Georgiy G Levchenko

List of Publications by Year
in descending order

53	884	623734	477307
papers	citations	14 h-index	29 g-index

53	53	53	931
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pressure-Tuning of Magnetism and Linkage Isomerism in Iron(II) Hexacyanochromate. Journal of the American Chemical Society, 2005, 127, 4580-4581.	13.7	185
2	Pressure-Induced Magnetic Switching and Linkage Isomerism in K0.4Fe4[Cr(CN)6]2.8Â·16H2O: X-ray Absorption and Magnetic Circular Dichroism Studies. Journal of the American Chemical Society, 2008, 130, 15519-15532.	13.7	121
3	Pressure-induced electron transfer in ferrimagnetic Prussian blue analogs. Physical Review B, 2003, 68, .	3.2	95
4	Thermalâ€, Pressureâ€•and Lightâ€Ìnduced Spinâ€Crossover Behaviour in the Twoâ€Ðimensional Hofmannâ€Ìike Coordination Polymer [Fe(3â€Clpy)₂Pd(CN)₄]. European Journal of Inorganic Chemistry, 2013, 2013, 813-818.	2.0	35
5	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
6	Multifunctionality of lanthanumâ€“strontium manganite nanopowder. Physical Chemistry Chemical Physics, 2020, 22, 11817-11828.	2.8	28
7	Spin crossover in iron(II)-containing complex compounds under a pressure (Review Article). Low Temperature Physics, 2014, 40, 571-585.	0.6	26
8	Local structure and magnetic inhomogeneity of nano-sized La0.7Sr0.3MnO3 manganites. Journal of Applied Physics, 2011, 109, .	2.5	23
9	Pressure Effect Studies on the Spin Transition of Microporous 3D Polymer [Fe(pz)Pt(CN)₄]. Inorganic Chemistry, 2018, 57, 8458-8464.	4.0	21
10	The Effect of Pressure on the Cooperative Spin Transition in the 2D Coordination Polymer {Fe(phpy)₂[Ni(CN)₄]}. European Journal of Inorganic Chemistry, 2014, 2014, 429-433.	2.0	19
11	Smart magnetic nanopowder based on the manganite perovskite for local hyperthermia. RSC Advances, 2020, 10, 30907-30916.	3.6	19
12	Surface pinning as origin of high critical current in superconducting films. Superconductor Science and Technology, 2004, 17, S520-S523.	3.5	17
13	Electrical Voltage Control of the Pressure-Induced Spin Transition at Room Temperature in the Microporous 3D Polymer [Fe(pz)Pt(CN)₄]. Journal of Physical Chemistry C, 2019, 123, 5642-5646.	3.1	16
14	Pressure Tunable Electronic Bistability in Fe(II) Hofmann-like Two-Dimensional Coordination Polymer [Fe(Fpz)₂Pt(CN)₄]: A Comprehensive Experimental and Theoretical Study. Inorganic Chemistry, 2021, 60, 16016-16028.	4.0	16
15	Geometrical surface vortex pinning in superconducting films. JETP Letters, 2003, 78, 379-383.	1.4	15
16	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
17	Electron paramagnetic resonance study of La[sub 0.7]Ca[sub 0.3â^'x]Ba[sub x]MnO[sub 3] lanthanum manganites. Journal of Applied Physics, 2002, 91, 7926.	2.5	14
18	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

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19	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
20	Variable Cooperative Interactions in the Pressure and Thermally Induced Multistep Spin Transition in a Two-Dimensional Iron(II) Coordination Polymer. Inorganic Chemistry, 2020, 59, 10548-10556.	4.0	12
21	Critical bending and shape memory effect in magnetoactive elastomers. Smart Materials and Structures, 2021, 30, 025020.	3.5	12
22	Evidence of the Griffiths phase in multiferroic BiMnO3 and BiFe0.5Mn0.5O3 films. Low Temperature Physics, 2012, 38, 413-418.	0.6	11
23	Spin-dependent magnetism and superparamagnetic contribution to the magnetocaloric effect of non-stoichiometric manganite nanoparticles. Applied Materials Today, 2022, 26, 101340.	4.3	11
24	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
25	Spin-wave electrodynamics of the interface between a magnetoelectric multiferroic and a nonmagnetic insulator. Journal of Experimental and Theoretical Physics, 2012, 114, 474-495.	0.9	10
26	Novel Multiferroicâ€Like Nanocomposite with High Pressureâ€Modulated Magnetic and Electric Properties. Advanced Functional Materials, 2022, 32, .	14.9	8
27	Quantum Tunneling of Magnetization under Pressure in the High-Spin Mn12Molecular System. Journal of Physical Chemistry B, 2004, 108, 16664-16669.	2.6	7
28	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
29	Charge Transfer, Change of the Spin Value, and Driving of Magnetic Order by Pressure in Bimetallic Molecular Complexes. Journal of Physical Chemistry B, 2018, 122, 6846-6853.	2.6	7
30	The loss of mechanical stability and the critical magnetization of a ferromagnetic particle in an elastomer. Soft Matter, 2019, 15, 5987-5994.	2.7	7
31	Anomalous magnetorheological effect in unstructured magnetoisotropic magnetoactive elastomers. Applied Physics Letters, 2020, 116, .	3.3	7
32	Antiferromagnet with an antisymmetry center in an external static magnetic field as a left-handed medium. JETP Letters, 2010, 92, 511-515.	1.4	5
33	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
34	Anomalous behavior of bending deformation induced by a magnetic field in a system of ferromagnetic stripes located on an elastomer. Smart Materials and Structures, 2019, 28, 125013.	3.5	5
35	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
36	3He spin volume variations in magnetic field. Journal of Low Temperature Physics, 1994, 96, 91-99.	1.4	3

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37	Phase separation in strained cation- and anion-deficient Nd0.52Sr0.48MnO3 films. Technical Physics, 2011, 56, 1475-1486.	0.7	3
38	Properties of evanescent waves in polarized media in a constant external electric field: II. The noncompensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 69	0.6	3
39	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
40	Properties of evanescent waves in polarized media in a constant external electric field: I. The compensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td	0.6	3
41	Structure imperfection and dielectric properties of single-phase multifferoic Bi1-xLaxFeO3-Î´. , 2016, , .		3
42	The average value of the spin squared operator as an order parameter for spin phase transitions without spontaneous lowering of symmetry. Journal of Physics Communications, 2020, 4, 095024.	1.2	3
43	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
44	Anomalous magnetic susceptibility in Nd0.5Sr0.5MnO3 manganite single crystals. Technical Physics Letters, 2008, 34, 1044-1046.	0.7	2
45	Refraction of s- and p-polarized electromagnetic waves at the interface between a nonmagnetic insulator and an easy-axis centroantisymmetric antiferromagnet. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 713-717.	0.6	2
46	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
47	Peculiarities of the resonant transmission of a TM (TE) wave through an antiferromagnet plate in crossed dc magnetic and electric fields. Low Temperature Physics, 2014, 40, 49-57.	0.6	1
48	The role of anharmonicity in the systems with spin crossover. Low Temperature Physics, 2016, 42, 505-512.	0.6	1
49	Morphology and Functional Properties of Magnetic Nanoparticles of Lanthanum-Strontium Manganites. , 2019, , .		1
50	Magnetic-field suppression of superconductivity in layered high-Tc materials. Low Temperature Physics, 1998, 24, 234-238.	0.6	0
51	Temperature dependence of the critical current of YBCOâ€“STOâ€“LCMO heterostructures near Tc. Low Temperature Physics, 2003, 29, 113-116.	0.6	0
52	Thermal effects and diamagnetic response of a current-carrying YBCO film. Physics of the Solid State, 2004, 46, 430-434.	0.6	0
53	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer {Fe[bipy(ttr)2]}n. , 2021, , .		0