

Tatiana Gavrilova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of titanium substitution and temperature variation on structure and magnetic state of barium hexaferrites. <i>Journal of Alloys and Compounds</i> , 2021, 859, 158365.	5.5	61
2	Magnetic properties of ludwigite $Mn_{2.25}Co_{0.75}BO_5$. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109695.	4.0	11
3	Magnetic properties and vanadium oxidation state in $\hat{I}\pm-Li_3V_2(PO_4)_3/C$ composite: Magnetization and ESR measurements. <i>Solid State Communications</i> , 2021, 323, 114108.	1.9	8
4	Magnetic Properties of $Li_3V_2(PO_4)_3/Li_3PO_4$ Composite. <i>Magnetochemistry</i> , 2021, 7, 64.	2.4	5
5	Iron oxidation state in $La_{0.7}Sr_{1.3}Fe_{0.7}Ti_{0.3}O_4$ and $La_{0.5}Sr_{1.5}Fe_{0.5}Ti_{0.5}O_4$ layered perovskites: Magnetic properties. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 109994.	4.0	4
6	Structure, magnetic and thermodynamic properties of heterometallic ludwigites: Cu_2GaBO_5 and Cu_2AlBO_5 . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 515, 167262.	2.3	7
7	Formation of Pores in Thin Germanium Films under Implantation by Ge^+ Ions. <i>Technical Physics Letters</i> , 2020, 46, 707-709.	0.7	2
8	Analysis of nanostructured cobalt ion beam-modified Ge surface for high capacity Li-ion battery anodes by X-ray photoelectron spectroscopy. <i>Journal of Physics: Conference Series</i> , 2020, 1588, 012024.	0.4	0
9	Flux crystal growth of Cu_2GaBO_5 and Cu_2AlBO_5 . <i>Journal of Crystal Growth</i> , 2020, 545, 125723.	1.5	8
10	Synthesis, structure, magnetic behavior and dielectric relaxation of the $LaxSr_{2-x}Fe_{\tilde{N}}Ti_{1-\tilde{N}}O_4$ ($\tilde{N} \in \{0.5, 0.7\}$) oxide ceramic. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121687.	2.9	5
11	Investigation of the Magnetic Properties of Ludwigites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 912-914.	0.6	2
12	Investigation of the Magnetic Properties of Warwickite $Mn_{0.89}Mg_{1.11}BO_4$. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 792-794.	0.6	0
13	Observation of $\hat{I}\mu - Fe_2O_3$ nanoparticles precipitated in potassium aluminoborate glasses doped with $4 \hat{I}\text{mol} \% Fe_2O_3$. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 133, 7-14.	4.0	2
14	Magnetic, Magnetocaloric and Magnetoresponse Properties of $(1-x)La_{0.7}Sr_{0.3}MnO_3/xGeO_2$ ($x=0, 0.15$). <i>Solid State Phenomena</i> , 2019, 289, 170-176.	0.3	0
15	Structural and magnetic properties of $Yb_{1-x}Sr_xMnO_3$. <i>Ceramics International</i> , 2019, 45, 10286-10294.	4.8	9
16	EPR Study of $Sc_2SiO_5:Nd_{143}$ Isotopically Pure Impurity Crystals. <i>Applied Magnetic Resonance</i> , 2018, 49, 53-60.	1.2	7
17	Structural and magnetic properties of nanostructured composites $(SrFe_{12}O_{19})(CaCu_3Ti_4O_{12})_1$. <i>Physica B: Condensed Matter</i> , 2018, 536, 303-309.	2.7	4
18	ESR and Mössbauer Spectroscopic Study of Sr-Doped Ytterbium Ferromanganites. <i>Physics of the Solid State</i> , 2018, 60, 936-942.	0.6	1

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19	Crystal environment of impurity Nd ³⁺ ion in yttrium and scandium orthosilicate crystals. Journal of Magnetic Resonance, 2018, 295, 12-16.	2.1	15
20	Magnetic and magnetocaloric properties of $(1-x)\text{La}_2\text{MnO}_5$ and $x\text{Sr}_2\text{MnO}_5$ nanostructured composites. Journal of Alloys and Compounds, 2017, 714, 213-224.	2.3	12
21	Magnetization of manganite thin films on ferroelectric substrates. Journal of Magnetism and Magnetic Materials, 2017, 440, 179-180.	5.5	8
22	Investigations of Y ₂ SiO ₅ : Nd ³⁺ by ESR method. Journal of Magnetism and Magnetic Materials, 2017, 440, 13-14.	2.3	9
23	Magnetic properties of chain antiferromagnets RbFeSe ₂ , TlFeSe ₂ , and TlFeS ₂ . Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 885-887.	0.6	7
24	Anisotropic exchange in LiCu ₂ O ₂ . Physical Review B, 2017, 95, .	3.2	6
25	Magnetic and dielectric properties of o-LuFeO ₃ /SrTiO ₃ . Journal of Physics: Conference Series, 2017, 903, 012014.	0.4	2
26	Magnetic properties of the covalent chain antiferromagnet RbFeSe ₂ . Physical Review B, 2016, 94, .	1.2	12
27	Magnetic Resonance Investigations of h-YbMnO ₃ . Applied Magnetic Resonance, 2016, 47, 869-879.	1.2	8
28	Vibrational and magnetic properties of crystalline CuTe ₂ O ₅ . JETP Letters, 2015, 100, 652-656.	1.4	10
29	Oscillation of the multiferroic/ferroelectric GdMnO ₃ /SrTiO ₃ and YbMnO ₃ /SrTiO ₃ interfaces in the EPR spectrum. Low Temperature Physics, 2015, 41, 43-46.	0.6	0
30	EPR spectra of a GdMnO ₃ thin film on a SrTiO ₃ substrate. JETP Letters, 2013, 98, 380-383.	1.4	4
31	Temperature features of the EPR spectrum of GdMnO ₃ : Single crystal and thin film GdMnO ₃ /LaAlO ₃ . Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1213-1215.	0.6	0
32	Electron paramagnetic resonance studies of GdMnO ₃ single crystal and thin film deposited onto a LaAlO ₃ substrate. JETP Letters, 2012, 96, 416-420.	1.4	5
33	Magnetization and specific heat of the dimer system CuTe ₂ O ₅ . European Physical Journal B, 2011, 84, 391-395.	1.5	12
34	10.1007/s11451-008-2011-2. , 2010, 50, 283.		0
35	Anisotropic exchange interactions in CuTe ₂ O ₅ . Physics of the Solid State, 2008, 50, 283-289.	0.6	8

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37	Structural and magnetic dimers in the spin-gapped system CuTe_2O_5 . Physical Review B, 2006, 74, .	3.2	50