

Svetlana A Gudkova

List of Publications by Year in descending order

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Version: 2024-02-01

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	A-Site Cation Size Effect on Structure and Magnetic Properties of Sm(Eu,Gd)Cr _{0.2} Mn _{0.2} Fe _{0.2} Co _{0.2} Ni _{0.2} O ₃ High-Entropy Solid Solutions. <i>Nanomaterials</i> , 2022, 12, 36.	4.1	15
2	New high-entropy oxide phases with the perovskite structure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1014, 012060.	0.6	1
3	Polysubstituted High-Entropy [LaNd](Cr _{0.2} Mn _{0.2} Fe _{0.2} Co _{0.2} Ni _{0.2})O ₃ Perovskites: Correlation of the Electrical and Magnetic Properties. <i>Nanomaterials</i> , 2021, 11, 1014.	4.1	24
4	New high-entropy oxide phases with the magnetoplumbite structure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1014, 012062.	0.6	1
5	Ni substitution effect on the structure, magnetization, resistivity and permeability of zinc ferrites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5425-5436.	5.5	101
6	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites BaFe ₁₂ xTi _x O ₁₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166117.	2.3	53
7	The new extremely substituted high entropy (Ba,Sr,Ca,La)Fe _{6-x} (Al,Ti,Cr,Ga,In,Cu,W) _x O ₁₉ microcrystals with magnetoplumbite structure. <i>Ceramics International</i> , 2020, 46, 9656-9660.	4.8	24
8	Terahertz-infrared spectroscopy of Ti ⁴⁺ -doped M-type barium hexaferrite. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153398.	5.5	15
9	Effect of treatment conditions on structure and magnetodielectric properties of barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166190.	2.3	80
10	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. <i>Nanomaterials</i> , 2020, 10, 1077.	4.1	72
11	Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4022-4028.	5.7	52
12	High Entropy Oxide Phases with Perovskite Structure. <i>Nanomaterials</i> , 2020, 10, 268.	4.1	41
13	Sub-lattice of Jahn-Teller centers in hexaferrite crystal. <i>Scientific Reports</i> , 2020, 10, 7076.	3.3	24
14	Influence of chemical substitution on broadband dielectric response of barium-lead M-type hexaferrite. <i>New Journal of Physics</i> , 2019, 21, 063016.	2.9	23
15	Extremely Polysubstituted Magnetic Material Based on Magnetoplumbite with a Hexagonal Structure: Synthesis, Structure, Properties, Prospects. <i>Nanomaterials</i> , 2019, 9, 559.	4.1	22
16	High-entropy oxide phases with magnetoplumbite structure. <i>Ceramics International</i> , 2019, 45, 12942-12948.	4.8	64
17	Preparation and investigation of the magnetoelectric properties in layered cermet structures. <i>Ceramics International</i> , 2019, 45, 13030-13036.	4.8	16
18	Terahertz-infrared spectroscopy of single crystalline m-type hexaferrite BaTi _x Fe _{12-x} O ₁₉ . <i>Journal of Physics: Conference Series</i> , 2019, 1389, 012038.	0.4	0

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19	Synthesis, structure and properties of barium and barium lead hexaferrite. Journal of Magnetism and Magnetic Materials, 2019, 470, 101-104.	2.3	9
20	Flux single crystal growth of M-type strontium hexaferrite SrFe ₁₂ O ₁₉ by spontaneous crystallization. Journal of Magnetism and Magnetic Materials, 2019, 470, 97-100.	2.3	20
21	Magnetic and dipole moments in indium doped barium hexaferrites. Journal of Magnetism and Magnetic Materials, 2018, 457, 83-96.	2.3	113
22	Electromagnetic properties of BaFe ₁₂ O ₁₉ :Ti at centimeter wavelengths. Journal of Alloys and Compounds, 2018, 755, 177-183.	5.5	105
23	Anomalies in Ni-Fe nanogranular films growth. Journal of Alloys and Compounds, 2018, 748, 970-978.	5.5	93
24	Polarization origin and iron positions in indium doped barium hexaferrites. Ceramics International, 2018, 44, 290-300.	4.8	240
25	Morphology and magnetic properties of pressed barium hexaferrite BaFe ₁₂ O ₁₉ materials. Journal of Magnetism and Magnetic Materials, 2018, 459, 131-135.	2.3	18
26	Polar soft mode in titanium-doped single crystalline BaFe _{12-x} Ti _x O ₁₉ M-type hexaferrite. , 2018, , .		1
27	Bi-relaxor behavior and Fe ²⁺ fine structure in single crystalline Ba _{0.3} Pb _{0.7} Fe ₁₂ O ₁₉ M-type hexaferrite. , 2018, , .		
28	Terahertz-infrared electrodynamics of lead-doped single crystalline Ba _x Pb _x Fe ₁₂ O ₁₉ M-type hexagonal ferrite. , 2018, , .		4
29	Measurement of permittivity and permeability of barium hexaferrite. Journal of Magnetism and Magnetic Materials, 2018, 465, 290-294.	2.3	72
30	Magnetotransport properties and phase separation in iron substituted lanthanum-calcium manganite. Materials Research Express, 2018, 5, 086108.	1.6	13
31	Temperature evolution of the structure parameters and exchange interactions in BaFe _{12-x} Ln _x O ₁₉ . Journal of Magnetism and Magnetic Materials, 2018, 466, 393-405.	2.3	98
32	Preparation and investigation of structure, magnetic and dielectric properties of (BaFe _{11.9} Al _{0.1} O ₁₉) _{1-x} (BaTiO ₃) _x bicomponent ceramics. Ceramics International, 2018, 44, 21295-21302.	4.8	130
33	Three Oxidation States of Manganese in the Barium Hexaferrite BaFe _{12-x} Mn _x O ₁₉ . Inorganic Chemistry, 2017, 56, 3861-3866.	4.0	57
34	Investigation of Barium Hexaferrite BaFe ₁₂ O ₁₉ Electro Physical Parameters Using Open-Ended Coaxial Probe Method. Solid State Phenomena, 2017, 265, 834-838.	0.3	2
35	Millimeter-wave characterization of aluminum substituted barium lead hexaferrite single crystals grown from PbO-B ₂ O ₃ flux. Ceramics International, 2017, 43, 15800-15804.	4.8	18
36	Magnetic and Structural Properties of Barium Hexaferrite BaFe ₁₂ O ₁₉ from Various Growth Techniques. Materials, 2017, 10, 578.	2.9	41

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37	Millimetre-wave isolator based on Al substituted Ba ferrite. Journal of Physics: Conference Series, 2016, 769, 012091.	0.4	1
38	Broadband impedance spectroscopic characterization of PbTiO ₃ crystal grown by spontaneous crystallization from molten oxides. Ceramics International, 2016, 42, 10787-10792.	4.8	12
39	Barium Hexaferrite Single Crystal Growth Using PbO and Na ₂ O Based Flux. Materials Science Forum, 2016, 870, 66-69.	0.3	1
40	Flux Crystal Growth and the Electronic Structure of BaFe ₁₂ O ₁₉ Hexaferrite. Journal of Physical Chemistry C, 2016, 120, 5114-5123.	3.1	96
41	Growth of Lead and Aluminum Substituted Barium Hexaferrite Single Crystals from Lead Oxide Flux. Materials Science Forum, 2016, 843, 3-9.	0.3	13
42	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
43	Tungsten substituted BaFe ₁₂ O ₁₉ single crystal growth and characterization. Materials Chemistry and Physics, 2015, 155, 99-103.	4.0	26
44	Growth, structural and magnetic characterization of Zn-substituted barium hexaferrite single crystals. Materials Chemistry and Physics, 2015, 163, 416-420.	4.0	40
45	Structural and millimeter-wave characterization of flux grown Al substituted barium hexaferrite single crystals. Ceramics International, 2015, 41, 12728-12733.	4.8	39
46	Cu-substituted barium hexaferrite crystal growth and characterization. Ceramics International, 2015, 41, 9172-9176.	4.8	36
47	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
48	Electrical properties of quaternary HfAlTiO thin films grown by atomic layer deposition. Thin Solid Films, 2012, 520, 4547-4550.	1.8	7
49	Structural and electrical properties of Ti _x Al _{1-x} O _y thin films grown by atomic layer deposition. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 01A302.	1.2	20
50	Influence of synchrotron radiation on morphological features of a polymethylmetacrilate thin film. Journal of Surface Investigation, 2010, 4, 572-575.	0.5	0
51	Synthesis of biocompatible surfaces by nanotechnology methods. Nanotechnologies in Russia, 2010, 5, 696-708.	0.7	42
52	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
53	Single Silicon Field Emitter with High Aspect Ratio. , 2006, , .		0
54	The Thermal Expansion of Solid State BaFe ₁₂ O ₁₉ and Flux Ba _{0.8} Pb _{0.2} Fe ₁₂ O ₁₉ Pellets. Solid State Phenomena, 0, 265, 906-910.		1

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55	Powder Diffraction and Dilatometric Study of SrFe ₁₂ O ₁₉ , Materials Science Forum, 0, 946, 336-340.	0.3	0