Alexander P Tyutyunnik

List of Publications by Citations

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, Crystal Structure, and Magnetic Properties of Quasi-One-Dimensional Oxides Ca3CuMnO6 and Ca3Co1+xMn1−xO6. *Journal of Solid State Chemistry*, **2001**, 160, 293-301	3.3	74
199	Upconversion luminescence in Er3+/Yb3+ codoped Y2CaGe4O12. *Journal of Alloys and Compounds*, **2011**, 509, 1339-1346	5.7	55
198	Potassium Poly(Heptazine Imide): Transition Metal-Free Solid-State Triplet Sensitizer in Cascade Energy Transfer and [3+2]-cycloadditions. *Angewandte Chemie - International Edition*, **2020**, 59, 15061-15068	16.4	46
197	Defect crystal structure of new TiO(OH)2 hydroxide and related lithium salt Li2TiO3. *Dalton Transactions*, **2010**, 39, 8168-76	4.3	32
196	New antiferromagnetic perovskite CaCo3V4O12 prepared at high-pressure and high-temperature conditions. *Inorganic Chemistry*, **2013**, 52, 11703-10	5.1	28
195	Structure and electronic properties of new rutile-like rhenium (IV) dioxide ReO2. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 348, 66-70	2.3	26
194	Synthesis and structural, magnetic and electrical characterisation of the reduced oxoniobates BaNb8O14, EuNb8O14, Eu2Nb5O9 and EuxNbO3 (x = 0.7, 1.0). *Journal of Alloys and Compounds*, **1995**, 226, 24-30	5.7	26
193	Synthesis, crystal structure and luminescent properties of pyrovanadates A2CaV2O7 (A = Rb, Cs). *Solid State Sciences*, **2009**, 11, 726-732	3.4	23
192	Structural, luminescence, and electronic properties of the alkaline metal-strontium cyclotetravanadates M2Sr(VO3)4, (M=Na, K, Rb, Cs). *Physical Review B*, **2005**, 72,	3.3	22
191	Crystal and Magnetic Structures of Ba4Mn3O10. *Journal of Solid State Chemistry*, **2002**, 167, 453-458	3.3	22
190	Crystal structure, morphotropic phase transition and luminescence in the new cyclosilicates Sr3R2(Si3O9)2, R=Y, Eu□u. *Journal of Solid State Chemistry*, **2013**, 197, 447-455	3.3	21
189	Anhydrous tin and lead hexacyanoferrates (II).. *Solid State Sciences*, **2001**, 3, 361-367	3.4	20
188	Crystal structure and spectroscopic properties of garnet-type Li 7 La 3 Hf 2 O 12 :Eu 3+. *Journal of Alloys and Compounds*, **2016**, 686, 204-215	5.7	19
187	Crystal structure and magnetic properties of double perovskite Mn2FeSbO6. *Materials Research Bulletin*, **2011**, 46, 1247-1251	5.1	19
186	Structural, vibrational, electronic, and luminescence properties of the cyclotetravanadates A2M(VO3)4 (A=Na,Ag; M=Ca,Sr). *Physical Review B*, **2008**, 77,	3.3	17
185	Crystal structure of the low-temperature form of K3PO4. *Inorganic Materials*, **2006**, 42, 908-913	0.9	17
184	Structural and Vibrational Properties of the Ordered Y2CaGe4O12 Germanate: A Periodic Ab Initio Study. *Journal of Physical Chemistry C*, **2014**, 118, 8090-8101	3.8	16

183	Synthesis and crystal structure of Ln2M2+Ge4O12, Ln=rare-earth element or Y; M=Ca, Mn, Zn. *Journal of Solid State Chemistry*, **2010**, 183, 1186-1193	3.3	16
182	Rietveld refinement studies of Nb4N5- and Nb5N6-related phases in the (Mn)NbON system. *Journal of Alloys and Compounds*, **1998**, 278, 83-91	5.7	15
181	Electronic states of boron in superconducting MgB2 studied by11B NMR. *Applied Magnetic Resonance*, **2001**, 21, 157-163	0.8	15
180	Room-temperature ferromagnetism in polycrystalline Zn1−xFexO (0≤x≤0.075) solid solutions synthesized by the precursor method. *Materials Chemistry and Physics*, **2015**, 162, 1-5	4.4	14
179	Structural features and enhanced high-temperature oxygen ion transport in SrFe1−xTaxO3−δ *Journal of Solid State Chemistry*, **2013**, 197, 191-197	3.3	14
178	Luminescence in Ln2CaGe4O12 under infrared laser excitation. *Journal of Luminescence*, **2009**, 129, 1625-1628	3.6	14
177	Sensitized IR luminescence in Ca3Y2Ge3O12: Nd3+, Ho3+ under 808 nm laser excitation. *Ceramics International*, **2018**, 44, 6959-6967	5.1	13
176	Synthesis, crystal structure and luminescence properties of CaY2−xEuxGe3O10 (x=0–2). *Journal of Solid State Chemistry*, **2013**, 206, 117-121	3.3	13
175	Structure and Magnetic Susceptibility of Mn11Ta4O21and Refinement of the Mn4Ta2O9Structure. *Journal of Solid State Chemistry*, **1998**, 137, 276-282	3.3	13
174	High temperature/high pressure synthesis and crystal structure of the new corundum related compound Zn4Nb2O9. *Solid State Sciences*, **2003**, 5, 459-463	3.4	12
173	Crystal structure of K2V8O21 and Tl2V8O21. *Solid State Sciences*, **2005**, 7, 37-43	3.4	12
172	Structural features and high-temperature transport in SrFe0.7Mo0.3O3−δ *Journal of Solid State Chemistry*, **2018**, 258, 447-452	3.3	12
171	Synthesis and structural study of a new group of trigermanates, CaRE2Ge3O10 (RE = La–Yb). *CrystEngComm*, **2015**, 17, 3333-3344	3.3	11
170	Synthesis and structure of quasi-one-dimensional zinc oxide doped with manganese. *Russian Journal of Inorganic Chemistry*, **2012**, 57, 72-78	1.5	11
169	Structural and magnetic properties of orthorhombic LixMnO2. *Solid State Sciences*, **2007**, 9, 196-204	3.4	11
168	The luminescence properties of α-Al 2 O 3 :C produced by precursor method. *Journal of Alloys and Compounds*, **2017**, 698, 1102-1110	5.7	10
167	Synthesis and characterisation of new MO(OH)2 (M = Zr, Hf) oxyhydroxides and related Li2MO3 salts. *Dalton Transactions*, **2014**, 43, 2755-63	4.3	10
166	Crystal structure and optical properties of germanates Ln 2Ca(GeO3)4 (Ln = Gd, Ho, Er, Yb, Y). *Physics of the Solid State*, **2008**, 50, 1699-1706	0.8	10

165	Synthesis and crystal structure of the pyrovanadate Na2ZnV2O7. *Powder Diffraction*, **2005**, 20, 189-192	1.8	10
164	Chemical interactions in the cathode half-cell of lithium-ion batteries. *Journal of Power Sources*, **2006**, 157, 477-482	8.9	10
163	Synthesis and Properties of the New Compounds NaCu3V4O12 and CaCu3V4O12 Obtained under Uniform Compression. *Doklady Chemistry*, **2003**, 392, 251-253	0.8	10
162	Nd, Ho-codoped garnet-related LiLaHfO phosphor with NIR luminescence. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 180, 105-109	4.4	9
161	One-pot inorganic route to highly stable water-dispersible Ag 2 S quantum dots. *Journal of Alloys and Compounds*, **2017**, 712, 418-424	5.7	9
160	Kalium-Polyheptazinimid: Ein übergangsmetallfreier Festkörper-Triplett-Sensibilisator in Kaskadenenergietransfer und [3+2]-Cycloadditionen. *Angewandte Chemie*, **2020**, 132, 15172-15180	3.6	9
159	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
158	Synthesis, crystal structure, and luminescence properties of CaY2Ge3O10:Ln3+, Ln = Eu, Tb. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2014**, 116, 695-699	0.7	9
157	Phase separation-promoted ion conduction in SrFe0.67□0.33O3 □ceramics. *Solid State Ionics*, **2013**, 244, 17-22	3.3	9
156	Microwave synthesis, structure, and magnetic properties of quasi-one-dimensional complex oxide Sr4LiMn2O9. *Journal of Alloys and Compounds*, **2011**, 509, 6158-6162	5.7	9
155	High temperature□high pressure synthesis and crystal structure of the incommensurately modulated, □-PbO2 related, compound MnTa2O6. *Solid State Sciences*, **2003**, 5, 983-994	3.4	9
154	Structural and Magnetic Transitions in CaCoVO Perovskite at Extreme Conditions. *Inorganic Chemistry*, **2017**, 56, 6251-6263	5.1	8
153	Electroresistive and magnetoresistive properties of Nd0.7Sr0.3MnO3 after quenching under pressure of 9GPa. *Physica B: Condensed Matter*, **2012**, 407, 153-159	2.8	8
152	Na0.25Cu0.75VO3: A New Perovskite-like Vanadium Bronze. *Inorganic Materials*, **2004**, 40, 184-187	0.9	8
151	Crystal structure of □-Zn2V2O7. *Crystallography Reports*, **2003**, 48, 35-38	0.6	8
150	Ca0.95Nb3O6: Crystal and Electronic Structure. *Journal of Solid State Chemistry*, **1993**, 105, 27-35	3.3	8
149	A red-emitting phosphor based on Eu3+-doped Li6SrLa2Ta2O12 garnets for solid state lighting applications. *Materials Research Express*, **2019**, 6, 066201	1.7	8
148	Synthesis and luminescence properties of Tb3+ and Dy3+ doped Li7La3Hf2O12 with tetragonal garnet structure. *Optical Materials*, **2019**, 87, 122-126	3.3	8

147	Hollow spheres of BiFeO3: Synthesis and properties. *Journal of Alloys and Compounds*, **2018**, 743, 654-657	5.7	7
146	Magnetocaloric Effect in Ni50Mn36Sb14−xZx (Z = Al, Ge; x = 0, 2) Heusler Alloys. *Physics of Metals and Metallography*, **2018**, 119, 121-126	1.2	7
145	O17 NMR study of the doped electrons in lightly oxygen-deficient cubic SrMnO3−δ. *Physical Review B*, **2016**, 93,	3.3	7
144	Precursor synthesis and magnetic properties of Cd1-xFexO (0 ≤ x ≤ 0.07) polycrystalline solid solutions. *Journal of Alloys and Compounds*, **2017**, 725, 1244-1251	5.7	7
143	Synthesis, structure, and properties of V2O3(XO4)2 (X = S, Se). *Russian Journal of Inorganic Chemistry*, **2010**, 55, 501-507	1.5	7
142	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
141	Novel orange-red-emitting Li5+xCaxLa3-xTa2O12:Sm3+ (x = 0; 1) phosphors: Crystal structure, luminescence and thermal quenching studies. *Journal of Luminescence*, **2020**, 224, 117315	3.8	6
140	Synthesis, crystal structure and optical properties of Me(OH)(HCOO)2 (Me = Al, Ga). *CrystEngComm*, **2018**, 20, 2741-2748	3.3	6
139	Synthesis and optical properties of cerium doped Li7La3Hf2O12 with tetragonal garnet structure. *Journal of Luminescence*, **2018**, 194, 193-199	3.8	6
138	Structure and optical properties of KLa9(GeO4)6O2 and KLa8.37Eu0.63(GeO4)6O2. *Chemical Physics Letters*, **2017**, 667, 9-14	2.5	6
137	Synthesis and crystal structures of new oxyapatites BiCa4−xLax(VO4)3−x(GeO4)xO, x=1−3. *Journal of Solid State Chemistry*, **2012**, 194, 32-36	3.3	6
136	Synthesis, crystal structure and magnetic properties of Sr5(CrO4)3(Cu0.586O) with apatite-like structure. *Journal of Alloys and Compounds*, **2012**, 522, 141-143	5.7	6
135	Complex salts with participation of [Rh(NH3)6]3+ cations. *Journal of Structural Chemistry*, **2012**, 53, 521-526	0.9	6
134	Crystal structure and magnetic properties of complex oxides Mg4−xNixNb2O9, 0?x?4. *Journal of Solid State Chemistry*, **2007**, 180, 3180-3187	3.3	6
133	Decomposition of single-source precursors under high-temperature high-pressure to access osmium–platinum refractory alloys. *Journal of Alloys and Compounds*, **2020**, 813, 152121	5.7	6
132	Synthesis, spectroscopic and luminescence properties of Ga-doped γ-AlO. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 227, 117658	4.4	6
131	Structural and chemical mechanism underlying formation of Zn2SiO4:Mn crystalline phosphor properties. *Journal of Alloys and Compounds*, **2020**, 820, 153129	5.7	6
130	Stabilization of cubic Li7La3Hf2O12 by Al-doping. *Journal of Power Sources*, **2018**, 391, 26-33	8.9	6

129	Preparation specifics and properties of AMn3V4O12 (A = Ca, Ce, and Sm) high-pressure phases. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 103-110	1.5	5
128	Magnetic ordering in dihydrated formates M(HCOO)2 ·2H2O, M = Mn, Fe, Co, Ni: DC magnetization study. *Physica Status Solidi (B): Basic Research*, **2016**, 253, 2209-2216	1.3	5
127	Infrared luminescence of CaLa2 −x Nd x Ge3O10:Ho3+, Er3+. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2016**, 121, 511-517	0.7	5
126	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
125	Structure of the monoclinic modification of Re3B. *Journal of Structural Chemistry*, **2014**, 55, 84-88	0.9	5
124	High-pressure/high-temperature synthesis, crystal structure, and electrical properties of CaCu3 −x Fe x V4O12. *Inorganic Materials*, **2011**, 47, 1396-1401	0.9	5
123	Application of a modified Pechini method for the synthesis of Ln2MGe4O12 (Ln = Y, Eu; M = Ca, Zn, Mn) optical hosts. *Journal of Sol-Gel Science and Technology*, **2011**, 59, 338-344	2.3	5
122	The product of thermobaric treatment of Pt0.25Os0.75. *Journal of Structural Chemistry*, **2008**, 49, 382-385	0.9	5
121	Crystal and Magnetic Structures of Ba4Mn3O10. *Journal of Solid State Chemistry*, **2002**, 167, 453-458	3.3	5
120	New MnO–Nb(Ta)2O5 Phases Produced at High Pressures and Temperatures. *Journal of Structural Chemistry*, **2003**, 44, 252-255	0.9	5
119	Crystal structure, luminescence properties and thermal stability of BaY2−xEuxGe3O10 phosphors with high colour purity for blue-excited pc-LEDs. *New Journal of Chemistry*, **2020**, 44, 16400-16411	3.6	5
118	Preparation and crystal structure of garnet-type calcium zirconium germanate Ca4ZrGe3O12. *Powder Diffraction*, **2016**, 31, 292-294	1.8	5
117	Upconversion luminescence in CaYb2−xErxGe3O10 (x = 0.02). *Optical Materials*, **2016**, 61, 98-104	3.3	5
116	Thermally stimulated infrared shift of cadmium oxide optical absorption band edge. *Materials Science in Semiconductor Processing*, **2021**, 124, 105605	4.3	5
115	Nd,Ho-Codoped apatite-related NaLa(GeO)O phosphors for the near- and middle-infrared region. *Dalton Transactions*, **2018**, 47, 14041-14051	4.3	5
114	Impurity centers and electronic band structure of lithium-doped cadmium oxide. *Ceramics International*, **2018**, 44, 17313-17318	5.1	5
113	Synthesis of New Sr 3 RE 2 (Ge 3 O 9) 2 (RE=La, Y) cyclogermanates by liquid-phase precursor methods. *Journal of Physics and Chemistry of Solids*, **2017**, 103, 76-81	3.9	4
112	The effect of manganese oxidation state on antiferromagnetic order in SrMn1−SbxO3 (0 Journal of Materials Chemistry C, **2019**, 7, 2085-2095	7.1	4

111	Structure, magnetic and optical properties of Sr3RE2(Ge3O9)2 cyclogermanates (RE = La□d). *CrystEngComm*, **2018**, 20, 2404-2412	3.3	4
110	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
109	K2CaV2O7: a pyrovanadate with a new layered type of structure in the A2BV2O7 family. *Dalton Transactions*, **2013**, 42, 1057-64	4.3	4
108	Electronic structure and optical properties of ALa9-xEux(GeO4)6O2 (A = Li, Na, K, Rb, Cs, La1/3; x = 0, 0.07). *Journal of Alloys and Compounds*, **2017**, 727, 390-397	5.7	4
107	Synthesis and crystal structure of 3R and 1T? polytypes of NH4Sc(SO4)2. *Journal of Solid State Chemistry*, **2017**, 255, 50-60	3.3	4
106	Synthesis and properties of the high-pressure phase CaCu2CoV4O12. *Russian Journal of Inorganic Chemistry*, **2011**, 56, 1717-1722	1.5	4
105	Crystal structure and spectroscopic properties of A[VO2(SO4)(H2O)2] □H2O (A = K, Rb, Tl, NH4) compounds. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 1415-1423	1.5	4
104	X-ray powder diffraction study of the products of thermobaric treatment of the Re0.67Rh0.33 solid solution. *Journal of Structural Chemistry*, **2008**, 49, 47-52	0.9	4
103	High-pressure high-temperature synthesis of Mn4Nb2O9. A XRD and TEM study. *Solid State Sciences*, **2002**, 4, 941-949	3.4	4
102	Phase transformations of the Re0.3Ir0.7 solid solution. *Journal of Structural Chemistry*, **2005**, 46, 474-478	0.9	4
101	Anhydrous tin and lead hexacyanoferrates (II). Part II. Electronic structure and chemical bonding. *Solid State Sciences*, **2001**, 3, 539-544	3.4	4
100	Synthesis, Crystal Structure, and Magnetic Properties of Complex Oxides Cu2BSbO6 (B = Mn, Fe, Ga) with a Bixbyite Structure. *Journal of Solid State Chemistry*, **1994**, 113, 132-137	3.3	4
99	Synthesis, high resolution electron microscopy and crystal structure refinement of the cluster compound Ba3Nb16O23 by X-ray and neutron diffraction. *Journal of Alloys and Compounds*, **1994**, 203, 209-216	5.7	4
98	Precursor technology for the production of white and color phosphors based on Al2O3:Ln (Ln=Eu3+, Tb3+ or Eu3+/Tb3+). *Journal of Solid State Chemistry*, **2020**, 292, 121699	3.3	4
97	Apatite-Like Complex Oxides in the Ca□Cr□Cu□O System: Synthesis, Crystal Structure, XPS and Magnetic Study. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5340-5346	2.3	4
96	Observation of ferromagnetism at room temperature in polycrystalline Zn1 □x Fe x O solid solutions synthesized by the precursor method. *Physics of the Solid State*, **2015**, 57, 1079-1088	0.8	3
95	Ion transport in dual-phase SrFe1□xO3□(x = 0.03 □0.10): effects of redox cycling. *Journal of Solid State Electrochemistry*, **2015**, 19, 841-849	2.6	3
94	Unusual intrinsic thermoluminescence in LiMgPO:Er. *Physical Chemistry Chemical Physics*, **2020**, 22, 27632-27644	3.3	3

93	Novel IR Phosphor Based on Sr3La2(Ge3O9)2 : Nd3+,Ho3+ Germanate. *Physics of the Solid State*, **2018**, 60, 364-369	0.8	3
92	Structural, Magnetic, and XPS Studies of the Double-Perovskite Mn2VSbO6. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 2907-2914	1.5	3
91	Thermal Expansion and Luminescent Properties of Triorthogermanates CaLa2-xEu x Ge3O10 (x = 0.0□.6). *Physics of the Solid State*, **2018**, 60, 370-375	0.8	3
90	Polymorphism and properties of ammonium scandium sulfate (NH4)3Sc(SO4)3: new intermediate compound in scandium production. *CrystEngComm*, **2018**, 20, 3772-3783	3.3	3
89	Precursor synthesis and magnetic properties of Cd 1□ Fe x O (0 ? x ? 0.07). *Mendeleev Communications*, **2017**, 27, 456-458	1.9	3
88	K3VO2(SO4)2: Formation conditions, crystal structure, and physicochemical properties. *Russian Journal of Inorganic Chemistry*, **2011**, 56, 18-25	1.5	3
87	Synthesis and physicochemical study of M4Na2V10O28 □10H2O (M=K, Rb, NH4). *Russian Journal of Inorganic Chemistry*, **2010**, 55, 162-166	1.5	3
86	Phases in the Mn□Nb□O system, formed by ammonolysis of mixtures of Mn acetate tetrahydrate and a Nb xerogel. *Materials Research Bulletin*, **1998**, 33, 1035-1044	5.1	3
85	Synthesis, crystal structure, and electronic properties of double orthovanadate Sr2Bi2/3 (VO4)2. *Doklady Physical Chemistry*, **2007**, 415, 186-189	0.8	3
84	Ba3 (VO4)2-K2 Ba(MoO4)2 and Pb3 (VO4)2-K2 Pb(MoO4)2 systems. *Russian Journal of Inorganic Chemistry*, **2008**, 53, 1632-1634	1.5	3
83	Synthesis of the LnNb7O12 (Ln = La, Ce, Pr) Discrete-cluster compounds. *Inorganic Materials*, **2006**, 42, 532-536	0.9	3
82	An insight into indium effect on the crystal structure and thermoluminescence of LiMgPO4: Combined experiment and ab initio calculations. *Journal of Alloys and Compounds*, **2020**, 846, 156242	5.7	3
81	Structure□uminescence relationship in Eu3+-doped Sr3La2(Ge3O9)2 phosphors. *Optical Materials*, **2019**, 87, 145-150	3.3	3
80	Thermal and Magnetic Properties of Maghemite □Fe2O3 Synthesized by a Precursor Method. *Doklady Chemistry*, **2018**, 481, 161-165	0.8	3
79	Upconversion luminescence and ratiometric temperature sensing behavior of Er3+/Yb3+-codoped CaY2Ge3O10 germanate. *Mendeleev Communications*, **2021**, 31, 113-115	1.9	3
78	Study of the Composition of a Precipitate Formed from Solutions for the Synthesis of Cathodic Materials Containing Manganese and Citric Acid. *Theoretical Foundations of Chemical Engineering*, **2021**, 55, 117-122	0.9	3
77	Self-Assembly of Hollow Bismuth Ferrite Spheres from Nitrate Solutions. *Journal of Electronic Materials*, **2019**, 48, 4959-4969	1.9	2
76	Precursor synthesis, magnetic properties and electronic band structure of Mg1-xFexO (0□□.075). *Journal of Alloys and Compounds*, **2019**, 789, 30-39	5.7	2

75	Synthesis and magnetic properties of nanocrystalline Zn1 Fe x O solid solutions. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 815-818	0.4	2
74	Hydrothermal synthesis and thermal stability of self-assembling NH4V3O7 microcrystals. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 653-657	1.5	2
73	Synthesis and crystal structure of a new hexagonal perovskite 7H-Ba7Li1.75Mn3.5O15.75 with Mn(4+)/Mn(5+) charge distribution. *Dalton Transactions*, **2015**, 44, 18527-35	4.3	2
72	Synthesis and electrical properties of new perovskite-like AMn3V4O12 (A = Ca, Ce, and Sm) compounds. *Bulletin of the Russian Academy of Sciences: Physics*, **2016**, 80, 620-623	0.4	2
71	Synthesis, structure and magnetic properties of new Ba(CoV1-xPxO4)2 x = 0.40.5. *Journal of Solid State Chemistry*, **2018**, 266, 174-180	3.3	2
70	Precursor-based synthesis of nanosized tungsten carbide WC and WC:nCo nanocomposites. *Doklady Physical Chemistry*, **2014**, 457, 104-107	0.8	2
69	Peculiarities of EPR in polycrystalline solid solutions Zn0.95Fe0.05O 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
68	Mutual cation substitutions in palmierite orthovanadates: M3(VO4)2M2Me2/3(VO4)2 systems where M = Sr, Ba, or Pb and Me = La or Bi. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 639-644	1.5	2
67	Crystal-chemical and physicochemical properties of complex cadmium oxides with pyrochlore and columbite type of structure. *Materials Chemistry and Physics*, **2015**, 168, 122-126	4.4	2
66	Synthesis and characterization of the new high pressure phases ACu3 V4O12(A=Gd, Tb, Er). *High Pressure Research*, **2013**, 33, 418-424	1.6	2
65	Phase Chemistry in the Ca-Mn-Sb-O System at 11601250 C. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2013**, 639, 2657-2663	1.3	2
64	Crystal structure and vibrational spectra of M[VO2(SeO4)(H2O)2]H2O (M = K, Rb, NH4). *Journal of Structural Chemistry*, **2011**, 52, 350-357	0.9	2
63	Formation of solid solutions in the Re-Rh system upon thermobaric treatment of nanosized metal powders. *Journal of Structural Chemistry*, **2011**, 52, 505-509	0.9	2
62	High-pressure nonstoichiometric phase Sm x Cu3V4O12. *Russian Journal of Inorganic Chemistry*, **2011**, 56, 919-923	1.5	2
61	Nonstoichiometric high-pressure phase of Tm x Cu3V4O12. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 1163-1165	0.4	2
60	Study of the Re0.50Rh0.50 products of thermobaric treatment. *Journal of Structural Chemistry*, **2009**, 50, 306-311	0.9	2
59	Synthesis and crystal structure of A4Ba(VO3)6 compounds. *Doklady Physical Chemistry*, **2008**, 421, 211-215	0.8	2
58	Crystal structure and spectroscopic properties of AVO2SO4 (A = K, Rb) compounds. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 1424-1429	1.5	2

57	Synthesis, crystal structure and vibrational spectra of KCrV2O7 and RbCrV2O7. *Solid State Sciences*, **2006**, 8, 1344-1352	3.4	2
56	High-pressure synthesis and magnetic properties of complex oxide Y2Cd2/3Re4/3O7. *Materials Research Bulletin*, **2006**, 41, 804-808	5.1	2
55	Synthesis and Structure of Sr1-xLixCuO2 (0. *Journal of Structural Chemistry*, **2003**, 44, 231-234	0.9	2
54	Luminescence Properties of Sr2La8 □xTmx(GeO4)6O2 Apatites (x = 0.1□1.0) in the Visible and Short-Wave IR Spectral Ranges. *Physics of the Solid State*, **2020**, 62, 1407-1414	0.8	2
53	A new polymorph of NH4V3O7: Synthesis, structure, magnetic and electrochemical properties. *Solid State Sciences*, **2016**, 61, 225-231	3.4	2
52	Crystal structure and luminescence properties of the barium europium tetragermanate Ba2Eu2Ge4O13. *Mendeleev Communications*, **2018**, 28, 661-662	1.9	2
51	New hexagonal perovskite with Mn4+and Mn5+at distinct structural positions. *Journal of Physics: Conference Series*, **2015**, 644, 012004	0.3	1
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