

# Aleksey Pashchenko

## List of Publications by Year in descending order

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60  
papers

644  
citations

567281

15  
h-index

677142

22  
g-index

60  
all docs

60  
docs citations

60  
times ranked

383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Multiferroic-Like Nanocomposite with High Pressure-Modulated Magnetic and Electric Properties. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	8
2	Magnetoactive elastomer based on superparamagnetic nanoparticles with Curie point close to room temperature. <i>Materials and Design</i> , 2021, 197, 109281.	7.0	14
3	Control of dielectric properties in bismuth ferrite multiferroic by compacting pressure. <i>Materials Chemistry and Physics</i> , 2021, 258, 123925.	4.0	12
4	Influence of Compacting Pressure on the Dielectric Properties of La-modified Bismuth Ferrite Multiferroics Prepared by Rapid Liquid-phase Sintering Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1150, 012004.	0.6	0
5	Influence of post-annealing, defect chemistry and high pressure on the magnetocaloric effect of non-stoichiometric $\text{La}_{0.8}\text{-K}_{0.2}\text{Mn}_{1+0}\text{O}_3$ compounds. <i>Ceramics International</i> , 2021, 47, 24553-24563.	4.8	21
6	The Influence of the Composition on the Atomic Structure of $\text{Bi}_{1-x}\text{Y}_x\text{FeO}_3$ Ceramics. <i>Technical Physics</i> , 2021, 66, 793.	0.7	0
7	Thickness- and substrate-dependent magnetotransport properties of lanthanum-strontium manganite films with overstoichiometric manganese content. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16360-16368.	2.2	2
8	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. <i>RSC Advances</i> , 2020, 10, 30907-30916.	3.6	19
9	Influence of rare-earth doping on the structural and dielectric properties of orthoferrite $\text{La}_{0.50}\text{R}_{0.50}\text{FeO}_3$ ceramics synthesized under high pressure. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155859.	5.5	17
10	Multifunctionality of lanthanum-strontium manganite nanopowder. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11817-11828.	2.8	28
11	Critical phenomena of magnetization, magnetocaloric effect, and superparamagnetism in nanoparticles of non-stoichiometric manganite. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155440.	5.5	34
12	Predicted model of magnetocaloric effect in $\text{BiFeO}_3$ -based multiferroics. <i>Solid State Sciences</i> , 2019, 95, 105920.	3.2	10
13	Evolution of structure and magnetic properties in $\text{Eu Bi}_{1-x}\text{FeO}_3$ multiferroics obtained under high pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165379.	2.3	17
14	Liquid-phase sintered bismuth ferrite multiferroics and their giant dielectric constant. <i>Ceramics International</i> , 2019, 45, 14873-14879.	4.8	26
15	Structure, non-stoichiometry, valence of ions, dielectric and magnetic properties of single-phase $\text{Bi}_{0.9}\text{La}_{0.1}\text{FeO}_3$ multiferroics. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 483, 100-113.	2.3	27
16	Self-Organized Growth of Clustered Structures in $\text{La}_{0.6-x}\text{Nd}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_3$ Doped Perovskites. <i>Inorganic Materials</i> , 2018, 54, 354-360.	0.8	2
17	Magnetocaloric Effect in $\text{BiFe}_{1-x}\text{Zn}_x\text{O}_3$ Multiferroics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3283-3288.	1.8	17
18	Influence of Superstoichiometric Manganese on the Charge and Spin Polarization of Electron Subsystem of Magnetoresistance Ceramics. , 2018, , .		0

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19	Structure and Dielectric Properties of $\text{Bi}_{0.80}\text{Gd}_{0.20}\text{La}_x\text{FeO}_3$ Multiferroics. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 570-573.	0.6	0
20	Modification of multifunctional properties of the magnetoresistive $\text{La}_{0.6}\text{Sr}_{0.15}\text{Bi}_{0.15}\text{Mn}_{1.1-x}\text{B}_x\text{O}_3$ -ceramics when replacing manganese with 3d-ions of Cr, Fe, Co, Ni. Journal of Alloys and Compounds, 2018, 767, 1117-1125.	5.5	28
21	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
22	High hydrostatic pressure effect on functional properties of nanopowder $\text{La}_{0.6}\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ compacts with various dispersion. , 2017, , .		0
23	Structure, phase transitions, $^{55}\text{Mn}$ NMR, magnetic and magnetotransport properties of the magnetoresistance $\text{La}_{0.9}\text{Ag}_x\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Journal of Alloys and Compounds, 2017, 709, 779-788.	5.5	16
24	Magnetotransport and dielectric properties of Bi-containing $\text{La}_{0.6}\text{Sr}_{0.15}\text{Bi}_{0.15}\text{Mn}_{1.1-x}\text{B}_x\text{O}_{3-\delta}$ rare-earth manganites with B = Cr, Fe, Co, Ni. , 2017, , .		0
25	Influence of the $\text{K}^+$ ions and the superstoichiometric manganese on structure defects, magneto-transport and dielectric properties of magnetoresistive $\text{La}_{0.7}\text{Ca}_{0.3-x}\text{K}_x\text{Mn}_{1+x}\text{O}_{3-\delta}$ ceramic. Low Temperature Physics, 2017, 43, 1076-1085.	0.6	5
26	Magnetic and magnetocaloric properties of the $\text{La}_{0.9}\text{Ag}_x\text{Mn}_{1.1}\text{O}_3$ compounds. Low Temperature Physics, 2017, 43, 1190-1195.	0.6	7
27	Structure defects, phase transitions, magnetic resonance and magneto-transport properties of $\text{La}_{0.6}\text{Eu}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Low Temperature Physics, 2016, 42, 1102-1111.	0.6	7
28	The role of structural and magnetic inhomogeneities in the formation of magneto-transport properties of the $\text{La}_{0.6}\text{Sm}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Journal of Magnetism and Magnetic Materials, 2016, 416, 457-465.	2.3	15
29	Structure imperfection and dielectric properties of single-phase multiferroic $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ . , 2016, , .		3
30	Magnetic properties and magnetocaloric effect in $\text{La}_{0.7}\text{Sr}_{0.3}\text{Bi}_x\text{MnO}_3$ manganites. Journal of Alloys and Compounds, 2015, 640, 433-439.	5.5	20
31	IR absorption and linear dichroism in $\text{BiFe}_{0.5}\text{Co}_{0.5}\text{O}_3$ films. Applied Physics A: Materials Science and Processing, 2015, 120, 239-246.	2.3	1
32	Structure, phase transitions, $^{55}\text{Mn}$ NMR and magnetoresistive properties of $\text{Pr}_{0.6}\text{Nd}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ( $x = 0 \sim 0.6$ ). Low Temperature Physics, 2014, 40, 717-723.	0.6	2
33	Effect of oxygen nonstoichiometry on the structure, $^{55}\text{Mn}$ and $^{57}\text{Fe}$ NMR, electromagnetic properties, and magnetoresistance of manganese zinc ferrites. Inorganic Materials, 2014, 50, 191-196.	0.8	3
34	Influence of structure defects on functional properties of magnetoresistance $(\text{Nd}_{0.7}\text{Sr}_{0.3})_{1-x}\text{Mn}_{1+x}\text{O}_3$ ceramics. Acta Materialia, 2014, 70, 218-227.	7.9	28
35	Structural and magnetic inhomogeneities, phase transitions, $^{55}\text{Mn}$ nuclear magnetic resonance, and magnetoresistive properties of $\text{La}_{0.6-x}\text{Nd}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Physics of the Solid State, 2014, 56, 955-966.	0.6	15
36	Structure, phase transitions, $^{55}\text{Mn}$ NMR, $^{57}\text{Fe}$ Mössbauer studies and magnetoresistive properties of $\text{La}_{0.6}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Journal of Magnetism and Magnetic Materials, 2014, 369, 122-126.	2.3	8

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37	Structural and magnetic inhomogeneities, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2}\hat{\alpha}^{\gamma} \times \text{Nb} \times \text{O}_3$ ceramics. <i>Physics of the Solid State</i> , 2013, 55, 1159-1169.	0.6	2
38	Structural and magnetic inhomogeneity, phase transitions, magnetoresonance and magnetoresistive properties of $\text{La}_{0.6}\hat{\alpha}^{\gamma} \times \text{Pr} \times \text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_3$ ( $x = 0\hat{\alpha}\epsilon^{\gamma}0.6$ ). <i>Physics of the Solid State</i> , 2013, 55, 486-494.	0.6	3
39	Structural and magnetic heterogeneities, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.3}\hat{\alpha}^{\gamma} \times \text{Bi} \times \text{Mn}_{1.1}\text{O}_3$ . <i>Physics of the Solid State</i> , 2013, 55, 321-325.	0.6	6
40	Thickness-dependent magnetotransport properties of $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2}\text{O}_3$ films on $\text{SrTiO}_3$ and $\text{LaAlO}_3$ substrates. , 2012, , .		0
41	Effect of hyperstoichiometric manganese on the structure and transport, magnetic, and magnetoresistance properties of manganese-lanthanum ( $\text{La}_{0.7}\text{Ca}_{0.3}$ ) $_{1-\hat{\alpha}^{\gamma}} \times \text{Mn}_{1+x}\text{O}_3$ perovskites. <i>Technical Physics</i> , 2012, 57, 1508-1513.	0.7	13
42	Structural and magnetic heterogeneities, phase transitions, and magnetoresistance and magnetoresonance properties of the composition ceramic $\text{La}_{0.7}\text{Pb}_{0.3}\hat{\alpha}^{\gamma} \times \text{Sn} \times \text{MnO}_3$ . <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 503-511.	0.9	4
43	Imperfection of the clustered perovskite structure, phase transitions, and magnetoresistive properties of ceramic $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2}\hat{\alpha}^{\gamma} \times \text{Ni} \times \text{O}_3$ ( $x = 0\hat{\alpha}\epsilon^{\gamma}0.3$ ). <i>Physics of the Solid State</i> , 2012, 54, 767-777.	0.6	18
44	Influence of Nonstoichiometry on Magnetocaloric Effect in $(\text{La}_{0.7}\text{Ca}_{0.3})_{1-x}\text{Mn}_{1+x}\text{O}_3$ . <i>Acta Physica Polonica A</i> , 2012, 122, 162-166.	0.5	3
45	Nanoclustering in $(\text{Nd}_{0.7}\text{Sr}_{0.3})_{1-\hat{\alpha}^{\gamma}} \times \text{Mn}_{1+x}\text{O}_3$ solid solutions. <i>Inorganic Materials</i> , 2011, 47, 1019-1024.	0.8	12
46	Structure, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2}\hat{\alpha}^{\gamma} \times \text{Cr} \times \text{O}_3$ . <i>Physics of the Solid State</i> , 2011, 53, 309-315.	0.6	4
47	Structure, dielectric, magnetoelectric, and dissipative properties of $\text{AFe}_2/3\text{W}_1/3\text{O}_3$ ( $\text{A} = \text{Ba}, \text{Sr}, \text{Pb}$ ) ceramics in wide frequency and temperature ranges. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010, 74, 1121-1126.	0.6	2
48	Dielectric, magnetoelectric, structure, and dissipative properties and the Mössbauer effect in $\text{PbFe}_1/2\text{Nb}_1/2\text{O}_3$ ceramics in wide frequency and temperature ranges. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010, 74, 1130-1134.	0.6	5
49	Effect of high pressure and torsional strain on the structure, microstresses, $^{55}\text{Mn}$ NMR, and magnetoresistance of $\text{La}_{0.6}\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_3$ nanopowders. <i>Technical Physics Letters</i> , 2010, 36, 566-569.	0.7	3
50	Magnetic, resonance and transport properties of nanopowder of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3072-3079.	2.3	52
51	Local distortion in Co-doped LSMO from entropy-maximized charge density distribution. <i>Journal of Alloys and Compounds</i> , 2010, 501, 307-312.	5.5	10
52	Imperfection of the nanostructure, phase transitions, $^{55}\text{Mn}$ NMR, and magnetoresistive properties of $\text{La}_{0.7}\text{Ca}_{0.3}\hat{\alpha}^{\gamma} \times \text{Sr} \times \text{MnO}_3$ ceramics. <i>Physics of the Solid State</i> , 2009, 51, 1193-1203.	0.6	10
53	Nanoparticle size effect on the magnetic and transport properties of $(\text{La}_{0.7}\text{Sr}_{0.3})_{0.9}\text{Mn}_{1.1}\text{O}_3$ manganites. <i>Low Temperature Physics</i> , 2009, 35, 568-576.	0.6	12
54	Influence of cobalt on the structural and magnetic inhomogeneities, phase transitions, and magnetoresistive properties of $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2}\hat{\alpha}^{\gamma} \times \text{Co} \times \text{O}_3$ . <i>Physics of the Solid State</i> , 2008, 50, 1308-1314.	0.6	12

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55	Structural imperfections and magnetoresistive properties of the ceramic $\text{La}_{0.6}\text{Sr}_{0.2}\text{Mn}_{1.2-x}\text{Fe}_x\text{O}_3$ . Low Temperature Physics, 2007, 33, 663-671.	0.6	12
56	Comparison of pressure, magnetic-field, and excess manganese effects on transport properties of film and bulk ceramic $\text{La}_{1-x}\text{Ca}_x$ manganites. Low Temperature Physics, 2006, 32, 139-147.	0.6	4
57	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
58	Massive, Thick-Film, and Thin-Film $\text{La}_{0.6}\text{Sr}_{0.3}\text{Mn}_{1.1-x}\text{Fe}_x\text{O}_3$ Magneto-resistive Ceramics: Structure and Properties. Technical Physics, 2005, 50, 1497.	0.7	1
59	Structural and magnetic inhomogeneity and the NMR of $^{55}\text{Mn}$ and $^{139}\text{La}$ in the magnetoresistive ceramics $\text{La}_{0.7}\text{Ba}_{0.3-x}\text{Sn}_x\text{MnO}_3$ and $\text{La}_{0.7-x}\text{Ba}_{0.3-x}\text{MnO}_3+0.5x\text{La}_2\text{Sn}_2\text{O}_7$ . Low Temperature Physics, 2003, 29, 910-916.	0.6	7
60	Magnetic-field suppression of superconductivity in layered high- $T_c$ materials. Low Temperature Physics, 1998, 24, 234-238.	0.6	0