

Alexander P Tyutyunnik

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

1,282
citations

16
h-index

24
g-index

227
ext. papers

1,463
ext. citations

2.7
avg, IF

4.29
L-index

#	Paper	IF	Citations
200	Synthesis, Structure, and Properties of EuLnCuSe_3 (Ln = Nd, Sm, Gd, Er). <i>Crystals</i> , 2022 , 12, 17	2.3	1
199	Effect of substitutions on the phase formation, structure and magnetic properties of the double perovskites $\text{Sr}_2\text{MnSbO}_6$ and SrLaMnSbO_6 . <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 543, 168624	2.8	0
198	Amorphous nanostructured composites $\text{Al}_2\text{O}_3:\text{nC}$ with enhanced sorption affinity to La(III) , Ce(III) , U(VI) ions in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2022 , 138, 109313	3.1	
197	Blue- and white-emitting Dy^{3+} -doped aluminum oxide prepared using precursor synthesis. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 165, 110683	3.9	
196	Ion Mobility in Triple Sodium Molybdates and Tungstates with a NASICON Structure. <i>Journal of Experimental and Theoretical Physics</i> , 2022 , 134, 42-50	1	1
195	Janus ZnS nanoparticles: Synthesis and photocatalytic properties. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 161, 110459	3.9	1
194	Crystal structure, infrared luminescence and magnetic properties of Tm^{3+} -doped and Tm^{3+} -, Dy^{3+} -codoped $\text{BaY}_2\text{Ge}_3\text{O}_{10}$ germanates. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 14976-14989	2.1	
193	Thermally stimulated infrared shift of cadmium oxide optical absorption band edge. <i>Materials Science in Semiconductor Processing</i> , 2021 , 124, 105605	4.3	5
192	Upconversion luminescence and ratiometric temperature sensing behavior of $\text{Er}^{3+}/\text{Yb}^{3+}$ -codoped $\text{CaY}_2\text{Ge}_3\text{O}_{10}$ germanate. <i>Mendeleev Communications</i> , 2021 , 31, 113-115	1.9	3
191	Structural and spectroscopic characterization of a new series of BaREGeO (RE = Pr, Nd, Gd, and Dy) and BaGdEuGeO tetragermanates. <i>Dalton Transactions</i> , 2021 , 50, 10935-10946	4.3	
190	Study of the Composition of a Precipitate Formed from Solutions for the Synthesis of Cathodic Materials Containing Manganese and Citric Acid. <i>Theoretical Foundations of Chemical Engineering</i> , 2021 , 55, 117-122	0.9	3
189	$\text{BaYb}_2\text{Er}_x\text{Ge}_3\text{O}_{10}$ and $\text{BaY}_2\text{O}_y\text{Yb}_9\text{Y}_x\text{Er}_y\text{Ge}_3\text{O}_{10}$: Luminescent Properties and Prospects for Applications in Remote Temperature Determination. <i>Physics of the Solid State</i> , 2021 , 63, 1036-1041	0.8	1
188	Unusual intrinsic thermoluminescence in $\text{LiMgPO}:\text{Er}$. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 27632-27644	3.7	1
187	Novel orange-red-emitting $\text{Li}_{5+x}\text{Ca}_x\text{La}_{3-x}\text{Ta}_2\text{O}_{12}:\text{Sm}^{3+}$ ($x = 0; 1$) phosphors: Crystal structure, luminescence and thermal quenching studies. <i>Journal of Luminescence</i> , 2020 , 224, 117315	3.8	6
186	Potassium Poly(Heptazine Imide): Transition Metal-Free Solid-State Triplet Sensitizer in Cascade Energy Transfer and [3+2]-cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15061-15068	16.4	46
185	Kalium-Polyheptazinimid: Ein Übergangsmetallfreier Festkörper-Triplett-Sensibilisator in Kaskadenenergietransfer und [3+2]-Cycloadditionen. <i>Angewandte Chemie</i> , 2020 , 132, 15172-15180	3.6	9
184	New Li-Mg phosphates with a 3D framework: experimental and ab initio calculations. <i>Dalton Transactions</i> , 2020 , 49, 10069-10083	4.3	

183	Paramagnetic Mn Antisite Defects in Nanoceramics of Aluminum Magnesium Spinel. <i>Physics of the Solid State</i> , 2020 , 62, 137-143	0.8	0
182	Structural and optical characterization of Tm ³⁺ -doped apatite related NaLa ₉ (GeO ₄) ₆ O ₂ phosphors. <i>Ceramics International</i> , 2020 , 46, 26416-26424	5.1	1
181	Intrinsic defects and their influence on optical properties of Al ₉ (GeO ₄) ₆ O ₂ (Al ³⁺ Li, Na, K, Rb, Cs) oxyapatites prepared by spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2020 , 839, 155609	5.7	1
180	Decomposition of single-source precursors under high-temperature high-pressure to access osmium platinum refractory alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 813, 152121	5.7	6
179	Synthesis, spectroscopic and luminescence properties of Ga-doped βAlO. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 227, 117658	4.4	6
178	Structural and chemical mechanism underlying formation of Zn ₂ SiO ₄ :Mn crystalline phosphor properties. <i>Journal of Alloys and Compounds</i> , 2020 , 820, 153129	5.7	6
177	The crystal structure and magnetic properties of the new phosphate-vanadates Sr _{2.4-x} Co _{2.6+x} P ₃ VO ₁₅ , x=0.00, 0.02 and 0.04. <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121117	3.3	0
176	Precursor technology for the production of white and color phosphors based on Al ₂ O ₃ :Ln (Ln=Eu ³⁺ , Tb ³⁺ or Eu ³⁺ /Tb ³⁺). <i>Journal of Solid State Chemistry</i> , 2020 , 292, 121699	3.3	4
175	An insight into indium effect on the crystal structure and thermoluminescence of LiMgPO ₄ : Combined experiment and ab initio calculations. <i>Journal of Alloys and Compounds</i> , 2020 , 846, 156242	5.7	3
174	Synthesis of nanostructured carbon materials with different morphology of aggregates and their sorption properties with respect to nickel(II) ions. <i>Solid State Sciences</i> , 2020 , 108, 106429	3.4	1
173	Crystal structure, luminescence properties and thermal stability of BaY _{2-x} Eu _x Ge ₃ O ₁₀ phosphors with high colour purity for blue-excited pc-LEDs. <i>New Journal of Chemistry</i> , 2020 , 44, 16400-16411	3.6	5
172	Luminescence Properties of Sr ₂ La _{8-12x} Tm _x (GeO ₄) ₆ O ₂ Apatites (x = 0.1-1.0) in the Visible and Short-Wave IR Spectral Ranges. <i>Physics of the Solid State</i> , 2020 , 62, 1407-1414	0.8	2
171	New phase within the SrO _{1-x} BO _{3-x} GeO ₂ (R ³⁺ Dy ³⁺ /Lu) systems: Synthesis and quantum-chemical modeling. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 138, 109241	3.9	
170	The effect of manganese oxidation state on antiferromagnetic order in SrMn _{1-x} Sb _x O ₃ (0 Journal of Materials Chemistry C, 2019 , 7, 2085-2095	7.1	4
169	Phosphor for the Near-IR and Short-Wave IR Ranges Based on a Garnet Structured Cubic Modification of Lithium Lanthanum Niobate. <i>Physics of the Solid State</i> , 2019 , 61, 874-880	0.8	
168	Crystal Structure of (NH ₄) ₂ VO(SO ₄) ₂ ·H ₂ O. <i>Journal of Structural Chemistry</i> , 2019 , 60, 796-802	0.9	
167	Self-Assembly of Hollow Bismuth Ferrite Spheres from Nitrate Solutions. <i>Journal of Electronic Materials</i> , 2019 , 48, 4959-4969	1.9	2
166	Precursor synthesis, magnetic properties and electronic band structure of Mg _{1-x} Fe _x O (0 ≤ x ≤ 0.075). <i>Journal of Alloys and Compounds</i> , 2019 , 789, 30-39	5.7	2

- 165 Magnetic State and Phase Composition of Co₃C Nanoparticles. *Physics of Metals and Metallography*, **2019**, 120, 930-935 1.2
- 164 A red-emitting phosphor based on Eu³⁺-doped Li₆SrLa₂Ta₂O₁₂ garnets for solid state lighting applications. *Materials Research Express*, **2019**, 6, 066201 1.7 8
- 163 Structural, electronic, and optical studies of BaRE₂Ge₃O₁₀ (RE = Y, Sc, Gd, Lu) germanates with a special focus on the [Ge₃O₁₀]⁸⁻ geometry. *CrystEngComm*, **2019**, 21, 6491-6502 3.3 7
- 162 Structure-luminescence relationship in Eu³⁺-doped Sr₃La₂(Ge₃O₉)₂ phosphors. *Optical Materials*, **2019**, 87, 145-150 3.3 3
- 161 Synthesis and luminescence properties of Tb³⁺ and Dy³⁺ doped Li₇La₃Hf₂O₁₂ with tetragonal garnet structure. *Optical Materials*, **2019**, 87, 122-126 3.3 8
- 160 Synthesis, crystal structure and optical properties of Me(OH)(HCOO)₂ (Me = Al, Ga). *CrystEngComm*, **2018**, 20, 2741-2748 3.3 6
- 159 Novel IR Phosphor Based on Sr₃La₂(Ge₃O₉)₂ : Nd³⁺, Ho³⁺ Germanate. *Physics of the Solid State*, **2018**, 60, 364-369 0.8 3
- 158 Structure, magnetic and optical properties of Sr₃RE₂(Ge₃O₉)₂ cyclogermanates (RE = La, Nd). *CrystEngComm*, **2018**, 20, 2404-2412 3.3 4
- 157 Sensitized IR luminescence in Ca₃Y₂Ge₃O₁₂: Nd³⁺, Ho³⁺ under 808 nm laser excitation. *Ceramics International*, **2018**, 44, 6959-6967 5.1 13
- 156 Hollow spheres of BiFeO₃: Synthesis and properties. *Journal of Alloys and Compounds*, **2018**, 743, 654-657 3.7 7
- 155 Structural, Magnetic, and XPS Studies of the Double-Perovskite Mn₂V₂SbO₆. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 2907-2914 1.5 3
- 154 Magnetocaloric Effect in Ni₅₀Mn₃₆Sb₁₄Z_x (Z = Al, Ge; x = 0, 2) Heusler Alloys. *Physics of Metals and Metallography*, **2018**, 119, 121-126 1.2 7
- 153 Magnetic and optical properties as well as EPR studies of polycrystalline ZnO synthesized from different precursors. *Materials Research Bulletin*, **2018**, 97, 553-559 5.1 9
- 152 Synthesis and optical properties of cerium doped Li₇La₃Hf₂O₁₂ with tetragonal garnet structure. *Journal of Luminescence*, **2018**, 194, 193-199 3.8 6
- 151 Microstructure and dielectric properties of CaCu₃Ti₄O₁₂ ceramics by quenching after sintering in low vacuum and thermobaric treatment at 9 GPa. *Ceramics International*, **2018**, 44, 20069-20074 5.1 5
- 150 Thermal Expansion and Luminescent Properties of Triorthogermanates CaLa_{2-x}Eu_xGe₃O₁₀ (x = 0.0-0.6). *Physics of the Solid State*, **2018**, 60, 370-375 0.8 3
- 149 Synthesis, structure and magnetic properties of new Ba₂(Co_{1-x}P_xO₄)₂ (x = 0.4-0.5). *Journal of Solid State Chemistry*, **2018**, 266, 174-180 3.3 2
- 148 Influence of sintering atmosphere and thermobaric treatment (TBT) on dielectric behaviors of CaCu₃Ti₄O₁₂ ceramics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 2861-2867 2.3 4

147	Polymorphism and properties of ammonium scandium sulfate $(\text{NH}_4)_3\text{Sc}(\text{SO}_4)_3$: new intermediate compound in scandium production. <i>CrystEngComm</i> , 2018 , 20, 3772-3783	3.3	3
146	Crystal structure of $\text{Ca}_2\text{Zn}_2(\text{V}_4\text{O}_{14})$ and $\text{Pb}_2\text{Cd}_2(\text{V}_3\text{O}_{10})(\text{VO}_4)$ double vanadates. <i>Powder Diffraction</i> , 2018 , 33, 216-224	1.8	1
145	Structural features and high-temperature transport in $\text{SrFe}_{0.7}\text{Mo}_{0.3}\text{O}_3$. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 447-452	3.3	12
144	Crystal structure and luminescence properties of the barium europium tetragermanate $\text{Ba}_2\text{Eu}_2\text{Ge}_4\text{O}_{13}$. <i>Mendeleev Communications</i> , 2018 , 28, 661-662	1.9	2
143	Sorption Properties of Hematite for Copper Ions. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1076-1088		
142	Thermal and Magnetic Properties of Maghemite $\gamma\text{-Fe}_2\text{O}_3$ Synthesized by a Precursor Method. <i>Doklady Chemistry</i> , 2018 , 481, 161-165	0.8	3
141	About the crystalline structure of vanadates $\text{Ca}_{1.5}\text{Ho}_{0.1}\text{Mn}_{0.5}\text{Ho}_{0.1}\text{V}_2\text{O}_7$ and $\text{Ca}_{1.5}\text{Cd}_{0.5}\text{V}_2\text{O}_7$. <i>Powder Diffraction</i> , 2018 , 33, 246-255	1.8	0
140	Nd,Ho-Codoped apatite-related $\text{NaLa}(\text{GeO})\text{O}$ phosphors for the near- and middle-infrared region. <i>Dalton Transactions</i> , 2018 , 47, 14041-14051	4.3	5
139	Stabilization of cubic $\text{Li}_7\text{La}_3\text{Hf}_2\text{O}_{12}$ by Al-doping. <i>Journal of Power Sources</i> , 2018 , 391, 26-33	8.9	6
138	Impurity centers and electronic band structure of lithium-doped cadmium oxide. <i>Ceramics International</i> , 2018 , 44, 17313-17318	5.1	5
137	Nd, Ho-codoped garnet-related LiLaHfO phosphor with NIR luminescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 105-109	4.4	9
136	One-pot inorganic route to highly stable water-dispersible Ag_2S quantum dots. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 418-424	5.7	9
135	Preparation specifics and properties of $\text{AMn}_3\text{V}_4\text{O}_{12}$ (A = Ca, Ce, and Sm) high-pressure phases. <i>Russian Journal of Inorganic Chemistry</i> , 2017 , 62, 103-110	1.5	5
134	Structural and Magnetic Transitions in CaCoVO Perovskite at Extreme Conditions. <i>Inorganic Chemistry</i> , 2017 , 56, 6251-6263	5.1	8
133	Synthesis of New $\text{Sr}_3\text{RE}_2(\text{Ge}_3\text{O}_9)_2$ (RE=La, Y) cyclogermanates by liquid-phase precursor methods. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 103, 76-81	3.9	4
132	The luminescence properties of $\text{Ba}_2\text{O}_3\text{:C}$ produced by precursor method. <i>Journal of Alloys and Compounds</i> , 2017 , 698, 1102-1110	5.7	10
131	Electronic structure and optical properties of $\text{Ala}_{9-x}\text{Eux}(\text{GeO}_4)_6\text{O}_2$ (A = Li, Na, K, Rb, Cs, $\text{La}_{1/3}$; x = 0, 0.07). <i>Journal of Alloys and Compounds</i> , 2017 , 727, 390-397	5.7	4
130	Precursor synthesis and magnetic properties of $\text{Cd}_{1-x}\text{FexO}$ (0 \leq x \leq 0.07) polycrystalline solid solutions. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 1244-1251	5.7	7

- 129 Synthesis and crystal structure of 3R and 1T' polytypes of $\text{NH}_4\text{Sc}(\text{SO}_4)_2$. *Journal of Solid State Chemistry*, **2017**, 255, 50-60 3.3 4
- 128 Peculiarities of EPR in polycrystalline solid solutions $\text{Zn}_{0.95}\text{Fe}_{0.05}\text{O}$ with different particles morphology: The role of intrinsic defects in formation of magnetic properties. *Physics of the Solid State*, **2017**, 59, 1506-1511 0.8 2
- 127 Precursor synthesis and magnetic properties of $\text{Cd}_{1-x}\text{Fe}_x\text{O}$ ($0 \leq x \leq 0.07$). *Mendeleev Communications*, **2017**, 27, 456-458 1.9 3
- 126 Mutual cation substitutions in palmierite orthovanadates: $\text{M}_3(\text{VO}_4)_2\text{M}_2\text{Me}_2/3(\text{VO}_4)_2$ systems where $\text{M} = \text{Sr}, \text{Ba}, \text{or Pb}$ and $\text{Me} = \text{La or Bi}$. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 639-644 1.5 2
- 125 Structure and optical properties of $\text{KLa}_9(\text{GeO}_4)_6\text{O}_2$ and $\text{KLa}_{8.37}\text{Eu}_{0.63}(\text{GeO}_4)_6\text{O}_2$. *Chemical Physics Letters*, **2017**, 667, 9-14 2.5 6
- 124 Magnetic ordering in dihydrated formates $\text{M}(\text{HCOO})_2 \cdot 2\text{H}_2\text{O}$, $\text{M} = \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}$: DC magnetization study. *Physica Status Solidi (B): Basic Research*, **2016**, 253, 2209-2216 1.3 5
- 123 ^{17}O NMR study of the doped electrons in lightly oxygen-deficient cubic SrMnO_{3-x} . *Physical Review B*, **2016**, 93, 3.3 7
- 122 Synthesis and electrical properties of new perovskite-like $\text{AMn}_3\text{V}_4\text{O}_{12}$ ($\text{A} = \text{Ca}, \text{Ce}, \text{and Sm}$) compounds. *Bulletin of the Russian Academy of Sciences: Physics*, **2016**, 80, 620-623 0.4 2
- 121 Synthesis, crystal structure, and Raman spectra of mixed oxides $\text{K}_2\text{Pb}(\text{MoO}_4)_2(\text{CrO}_4)_x$ and $\text{K}_2(x-1)\text{Pb} + x(\text{MoO}_4)(\text{CrO}_4) \cdot x(\text{VO}_4)$, where $x = 0-1$. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1097-1103 1.5
- 120 Infrared luminescence of $\text{CaLa}_2(x-1)\text{Nd}_x\text{Ge}_3\text{O}_{10}:\text{Ho}^{3+}, \text{Er}^{3+}$. *Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)*, **2016**, 121, 511-517 0.7 5
- 119 Crystal structure and spectroscopic properties of garnet-type $\text{Li}_7\text{La}_3\text{Hf}_2\text{O}_{12}:\text{Eu}^{3+}$. *Journal of Alloys and Compounds*, **2016**, 686, 204-215 5.7 19
- 118 Preparation and crystal structure of garnet-type calcium zirconium germanate $\text{Ca}_4\text{ZrGe}_3\text{O}_{12}$. *Powder Diffraction*, **2016**, 31, 292-294 1.8 5
- 117 Upconversion luminescence in $\text{CaYb}_2(x-1)\text{Er}_x\text{Ge}_3\text{O}_{10}$ ($x=0-1$). *Optical Materials*, **2016**, 61, 98-104 3.3 5
- 116 X-ray study of $[\text{Cu}(\text{NH}_3)_4](\text{ReO}_4)_2 \cdot n[\text{Cu}(\text{NH}_3)_2(\text{ReO}_4)_2]$ transformation. *Journal of Structural Chemistry*, **2016**, 57, 140-145 0.9 1
- 115 Apatite-Like Complex Oxides in the $\text{Ca}_2\text{TrCu}_2\text{O}_{10}$ System: Synthesis, Crystal Structure, XPS and Magnetic Study. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5340-5346 2.3 4
- 114 A new polymorph of $\text{NH}_4\text{V}_3\text{O}_7$: Synthesis, structure, magnetic and electrochemical properties. *Solid State Sciences*, **2016**, 61, 225-231 3.4 2
- 113 Synthesis of $\text{CaY}_2(x-1)\text{Ln}_x\text{Ge}_3\text{O}_{10}$ ($\text{Ln} = \text{Eu or Tb}$) phosphors via the EDTA complexing process. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 550-556 2.3
- 112 Synthesis and magnetic properties of nanocrystalline $\text{Zn}_{1-x}\text{Fe}_x\text{O}$ solid solutions. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 815-818 0.4 2

111	Room-temperature ferromagnetism in polycrystalline Zn _{1-x} Fe _x O (0 ≤ x ≤ 0.075) solid solutions synthesized by the precursor method. <i>Materials Chemistry and Physics</i> , 2015 , 162, 1-5	4.4	14
110	Hydrothermal synthesis and thermal stability of self-assembling NH ₄ V ₃ O ₇ microcrystals. <i>Russian Journal of Inorganic Chemistry</i> , 2015 , 60, 653-657	1.5	2
109	Observation of ferromagnetism at room temperature in polycrystalline Zn _{1-x} Fe _x O solid solutions synthesized by the precursor method. <i>Physics of the Solid State</i> , 2015 , 57, 1079-1088	0.8	3
108	Ion transport in dual-phase SrFe _{1-x} Co _x O ₃ (x = 0.03 - 0.10): effects of redox cycling. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 841-849	2.6	3
107	Synthesis and structural study of a new group of trigermanates, CaRE ₂ Ge ₃ O ₁₀ (RE = La, Y, b). <i>CrystEngComm</i> , 2015 , 17, 3333-3344	3.3	11
106	Synthesis and crystal structure of a new hexagonal perovskite 7H-Ba ₇ Li _{1.75} Mn _{3.5} O _{15.75} with Mn(4+)/Mn(5+) charge distribution. <i>Dalton Transactions</i> , 2015 , 44, 18527-35	4.3	2
105	New hexagonal perovskite with Mn ⁴⁺ and Mn ⁵⁺ at distinct structural positions. <i>Journal of Physics: Conference Series</i> , 2015 , 644, 012004	0.3	1
104	Crystal-chemical and physicochemical properties of complex cadmium oxides with pyrochlore and columbite type of structure. <i>Materials Chemistry and Physics</i> , 2015 , 168, 122-126	4.4	2
103	Synthesis and characterisation of new MO(OH) ₂ (M = Zr, Hf) oxyhydroxides and related Li ₂ MO ₃ salts. <i>Dalton Transactions</i> , 2014 , 43, 2755-63	4.3	10
102	Precursor-based synthesis of nanosized tungsten carbide WC and WC:nCo nanocomposites. <i>Doklady Physical Chemistry</i> , 2014 , 457, 104-107	0.8	2
101	Structure of the monoclinic modification of Re ₃ B. <i>Journal of Structural Chemistry</i> , 2014 , 55, 84-88	0.9	5
100	Synthesis, crystal structure, and luminescence properties of CaY ₂ Ge ₃ O ₁₀ :Ln ³⁺ , Ln = Eu, Tb. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2014 , 116, 695-699	0.7	9
99	Structural and Vibrational Properties of the Ordered Y ₂ CaGe ₄ O ₁₂ Germanate: A Periodic Ab Initio Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8090-8101	3.8	16
98	Thermobaric synthesis, structure, and properties of Dy _x Cu ₃ V ₄ O ₁₂ . <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013 , 77, 239-241	0.4	
97	Synthesis, crystal structure, and vibrational spectra of MVO(SO ₄) ₂ (M = Rb, Cs, or Tl). <i>Russian Journal of Inorganic Chemistry</i> , 2013 , 58, 127-133	1.5	1
96	Synthesis, crystal structure and luminescence properties of CaY ₂ Eu _x Ge ₃ O ₁₀ (x=0-1). <i>Journal of Solid State Chemistry</i> , 2013 , 206, 117-121	3.3	13
95	Phase separation-promoted ion conduction in SrFe _{0.67} Co _{0.33} O ₃ ceramics. <i>Solid State Ionics</i> , 2013 , 244, 17-22	3.3	9
94	New antiferromagnetic perovskite CaCo ₃ V ₄ O ₁₂ prepared at high-pressure and high-temperature conditions. <i>Inorganic Chemistry</i> , 2013 , 52, 11703-10	5.1	28

93	[Ru(NH ₃) ₆](MoO ₄)Cl·nH ₂ O and [M(NH ₃) ₆](ReO ₄) ₃ ·nH ₂ O (M = Ru, Ir). Synthesis and crystal structure. <i>Journal of Structural Chemistry</i> , 2013 , 54, 931-936	0.9	1
92	K ₂ CaV ₂ O ₇ : a pyrovanadate with a new layered type of structure in the A ₂ BV ₂ O ₇ family. <i>Dalton Transactions</i> , 2013 , 42, 1057-64	4.3	4
91	Structural features and enhanced high-temperature oxygen ion transport in SrFe _{1-x} TaxO ₃ . <i>Journal of Solid State Chemistry</i> , 2013 , 197, 191-197	3.3	14
90	Crystal structure, morphotropic phase transition and luminescence in the new cyclosilicates Sr ₃ R ₂ (Si ₃ O ₉) ₂ , R=Y, Eu. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 447-455	3.3	21
89	Synthesis and characterization of the new high pressure phases ACu ₃ V ₄ O ₁₂ (A=Gd, Tb, Er). <i>High Pressure Research</i> , 2013 , 33, 418-424	1.6	2
88	Phase Chemistry in the Ca-Mn-Sb-O System at 1160–1250 °C. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2657-2663	1.3	2
87	Crystal structure of RbBaVO ₄ and high-pressure modification of KCaVO ₄ . <i>Powder Diffraction</i> , 2013 , 28, S65-S74	1.8	1
86	Crystal structure of a new HfO(OH) ₂ oxyhydroxide. <i>Powder Diffraction</i> , 2013 , 28, S510-S518	1.8	
85	Electroresistive and magnetoresistive properties of Nd _{0.7} Sr _{0.3} MnO ₃ after quenching under pressure of 9GPa. <i>Physica B: Condensed Matter</i> , 2012 , 407, 153-159	2.8	8
84	Synthesis and crystal structures of new oxyapatites BiCa _{4-x} Lax(VO ₄) ₃ (GeO ₄) _x O, x=1B. <i>Journal of Solid State Chemistry</i> , 2012 , 194, 32-36	3.3	6
83	Synthesis, crystal structure and magnetic properties of Sr ₅ (CrO ₄) ₃ (Cu _{0.586} O) with apatite-like structure. <i>Journal of Alloys and Compounds</i> , 2012 , 522, 141-143	5.7	6
82	Complex salts with participation of [Rh(NH ₃) ₆] ³⁺ cations. <i>Journal of Structural Chemistry</i> , 2012 , 53, 521-526	5.7	6
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