Svetlana A Gudkova

List of Publications by Year
in descending order

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55 papers	2,180 citations	236925 25 h-index	223800 46 g-index
59 all docs	59 docs citations	59 times ranked	1709 citing authors

#	Article	IF	Citations
1	Polarization origin and iron positions in indium doped barium hexaferrites. Ceramics International, 2018, 44, 290-300.	4.8	240
2	Preparation and investigation of structure, magnetic and dielectric properties of (BaFe11.9Al0.1O19)1- -(BaTiO3) bicomponent ceramics. Ceramics International, 2018, 44, 21295-21302.	4.8	130
3	Magnetic and dipole moments in indium doped barium hexaferrites. Journal of Magnetism and Magnetic Materials, 2018, 457, 83-96.	2.3	113
4	Electromagnetic properties of BaFe12O19:Ti at centimeter wavelengths. Journal of Alloys and Compounds, 2018, 755, 177-183.	5.5	105
5	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. Journal of Materials Chemistry C, 2021, 9, 5425-5436.	5.5	101
6	Temperature evolution of the structure parameters and exchange interactions in BaFe12â^'xInxO19. Journal of Magnetism and Magnetic Materials, 2018, 466, 393-405.	2.3	98
7	Flux Crystal Growth and the Electronic Structure of BaFe₁₂O₁₉ Hexaferrite. Journal of Physical Chemistry C, 2016, 120, 5114-5123.	3.1	96
8	Anomalies in Ni-Fe nanogranular films growth. Journal of Alloys and Compounds, 2018, 748, 970-978.	5.5	93
9	Effect of treatment conditions on structure and magnetodielectric properties of barium hexaferrites. Journal of Magnetism and Magnetic Materials, 2020, 498, 166190.	2.3	80
10	Measurement of permittivity and permeability of barium hexaferrite. Journal of Magnetism and Magnetic Materials, 2018, 465, 290-294.	2.3	72
11	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. Nanomaterials, 2020, 10, 1077.	4.1	72
12	Growth, structural and magnetic characterization of Co- and Ni-substituted barium hexaferrite single crystals. Journal of Alloys and Compounds, 2015, 628, 480-484.	5.5	68
13	High-entropy oxide phases with magnetoplumbite structure. Ceramics International, 2019, 45, 12942-12948.	4.8	64
14	Three Oxidation States of Manganese in the Barium Hexaferrite BaFe_{12â€“x}Mn_xO₁₉. Inorganic Chemistry, 2017, 56, 3861-3866.	4.0	57
15	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites BaFe12â^'xTixO19. Journal of Magnetism and Magnetic Materials, 2020, 498, 166117.	2.3	53
16	Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. Journal of the European Ceramic Society, 2020, 40, 4022-4028.	5.7	52
17	Synthesis of biocompatible surfaces by nanotechnology methods. Nanotechnologies in Russia, 2010, 5, 696-708.	0.7	42
18	Magnetic and Structural Properties of Barium Hexaferrite BaFe12O19 from Various Growth Techniques. Materials, 2017, 10, 578.	2.9	41

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19	High Entropy Oxide Phases with Perovskite Structure. Nanomaterials, 2020, 10, 268.	4.1	41
20	Growth, structural and magnetic characterization of Zn-substituted barium hexaferrite single crystals. Materials Chemistry and Physics, 2015, 163, 416-420.	4.0	40
21	Structural and millimeter-wave characterization of flux grown Al substituted barium hexaferrite single crystals. Ceramics International, 2015, 41, 12728-12733.	4.8	39
22	Cu-substituted barium hexaferrite crystal growth and characterization. Ceramics International, 2015, 41, 9172-9176.	4.8	36
23	Correlation between bioactivity and structural properties of titanium dioxide coatings grown by atomic layer deposition. Applied Surface Science, 2012, 258, 3415-3419.	6.1	35
24	Structural properties of the titanium dioxide thin films grown by atomic layer deposition at various numbers of reaction cycles. Applied Surface Science, 2010, 257, 186-191.	6.1	33
25	Tungsten substituted BaFe12O19 single crystal growth and characterization. Materials Chemistry and Physics, 2015, 155, 99-103.	4.0	26
26	The new extremely substituted high entropy (Ba,Sr,Ca,La)Fe6-x(Al,Ti,Cr,Ga,In,Cu,W)xO19 microcrystals with magnetoplumbite structure. Ceramics International, 2020, 46, 9656-9660.	4.8	24
27	Sub-lattice of Jahn-Teller centers in hexaferrite crystal. Scientific Reports, 2020, 10, 7076.	3.3	24
28	Polysubstituted High-Entropy [LaNd](Cr0.2Mn0.2Fe0.2Co0.2Ni0.2)O3 Perovskites: Correlation of the Electrical and Magnetic Properties. Nanomaterials, 2021, 11, 1014.	4.1	24
29	Influence of chemical substitution on broadband dielectric response of barium-lead M-type hexaferrite. New Journal of Physics, 2019, 21, 063016.	2.9	23
30	Extremely Polysubstituted Magnetic Material Based on Magnetoplumbite with a Hexagonal Structure: Synthesis, Structure, Properties, Prospects. Nanomaterials, 2019, 9, 559.	4.1	22
31	Structural and electrical properties of TixAl1â^'xOy thin films grown by atomic layer deposition. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 01A302.	1.2	20
32	Flux single crystal growth of M-type strontium hexaferrite SrFe12O19 by spontaneous crystallization. Journal of Magnetism and Magnetic Materials, 2019, 470, 97-100.	2.3	20
33	Millimeter-wave characterization of aluminum substituted barium lead hexaferrite single crystals grown from PbOâ€“B2O3 flux. Ceramics International, 2017, 43, 15800-15804.	4.8	18
34	Morphology and magnetic properties of pressed barium hexaferrite BaFe12O19 materials. Journal of Magnetism and Magnetic Materials, 2018, 459, 131-135.	2.3	18
35	Preparation and investigation of the magnetoelectric properties in layered cermet structures. Ceramics International, 2019, 45, 13030-13036.	4.8	16
36	Terahertz-infrared spectroscopy of Ti4+-doped M-type barium hexaferrite. Journal of Alloys and Compounds, 2020, 820, 153398.	5.5	15

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37	A-Site Cation Size Effect on Structure and Magnetic Properties of Sm(Eu,Gd)Cr0.2Mn0.2Fe0.2Co0.2Ni0.2O3 High-Entropy Solid Solutions. Nanomaterials, 2022, 12, 36.	4.1	15
38	Growth of Lead and Aluminum Substituted Barium Hexaferrite Single Crystals from Lead Oxide Flux. Materials Science Forum, 2016, 843, 3-9.	0.3	13
39	Magnetotransport properties and phase separation in iron substituted lanthanum-calcium manganite. Materials Research Express, 2018, 5, 086108.	1.6	13
40	Broadband impedance spectroscopic characterization of PbTiO3 crystal grown by spontaneous crystallization from molten oxides. Ceramics International, 2016, 42, 10787-10792.	4.8	12
41	Synthesis, structure and properties of barium and barium lead hexaferrite. Journal of Magnetism and Magnetic Materials, 2019, 470, 101-104.	2.3	9
42	Electrical properties of quaternary HfAlTiO thin films grown by atomic layer deposition. Thin Solid Films, 2012, 520, 4547-4550.	1.8	7
43	Terahertz-infrared electrodynamics of lead-doped single crystalline Bal-<inf>x</inf>Pb<inf>x</inf>Fel2019 M-type hexagonal ferrite. , 2018, , .		4
44	Investigation of Barium Hexaferrite BaFe₁₂O₁₉ Electro Physical Parameters Using Open-Ended Coaxial Probe Method. Solid State Phenomena, 2017, 265, 834-838.	0.3	2
45	Millimetre-wave isolator based on Al substituted Ba ferrite. Journal of Physics: Conference Series, 2016, 769, 012091.	0.4	1
46	Barium Hexaferrite Single Crystal Growth Using PbO and Na₂O Based Flux. Materials Science Forum, 2016, 870, 66-69.	0.3	1
47	The Thermal Expansion of Solid State BaFe₁₂O₁₉ and Flux Ba_{0.8}Pb_{0.2}Fe₁₂O₁₉ Pellets. Solid State Phenomena, 0, 265, 906-910.	0.3	1
48	Polar soft mode in titanium-doped single crystalline BaFe12-<inf>x</inf>Ti<inf>x</inf>0<inf>19</inf> M-type hexaferrite. , 2018, , .		1
49	New high-entropy oxide phases with the perovskite structure. IOP Conference Series: Materials Science and Engineering, 2021, 1014, 012060.	0.6	1
50	New high-entropy oxide phases with the magnetoplumbite structure. IOP Conference Series: Materials Science and Engineering, 2021, 1014, 012062.	0.6	1
51	Single Silicon Field Emitter with High Aspect Ratio. , 2006, , .		0
52	Influence of synchrotron radiation on morphological features of a polymethylmetacrilate thin film. Journal of Surface Investigation, 2010, 4, 572-575.	0.5	0
53	Bi-relaxor behavior and Fe²⁺fine structure in single crystalline Ba<inf>0.3</inf>Pb<inf>0</inf>.<inf>7</inf>Fe<inf>12</inf>O<inf>19</inf>M-type hexaferrite. , 2018, , .		0
54	Powder Diffraction and Dilatometric Study of SrFe₁₂O₁₉. Materials Science Forum, 0, 946, 336-340.	0.3	0

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55	Terahertz-infrared spectroscopy of single crystalline m-type hexaferrite BaTi_xFe_{12-x}O₁₉. Journal of Physics: Conference Series, 2019, 1389, 012038.	0.4	0