Ca manganites. Low Temperature Physics, 2006, 32, 139-147.	0.6	4
38	Influence of composition and sintering temperature on density of structure defects, phase transitions, and properties of magneto-resistive strontium-doped ceramic of manganate-lanthanum perovskites. Powder Metallurgy and Metal Ceramics, 2006, 45, 432-440.	0.8	4
39	Structure, phase transitions, 55Mn NMR, and magnetoresistive properties of La0.6Sr0.2Mn1.2 â^' y Cr y O3 Â± Î´. Physics of the Solid State, 2011, 53, 309-315.	0.6	4
40	Structural and magnetic heterogeneities, phase transitions, and magnetoresistance and magnetoresonance properties of the composition ceramic La0.7Pb0.3 â^' x Sn x MnO3. Journal of Experimental and Theoretical Physics, 2012, 114, 503-511.	0.9	4
41	Effect of high pressure and torsional strain on the structure, microstresses, 55Mn NMR, and magnetoresistance of La0.6Sr0.3Mn1.1O3 Â± Î´ nanopowders. Technical Physics Letters, 2010, 36, 566-569.	0.7	3
42	Structural and magnetic inhomogeneity, phase transitions, magnetoresonance and magnetoresistive properties of La0.6 â^' x Pr x Sr0.3Mn1.1O3 (x = 0â€“0.6). Physics of the Solid State, 2013, 55, 486-494.	0.6	3
43	Effect of oxygen nonstoichiometry on the structure, 55Mn and 57Fe NMR, electromagnetic properties, and magnetoresistance of manganese zinc ferrites. Inorganic Materials, 2014, 50, 191-196.	0.8	3
44	Structure imperfection and dielectric properties of single-phase multifferoic Bi1-xLaxFeO3-Î´. , 2016, , .		3
45	Influence of Nonstoichiometry on Magnetocaloric Effect in (La0.7Ca0.3)1 - xMn1+xO3. Acta Physica Polonica A, 2012, 122, 162-166.	0.5	3
46	Structure, dielectric, magnetoelectric, and dissipative properties of AFe2/3W1/3O3 (A = Ba, Sr, Pb) ceramics in wide frequency and temperature ranges. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 1121-1126.	0.6	2
47	Structural and magnetic inhomogeneities, phase transitions, 55Mn NMR, and magnetoresistive properties of La0.6Sr0.2Mn1.2 â^' x Nb x O3 ceramics. Physics of the Solid State, 2013, 55, 1159-1169.	0.6	2
48	Structure, phase transitions,55Mn NMR and magnetoresistive properties of Pr0.6â^'xNdxSr0.3Mn1.1O3â^'Î´(x= 0â^'0.6). Low Temperature Physics, 2014, 40, 717-723.	0.6	2
49	Self-Organized Growth of Clustered Structures in La0.6â€“xNd x Sr0.3Mn1.1O3â€“Î´ Doped Perovskites. Inorganic Materials, 2018, 54, 354-360.	0.8	2
50	Thickness- and substrate-dependent magnetotransport properties of lanthanumâ€“strontium manganite films with overstoichiometric manganese content. Journal of Materials Science: Materials in Electronics, 2020, 31, 16360-16368.	2.2	2
51	Massive, Thick-Film, and Thin-Film La[sub 0.6]Sr[sub 0.3]Mn[sub 1.1 â€“][sub x]Fe[sub x]O[sub 3 Â± Î´] Magnetoresistive Ceramics: Structure and Properties. Technical Physics, 2005, 50, 1497.	0.7	1
52	IR absorption and linear dichroism in BiFe0.5Co0.5O3 films. Applied Physics A: Materials Science and Processing, 2015, 120, 239-246.	2.3	1
53	Magnetic-field suppression of superconductivity in layered high-Tc materials. Low Temperature Physics, 1998, 24, 234-238.	0.6	0
54	Thickness-dependent magnetotransport properties of La<inf>0.6S</inf>r<inf>0.2</inf>Mn<inf>1.2</inf>O<inf>3</inf> films on SrTiO<inf>3</inf> and LaAlO<inf>3</inf> substrates. , 2012, , .		0

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55	High hydrostatic pressure effect on functional properties of nanopowder La<inf>0.6</inf>Sr<inf>0.3</inf>Mn<inf>1.1</inf>O<inf>3-Î´</inf> compacts with various dispersion. , 2017, , .		0
56	Magnetotransport and dielectric properties of Bi-containing La<inf>0.6</inf>Sr<inf>0.15</inf>Bi<inf>0.15</inf>Mn<inf>1.1-x</inf>B<inf>x</inf>O<inf>3-Î´</inf> rare-earth manganites with B = Cr, Fe, Co, Ni. , 2017, , .		0
57	Influence of Superstoichiometric Manganese on the Charge and Spin Polarization of Electron Subsystem of Magnetoresistance Ceramics. , 2018, , .		0
58	Structure and Dielectric Properties of Bi0.80Gd0.20â€“xLa x FeO3 Multiferroics. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 570-573.	0.6	0
59	Influence of Compacting Pressure on the Dielectric Properties of La-modified Bismuth Ferrite Multiferroics Prepared by Rapid Liquid-phase Sintering Method. IOP Conference Series: Materials Science and Engineering, 2021, 1150, 012004.	0.6	0
60	The Influence of the Composition on the Atomic Structure of Bi1 â€“ xYxFeO3 Ceramics. Technical Physics, 2021, 66, 793.	0.7	0