Nikita Liedienov

List of Publications by Year
in descending order

33	433	567281 15	752698 20
papers	citations	h-index	g-index

34	34	34	213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	Multifunctionality of lanthanumâ€"strontium manganite nanopowder. Physical Chemistry Chemical Physics, 2020, 22, 11817-11828.	2.8	28
6	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
7	Liquid-phase sintered bismuth ferrite multiferroics and their giant dielectric constant. Ceramics International, 2019, 45, 14873-14879.	4.8	26
8	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
9	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. RSC Advances, 2020, 10, 30907-30916.	3.6	19
10	Magnetocaloric Effect in BiFe1â^'xZnxO3 Multiferroics. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3283-3288.	1.8	17
11	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
12	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
13	Palladium nanoparticles embedded in microporous carbon as electrocatalysts for water splitting in alkaline media. International Journal of Hydrogen Energy, 2021, 46, 21462-21474.	7.1	17
14	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
15	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
16	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
17	Magnetoactive elastomer based on superparamagnetic nanoparticles with Curie point close to room temperature. Materials and Design, 2021, 197, 109281.	7.0	14
18	Control of dielectric properties in bismuth ferrite multiferroic by compacting pressure. Materials Chemistry and Physics, 2021, 258, 123925.	4.0	12

#	Article	IF	Citations
19	Spin-dependent magnetism and superparamagnetic contribution to the magnetocaloric effect of non-stoichiometric manganite nanoparticles. Applied Materials Today, 2022, 26, 101340.	4.3	11
20	Predicted model of magnetocaloric effect in BiFeO3-based multiferroics. Solid State Sciences, 2019, 95, 105920.	3.2	10
21	Novel Multiferroicâ€Like Nanocomposite with High Pressureâ€Modulated Magnetic and Electric Properties. Advanced Functional Materials, 2022, 32, .	14.9	8
22	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
23	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
24	Structure imperfection and dielectric properties of single-phase multifferoic Bi1-xLaxFeO3-Î´. , 2016, , .		3
25	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
26	Interfacial phenomena in natural nanostructured materials based on kaolinite and calcite in blends with nanosilica and neem leaf powder. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124238.	4.7	2
27	Morphology and Functional Properties of Magnetic Nanoparticles of Lanthanum-Strontium Manganites. , 2019, , .		1
28	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
29	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
30	Influence of Superstoichiometric Manganese on the Charge and Spin Polarization of Electron Subsystem of Magnetoresistance Ceramics. , 2018, , .		0
31	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
32	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer {Fe[bipy(ttr)2]}n. , 2021, , .		0
33	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