Olga Gajtko

List of Publications by Year in descending order

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	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
2	Vacuum ultraviolet spectroscopic analysis of Ce3+-doped hexagonal YPO4Â·0.8H2O based on exchange charge model. Journal of Luminescence, 2014, 152, 70-74.	3.1	15
3	Synthesis and characterization of new isostructural series LnFe0.5Sb1.5O6 (LnÂ= La-Sm) exhibiting high catalytic activity in CO oxidation. Journal of Alloys and Compounds, 2019, 777, 655-662.	5.5	15
4	New complex bismuth oxides in the Bi2O3â€“NiOâ€“Sb2O5 system and their properties. Journal of Solid State Chemistry, 2015, 225, 97-104.	2.9	14
5	Broadband white radiation in Yb3+- and Er3+-doped nanocrystalline powders of yttrium orthophosphates irradiated by 972-nm laser radiation. JETP Letters, 2016, 103, 302-308.	1.4	13
6	Microwave hydrothermal synthesis of nanodispersed YV1 â^' x P x O4:Eu powders. Doklady Chemistry, 2011, 441, 325-329.	0.9	12
7	Targeted synthesis ultrafine Î±- and Î³-Bi2O3 having different morphologies. Russian Journal of Inorganic Chemistry, 2017, 62, 1426-1434.	1.3	12
8	Synthesis, spectroscopic and luminescent properties of nanosized powders of yttrium phosphates doped with Er3+ ions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	11
9	High electrorheological effect in Bi1.8Fe1.2SbO7 suspensions. Powder Technology, 2020, 360, 96-103.	4.2	11
10	The Bi2O3â€“Fe2O3â€“Sb2O5 system phase diagram refinement, Bi3FeSb2O11 structure peculiarities and magnetic properties. Journal of Solid State Chemistry, 2015, 225, 278-284.	2.9	10
11	Subsolidus phase equilibria in the La2O3â€“Fe2O3â€“Sb2O5 system and characterization of layered ternary oxide LaFe0.5Sb1.5O6. Ceramics International, 2016, 42, 13976-13982.	4.8	10
12	Synthesis of Biâ€“Feâ€“Sbâ€“O Pyrochlore Nanoparticles with Visibleâ€Light Photocatalytic Activity. European Journal of Inorganic Chemistry, 2016, 2016, 2193-2199.	2.0	10
13	Crystalline WO3 nanoparticles for No2 sensing. Processing and Application of Ceramics, 2020, 14, 282-292.	0.8	10
14	Features of the interaction of near-infrared laser radiation with Yb-doped dielectric nanoparticles. JETP Letters, 2016, 103, 743-751.	1.4	9
15	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
16	Isomorphism in the Bi1.8Fe1.2(1â^'x)Ga1.2xSbO7 pyrochlores with spin glass transition. Journal of Alloys and Compounds, 2016, 688, 1-7.	5.5	8
17	Synthesis and spectral-luminescent properties of La1-xPrxGa0.5Sb1.5O6 solid solutions. Ceramics International, 2019, 45, 16886-16892.	4.8	8
18	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

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19	Nanosecond fluctuation kinetics of luminescence hopping quenching originated from the 5d1 level in the Ce3+:YPO4Â·0.8H2O nanocrystals. Journal of Luminescence, 2014, 145, 774-778.	3.1	6
20	Synthesis of nanocrystalline ternary bismuth iron antimony oxide with pyrochlore structure. Russian Journal of Inorganic Chemistry, 2015, 60, 1179-1183.	1.3	6
21	Synthesis of Fine-Particle Bismuth Orthogermanate in a NaCl/KCl Melt. Inorganic Materials, 2018, 54, 616-620.	0.8	6
22	Magnetic properties of Pr2â€“x Fe1 + x SbO7 and Bi2â€“x Ln x FeSbO7 (Ln = La, Pr) pyrochlore solid solutions. Inorganic Materials, 2016, 52, 1035-1044.	0.8	5
23	Highly frustrated Bi-Cr-Sb-O pyrochlore with spin-glass transition. Journal of Magnetism and Magnetic Materials, 2018, 463, 13-18.	2.3	5
24	(Ln1.8Fe0.2)FeSbO7 (Ln = Prâ€“Tb) Mixed Oxides with the Pyrochlore Structure in CO Oxidation Reaction. Inorganic Materials, 2019, 55, 1257-1263.	0.8	5
25	Microwave-Assisted Self-Propagating High-Temperature Synthesis of Fine-Particle Bi4Ge3O12. Inorganic Materials, 2019, 55, 1250-1256.	0.8	5
26	Synthesis, structural feature and properties of rosiait structure compound BiGeSbO6. Ceramics International, 2020, 46, 7413-7420.	4.8	5
27	Crystallization in the Bi2O3-Fe2O3-NaOH system upon microwave-assisted hydrothermal synthesis. Russian Journal of Inorganic Chemistry, 2015, 60, 1304-1310.	1.3	4
28	Microwave-Assisted Hydrothermal Synthesis of Bi6(NO3)2O7(OH)2 and Its Photocatalytic Properties. Russian Journal of Inorganic Chemistry, 2019, 64, 13-17.	1.3	4
29	Microwave synthesis of monodisperse luminescent Y2 â˜ x Eu x O3 powders with spherical particles of predetermined size. Doklady Chemistry, 2010, 435, 289-293.	0.9	3
30	Fluorination of Bi1.8Fe1.2SbO7 pyrochlore solid solutions. Inorganic Materials, 2017, 53, 962-968.	0.8	3
31	Electrorheological Properties of Î±-Bi2O3 and Bi2O2CO3. Inorganic Materials, 2019, 55, 344-354.	0.8	3
32	Effect of synthesis conditions of the micro- and mesostructure of monodisperse Y(OH)CO3 powders. Doklady Chemistry, 2012, 446, 207-211.	0.9	2
33	Synthesis of nanocrystalline BiSbO4. Russian Journal of Inorganic Chemistry, 2017, 62, 1155-1161.	1.3	2
34	Electrorheological Fluids Based on Bismuth Ferrites BiFeO3 and Bi2Fe4O9. Russian Journal of Inorganic Chemistry, 2020, 65, 1253-1263.	1.3	2
35	Optical and vibrational spectra of Bi1.8Fe1.2(1 â€“ x)Ga1.2x SbO7 solid solutions with pyrochlore-type structure. Russian Journal of Inorganic Chemistry, 2017, 62, 960-963.	1.3	1
36	One-step synthesis of Bi2Sr2CaCu2O8 + z by microwave decomposition of stoichiometric nitrate mixtures. Doklady Chemistry, 2009, 429, 255-257.	0.9	0

#	Article	IF	Citations
37	Spectral and luminescent characteristics of La1-xPrxGa0.5Sb1.5O6, Bi1-xPrxGe0.5Sb1.5O6 (x = 0 - 0.5) solid solutions. AIP Conference Proceedings, 2020, , .	0.4	0