

Georgiy G Levchenko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8276420/publications.pdf>

Version: 2024-02-01

53
papers

884
citations

623734

14
h-index

477307

29
g-index

53
all docs

53
docs citations

53
times ranked

931
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-dependent magnetism and superparamagnetic contribution to the magnetocaloric effect of non-stoichiometric manganite nanoparticles. <i>Applied Materials Today</i> , 2022, 26, 101340.	4.3	11
2	Novel Multiferroic-Like Nanocomposite with High Pressure-Modulated Magnetic and Electric Properties. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	8
3	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer $\{Fe[bipy(ttr)2]\}_n$. , 2021, , .		0
4	Critical bending and shape memory effect in magnetoactive elastomers. <i>Smart Materials and Structures</i> , 2021, 30, 025020.	3.5	12
5	Pressure Tunable Electronic Bistability in Fe(II) Hofmann-like Two-Dimensional Coordination Polymer $[Fe(Fpz)_2Pt(CN)_4]$: A Comprehensive Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2021, 60, 16016-16028.	4.0	16
6	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. <i>RSC Advances</i> , 2020, 10, 30907-30916.	3.6	19
7	Variable Cooperative Interactions in the Pressure and Thermally Induced Multistep Spin Transition in a Two-Dimensional Iron(II) Coordination Polymer. <i>Inorganic Chemistry</i> , 2020, 59, 10548-10556.	4.0	12
8	Anomalous magnetorheological effect in unstructured magnetoisotropic magnetoactive elastomers. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
9	Multifunctionality of lanthanum-strontium manganite nanopowder. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11817-11828.	2.8	28
10	The average value of the spin squared operator as an order parameter for spin phase transitions without spontaneous lowering of symmetry. <i>Journal of Physics Communications</i> , 2020, 4, 095024.	1.2	3
11	Morphology and Functional Properties of Magnetic Nanoparticles of Lanthanum-Strontium Manganites. , 2019, , .		1
12	The loss of mechanical stability and the critical magnetization of a ferromagnetic particle in an elastomer. <i>Soft Matter</i> , 2019, 15, 5987-5994.	2.7	7
13	Anomalous behavior of bending deformation induced by a magnetic field in a system of ferromagnetic stripes located on an elastomer. <i>Smart Materials and Structures</i> , 2019, 28, 125013.	3.5	5
14	Electrical Voltage Control of the Pressure-Induced Spin Transition at Room Temperature in the Microporous 3D Polymer $[Fe(pz)Pt(CN)_4]$. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5642-5646.	3.1	16
15	Pressure Effect Studies on the Spin Transition of Microporous 3D Polymer $[Fe(pz)Pt(CN)_4]$. <i>Inorganic Chemistry</i> , 2018, 57, 8458-8464.	4.0	21
16	Charge Transfer, Change of the Spin Value, and Driving of Magnetic Order by Pressure in Bimetallic Molecular Complexes. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6846-6853.	2.6	7
17	Role of structure imperfection in the formation of the magnetotransport properties of rare-earth manganites with a perovskite structure. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 100-113.	0.9	33
18	Influence of the K^+ ions and the superstoichiometric manganese on structure defects, magneto-transport and dielectric properties of magneto-resistive $La_{0.7}Ca_{0.3-x}K_xMn_{1+x}O_{3-\delta}$ ceramic. <i>Low Temperature Physics</i> , 2017, 43, 1076-1085.	0.6	5

#	ARTICLE	IF	CITATIONS
19	The role of anharmonicity in the systems with spin crossover. <i>Low Temperature Physics</i> , 2016, 42, 505-512.	0.6	1
20	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. <i>Low Temperature Physics</i> , 2016, 42, 1102-1111.	0.6	7
21	Structure imperfection and dielectric properties of single-phase multiferroic $\text{Bi}_{1-x}\text{La}_x\text{FeO}_{3-\delta}$. , 2016, , .		3
22	Spin crossover in iron(II)-containing complex compounds under a pressure (Review Article). <i>Low Temperature Physics</i> , 2014, 40, 571-585.	0.6	26
23	Peculiarities of the resonant transmission of a TM (TE) wave through an antiferromagnet plate in crossed dc magnetic and electric fields. <i>Low Temperature Physics</i> , 2014, 40, 49-57.	0.6	1
24	The Effect of Pressure on the Cooperative Spin Transition in the 2D Coordination Polymer $\{\text{Fe}(\text{phpy})_2[\text{Ni}(\text{CN})_4]\}$. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 429-433.	2.0	19
25	Structural and magnetic inhomogeneities, phase transitions, ^{55}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. <i>Physics of the Solid State</i> , 2014, 56, 955-966.	0.6	15
26	Properties of evanescent waves in polarized media in a constant external electric field: II. The noncompensated antiferromagnetic. <i>Optics and Spectroscopy (English Translation of Optika I)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 45		
27	Structural and magnetic inhomogeneity, phase transitions, magnetoresonance and magnetoresistive properties of $\text{La}_{0.6-x}\text{Pr}_x\text{Sr}_{0.3}\text{Mn}_{1.1}\text{O}_{3-\delta}$ ($x = 0-0.6$). <i>Physics of the Solid State</i> , 2013, 55, 486-494.	0.6	3
28	Thermal, Pressure and Light Induced Spin Crossover Behaviour in the Two Dimensional Hofmann Like Coordination Polymer $[\text{Fe}(\text{Cpy})_2[\text{Pd}(\text{CN})_4]]$. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 813-818.	2.0	35
29	Properties of evanescent waves in polarized media in a constant external electric field: I. The compensated antiferromagnetic. <i>Optics and Spectroscopy (English Translation of Optika I)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		
30	Evidence of the Griffiths phase in multiferroic BiMnO_3 and $\text{BiFe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ films. <i>Low Temperature Physics</i> , 2012, 38, 413-418.	0.6	11
31	Spin-wave electrodynamics of the interface between a magnetoelectric multiferroic and a nonmagnetic insulator. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 474-495.	0.9	10
32	Structural and magnetic heterogeneities, phase transitions, and magnetoresistance and magnetoresonance properties of the composition ceramic $\text{La}_{0.7}\text{Pb}_{0.3-x}\text{Sn}_x\text{MnO}_3$. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 503-511.	0.9	4
33	Local structure and magnetic inhomogeneity of nano-sized $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ manganites. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	23
34	Phase separation in strained cation- and anion-deficient $\text{Nd}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$ films. <i>Technical Physics</i> , 2011, 56, 1475-1486.	0.7	3
35	Refraction of s- and p-polarized electromagnetic waves at the interface between a nonmagnetic insulator and an easy-axis centroantisymmetric antiferromagnet. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011, 75, 713-717.	0.6	2
36	Antiferromagnet with an antisymmetry center in an external static magnetic field as a left-handed medium. <i>JETP Letters</i> , 2010, 92, 511-515.	1.4	5

#	ARTICLE	IF	CITATIONS
37	The pressure-induced spin transition in the Fe(phen) ₂ (NCS) ₂ model compound. Russian Journal of Physical Chemistry A, 2009, 83, 951-954.	0.6	14
38	Imperfection of the nanostructure, phase transitions, ⁵⁵ Mn NMR, and magnetoresistive properties of La _{0.7} Ca _{0.3} ^x Sr _{2-x} MnO ₃ ± δ ceramics. Physics of the Solid State, 2009, 51, 1193-1203.	0.6	10
39	Anomalous magnetic susceptibility in Nd _{0.5} Sr _{0.5} MnO ₃ manganite single crystals. Technical Physics Letters, 2008, 34, 1044-1046.	0.7	2
40	Measurements of the magnetic field and temperature dependences of the critical current in YBCO films and procedures for an appropriate theoretical model selection. Superconductor Science and Technology, 2008, 21, 075015.	3.5	13
41	Pressure-Induced Magnetic Switching and Linkage Isomerism in K _{0.4} Fe ₄ [Cr(CN) ₆] _{2.8} ·16H ₂ O: X-ray Absorption and Magnetic Circular Dichroism Studies. Journal of the American Chemical Society, 2008, 130, 15519-15532.	13.7	121
42	Pressure-Tuning of Magnetism and Linkage Isomerism in Iron(II) Hexacyanochromate. Journal of the American Chemical Society, 2005, 127, 4580-4581.	13.7	185
43	Thermal effects and diamagnetic response of a current-carrying YBCO film. Physics of the Solid State, 2004, 46, 430-434.	0.6	0
44	Quantum Tunneling of Magnetization under Pressure in the High-Spin Mn ¹² Molecular System. Journal of Physical Chemistry B, 2004, 108, 16664-16669.	2.6	7
45	Surface pinning as origin of high critical current in superconducting films. Superconductor Science and Technology, 2004, 17, S520-S523.	3.5	17
46	Geometrical surface vortex pinning in superconducting films. JETP Letters, 2003, 78, 379-383.	1.4	15
47	Pressure-induced electron transfer in ferrimagnetic Prussian blue analogs. Physical Review B, 2003, 68, .	3.2	95
48	Temperature dependence of the critical current of YBCO/STO/LCMO heterostructures near T _c . Low Temperature Physics, 2003, 29, 113-116.	0.6	0
49	Electron paramagnetic resonance study of La _{0.7} Ca _{0.3} ^x Ba _x MnO ₃ lanthanum manganites. Journal of Applied Physics, 2002, 91, 7926.	2.5	14
50	Manifestation of two-dimensional behavior of YBCO films in a study of their complex susceptibility. Low Temperature Physics, 2002, 28, 377-382.	0.6	1
51	An YBCO film as a Josephson medium near T _c : Frequency and field dependences and scaling relationships. Physics of the Solid State, 2001, 43, 1603-1610.	0.6	2
52	Magnetic-field suppression of superconductivity in layered high-T _c materials. Low Temperature Physics, 1998, 24, 234-238.	0.6	0
53	³ He spin volume variations in magnetic field. Journal of Low Temperature Physics, 1994, 96, 91-99.	1.4	3