

# Nikita Liedienov

## List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Spin-dependent magnetism and superparamagnetic contribution to the magnetocaloric effect of non-stoichiometric manganite nanoparticles. Applied Materials Today, 2022, 26, 101340.	4.3	11
2	Novel Multiferroic-Like Nanocomposite with High Pressure-Modulated Magnetic and Electric Properties. Advanced Functional Materials, 2022, 32, .	14.9	8
3	Magnetoactive elastomer based on superparamagnetic nanoparticles with Curie point close to room temperature. Materials and Design, 2021, 197, 109281.	7.0	14
4	Control of dielectric properties in bismuth ferrite multiferroic by compacting pressure. Materials Chemistry and Physics, 2021, 258, 123925.	4.0	12
5	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer {Fe[bipy(ttr)2]}n. , 2021, , .		0
6	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
7	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
8	Influence of post-annealing, defect chemistry and high pressure on the magnetocaloric effect of non-stoichiometric La <sub>0.8</sub> K <sub>0.2</sub> Mn <sub>1+O3</sub> compounds. Ceramics International, 2021, 47, 24553-24563.	4.8	21
9	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
10	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. RSC Advances, 2020, 10, 30907-30916.	3.6	19
11	Influence of rare-earth doping on the structural and dielectric properties of orthoferrite La <sub>0.50</sub> R <sub>0.50</sub> FeO <sub>3</sub> ceramics synthesized under high pressure. Journal of Alloys and Compounds, 2020, 842, 155859.	5.5	17
12	Multifunctionality of lanthanum-strontium manganite nanopowder. Physical Chemistry Chemical Physics, 2020, 22, 11817-11828.	2.8	28
13	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
14	Morphology and Functional Properties of Magnetic Nanoparticles of Lanthanum-Strontium Manganites. , 2019, , .		1
15	Predicted model of magnetocaloric effect in BiFeO <sub>3</sub> -based multiferroics. Solid State Sciences, 2019, 95, 105920.	3.2	10
16	Evolution of structure and magnetic properties in Eu Bi <sub>1-x</sub> FeO <sub>3</sub> multiferroics obtained under high pressure. Journal of Magnetism and Magnetic Materials, 2019, 489, 165379.	2.3	17
17	Liquid-phase sintered bismuth ferrite multiferroics and their giant dielectric constant. Ceramics International, 2019, 45, 14873-14879.	4.8	26
18	Structure, non-stoichiometry, valence of ions, dielectric and magnetic properties of single-phase Bi <sub>0.9</sub> La <sub>0.1</sub> FeO <sub>3</sub> multiferroics. Journal of Magnetism and Magnetic Materials, 2019, 483, 100-113.	2.3	27

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19	Magnetocaloric Effect in $\text{BiFe}_{1-x}\text{Zn}_x\text{O}_3$ Multiferroics. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3283-3288.	1.8	17
20	Influence of Superstoichiometric Manganese on the Charge and Spin Polarization of Electron Subsystem of Magnetoresistance Ceramics. , 2018, , .		0
21	Structure and Dielectric Properties of $\text{Bi}_{0.80}\text{Gd}_{0.20-x}\text{La}_x\text{FeO}_3$ Multiferroics. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 570-573.	0.6	0
22	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
23	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
24	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
25	Structure, phase transitions, 55 Mn NMR, magnetic and magnetotransport properties of the magnetoresistance $\text{La}_{0.9-x}\text{Ag}_x\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Journal of Alloys and Compounds, 2017, 709, 779-788.	5.5	16
26	Magnetotransport and dielectric properties of Bi-containing $\text{La}_{0.6-x}\text{Sr}_{0.15-x}\text{Bi}_{0.15-x}\text{Mn}_{1.1-x}\text{B}_x\text{O}_{3-\delta}$ rare-earth manganites with B = Cr, Fe, Co, Ni. , 2017, , .		0
27	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
28	Structure defects, phase transitions, magnetic resonance and magneto-transport properties of $\text{La}_{0.6-x}\text{Eu}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Low Temperature Physics, 2016, 42, 1102-1111.	0.6	7
29	The role of structural and magnetic inhomogeneities in the formation of magneto-transport properties of the $\text{La}_{0.6-x}\text{Sm}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ceramics. Journal of Magnetism and Magnetic Materials, 2016, 416, 457-465.	2.3	15
30	Structure imperfection and dielectric properties of single-phase multiferroic $\text{Bi}_{1-x}\text{La}_x\text{FeO}_{3-\delta}$ . , 2016, , .		3
31	Structure, phase transitions, 55Mn NMR and magnetoresistive properties of $\text{Pr}_{0.6-x}\text{Nd}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ( $x=0\sim 0.6$ ). Low Temperature Physics, 2014, 40, 717-723.	0.6	2
32	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
33	Structural and magnetic inhomogeneities, phase transitions, 55Mn 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