

Olga Gajtko

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

290
citations

933447

10
h-index

1058476

14
g-index

37
all docs

37
docs citations

37
times ranked

274
citing authors

#	ARTICLE	IF	CITATIONS
1	High electrorheological effect in Bi _{1.8} Fe _{1.2} SbO ₇ suspensions. Powder Technology, 2020, 360, 96-103.	4.2	11
2	Synthesis, structural feature and properties of rosiait structure compound BiGeSbO ₆ . Ceramics International, 2020, 46, 7413-7420.	4.8	5
3	Electrorheological Fluids Based on Bismuth Ferrites BiFeO ₃ and Bi ₂ Fe ₄ O ₉ . Russian Journal of Inorganic Chemistry, 2020, 65, 1253-1263.	1.3	2
4	Spectral and luminescent characteristics of La _{1-x} Pr _x Ga _{0.5} Sb _{1.5} O ₆ , Bi _{1-x} Pr _x Ge _{0.5} Sb _{1.5} O ₆ (x = 0 - 0.5) solid solutions. AIP Conference Proceedings, 2020, , .	0.4	0
5	Crystalline WO ₃ nanoparticles for NO ₂ sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.8	10
6	Electrorheological Properties of Bi ₂ O ₃ and Bi ₂ O ₂ CO ₃ . Inorganic Materials, 2019, 55, 344-354.	0.8	3
7	Synthesis and spectral-luminescent properties of La _{1-x} Pr _x Ga _{0.5} Sb _{1.5} O ₆ solid solutions. Ceramics International, 2019, 45, 16886-16892.	4.8	8
8	Microwave-Assisted Hydrothermal Synthesis of Bi ₆ (NO ₃) ₂ O ₇ (OH) ₂ and Its Photocatalytic Properties. Russian Journal of Inorganic Chemistry, 2019, 64, 13-17.	1.3	4
9	(Ln _{1.8} Fe _{0.2})FeSbO ₇ (Ln = Pr, Tb) Mixed Oxides with the Pyrochlore Structure in CO Oxidation Reaction. Inorganic Materials, 2019, 55, 1257-1263.	0.8	5
10	Microwave-Assisted Self-Propagating High-Temperature Synthesis of Fine-Particle Bi ₄ Ge ₃ O ₁₂ . Inorganic Materials, 2019, 55, 1250-1256.	0.8	5
11	Complex Rare-Earth Tantalates with Pyrochlore-Like Structure: Synthesis, Structure, and Thermal Properties. Russian Journal of Inorganic Chemistry, 2019, 64, 1342-1353.	1.3	9
12	Synthesis and characterization of new isostructural series LnFe _{0.5} Sb _{1.5} O ₆ (Ln = La-Sm) exhibiting high catalytic activity in CO oxidation. Journal of Alloys and Compounds, 2019, 777, 655-662.	5.5	15
13	Highly frustrated Bi-Cr-Sb-O pyrochlore with spin-glass transition. Journal of Magnetism and Magnetic Materials, 2018, 463, 13-18.	2.3	5
14	Synthesis of Fine-Particle Bismuth Orthogermanate in a NaCl/KCl Melt. Inorganic Materials, 2018, 54, 616-620.	0.8	6
15	Complex dependence of magnetic properties on Mn concentration in Bi-Mn-Sb-O pyrochlores. Journal of Alloys and Compounds, 2017, 718, 311-318.	5.5	7
16	Synthesis of nanocrystalline BiSbO ₄ . Russian Journal of Inorganic Chemistry, 2017, 62, 1155-1161.	1.3	2
17	Fluorination of Bi _{1.8} Fe _{1.2} SbO ₇ pyrochlore solid solutions. Inorganic Materials, 2017, 53, 962-968.	0.8	3
18	Optical and vibrational spectra of Bi _{1.8} Fe _{1.2} (1-x)Ga _{1.2x} SbO ₇ solid solutions with pyrochlore-type structure. Russian Journal of Inorganic Chemistry, 2017, 62, 960-963.	1.3	1

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19	Targeted synthesis ultrafine Bi^{2+} - and Bi^{3+} - Bi_2O_3 having different morphologies. Russian Journal of Inorganic Chemistry, 2017, 62, 1426-1434.	1.3	12
20	Isomorphism in the $\text{Bi}_{1.8}\text{Fe}_{1.2}(1-x)\text{Ga}_{1.2}\text{Sb}_x\text{O}_7$ pyrochlores with spin glass transition. Journal of Alloys and Compounds, 2016, 688, 1-7.	5.5	8
21	Broadband white radiation in Yb^{3+} - and Er^{3+} -doped nanocrystalline powders of yttrium orthophosphates irradiated by 972-nm laser radiation. JETP Letters, 2016, 103, 302-308.	1.4	13
22	Subsolidus phase equilibria in the $\text{La}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-Sb}_2\text{O}_5$ system and characterization of layered ternary oxide $\text{LaFe}_{0.5}\text{Sb}_{1.5}\text{O}_6$. Ceramics International, 2016, 42, 13976-13982.	4.8	10
23	Features of the interaction of near-infrared laser radiation with Yb -doped dielectric nanoparticles. JETP Letters, 2016, 103, 743-751.	1.4	9
24	Magnetic properties of $\text{Pr}_{2-x}\text{Fe}_x\text{SbO}_7$ and $\text{Bi}_{2-x}\text{Ln}_x\text{FeSbO}_7$ ($\text{Ln} = \text{La}, \text{Pr}$) pyrochlore solid solutions. Inorganic Materials, 2016, 52, 1035-1044.	0.8	5
25	Synthesis of Bi-Fe-Sb-O Pyrochlore Nanoparticles with Visible-Light Photocatalytic Activity. European Journal of Inorganic Chemistry, 2016, 2016, 2193-2199.	2.0	10
26	Synthesis of nanocrystalline ternary bismuth iron antimony oxide with pyrochlore structure. Russian Journal of Inorganic Chemistry, 2015, 60, 1179-1183.	1.3	6
27	Crystallization in the $\text{Bi}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-NaOH}$ system upon microwave-assisted hydrothermal synthesis. Russian Journal of Inorganic Chemistry, 2015, 60, 1304-1310.	1.3	4
28	New complex bismuth oxides in the $\text{Bi}_2\text{O}_3\text{-NiO-Sb}_2\text{O}_5$ system and their properties. Journal of Solid State Chemistry, 2015, 225, 97-104.	2.9	14
29	The $\text{Bi}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-Sb}_2\text{O}_5$ system phase diagram refinement, $\text{Bi}_3\text{FeSb}_2\text{O}_{11}$ structure peculiarities and magnetic properties. Journal of Solid State Chemistry, 2015, 225, 278-284.	2.9	10
30	Phase composition and morphology of nanoparticles of yttrium orthophosphates synthesized by microwave-hydrothermal treatment: The influence of synthetic conditions. Journal of Alloys and Compounds, 2015, 639, 415-421.	5.5	39
31	Synthesis, spectroscopic and luminescent properties of nanosized powders of yttrium phosphates doped with Er^{3+} ions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	11
32	Vacuum ultraviolet spectroscopic analysis of Ce^{3+} -doped hexagonal $\text{YPO}_4 \cdot 0.8\text{H}_2\text{O}$ based on exchange charge model. Journal of Luminescence, 2014, 152, 70-74.	3.1	15
33	Nanosecond fluctuation kinetics of luminescence hopping quenching originated from the $5d_1$ level in the $\text{Ce}^{3+}:\text{YPO}_4 \cdot 0.8\text{H}_2\text{O}$ nanocrystals. Journal of Luminescence, 2014, 145, 774-778.	3.1	6
34	Effect of synthesis conditions of the micro- and mesostructure of monodisperse $\text{Y}(\text{OH})\text{CO}_3$ powders. Doklady Chemistry, 2012, 446, 207-211.	0.9	2
35	Microwave hydrothermal synthesis of nanodispersed $\text{Y}_{1-x}\text{P}_x\text{O}_4:\text{Eu}$ powders. Doklady Chemistry, 2011, 441, 325-329.	0.9	12
36	Microwave synthesis of monodisperse luminescent $\text{Y}_2-x\text{Eu}_x\text{O}_3$ powders with spherical particles of predetermined size. Doklady Chemistry, 2010, 435, 289-293.	0.9	3

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37	One-step synthesis of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+z}$ by microwave decomposition of stoichiometric nitrate mixtures. Doklady Chemistry, 2009, 429, 255-257.	0.9	0