

# Vyacheslav Baumer

## List of Publications by Year in descending order

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160  
papers

1,599  
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394421

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501196

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g-index

166  
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166  
docs citations

166  
times ranked

1498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of TiO <sub>2</sub> nanoparticles out of fluoride solutions. Journal of Materials Research and Technology, 2022, 17, 2267-2279.	5.8	4
2	A novel IR-transparent Ho <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> –MgO nanocomposite ceramics for potential laser applications. Ceramics International, 2021, 47, 1399-1406.	4.8	6
3	Usage of Quantum Chemical Methods to Understand the Formation of Concomitant Polymorphs of Acetyl 2-( <i>N</i> -(2-Fluorophenyl)imino)coumarin-3-carboxamide. ACS Omega, 2021, 6, 3120-3129.	3.5	6
4	Aminomethanesulfonic Acids as Reaction Products in SO <sub>2</sub> –NH <sub>2</sub> Alk–CH <sub>2</sub> O–H <sub>2</sub> O Systems: Synthesis and Structure. Russian Journal of General Chemistry, 2021, 91, 173-180.	0.8	1
5	CRYSTAL STRUCTURE OF DOUBLE SODIUM–COPPER(II) PARATUNGSTATE, Na <sub>2</sub> Cu <sub>4</sub> [W <sub>12</sub> O <sub>40</sub> (OH) <sub>2</sub> ]·22H <sub>2</sub> O, AND MIXED COPPER(II) PARATUNGSTATE–HYDROXIDE, Cu <sub>5</sub> [W <sub>12</sub> O <sub>40</sub> (OH) <sub>2</sub> ]·2Cu(OH) <sub>2</sub> ·30H <sub>2</sub> O. Journal of Structural Chemistry, 2021, 62, 379-389.		1
6	XRD, NMR, FT-IR and DFT structural characterization of a novel organic-inorganic hybrid perovskite-type hexabromotellurate material. Journal of Molecular Structure, 2021, 1235, 130227.	3.6	11
7	On the protonation of a polysubstituted 1,2,4-triazole: A structural study of a hexabromotellurate salt. Journal of Molecular Structure, 2021, 1241, 130632.	3.6	8
8	Effect of MgO doping on the structure and optical properties of YAG transparent ceramics. Journal of the European Ceramic Society, 2020, 40, 861-866.	5.7	29
9	Influence of sintering temperature on structural and optical properties of Y <sub>2</sub> O <sub>3</sub> –MgO composite SPS ceramics. Ceramics International, 2020, 46, 6537-6543.	4.8	33
10	Heteropoly Decatungstolanthanidates(III) with Peacock–Weakley Type Anion: Synthesis and Crystal Structure of Isostructural Salts Na <sub>9</sub> [Ln(W <sub>5</sub> O <sub>18</sub> ) <sub>2</sub> ]·35H <sub>2</sub> O (Ln = Gd, Er). Journal of Chemical Crystallography, 2020, 50, 255-266.	1.1	3
11	Optical study of Y <sub>3-x</sub> GdxAl <sub>5</sub> O <sub>12</sub> :Ce crystals grown from the melt. Optical Materials, 2019, 96, 109283.	3.6	6
12	Formation peculiarities and optical properties of highly-doped (Y <sub>0.86</sub> La <sub>0.09</sub> Yb <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> transparent ceramics. Ceramics International, 2019, 45, 16002-16007.	4.8	6
13	Czochralski growth and characterization of Er <sup>3+</sup> , Yb <sup>3+</sup> :YCa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> single crystals. , 2019, , .		0
14	Fabrication and luminescent properties of (Y <sub>0.99</sub> Eu <sub>0.01</sub> ) <sub>2</sub> O <sub>3</sub> transparent nanostructured ceramics. Optical Materials, 2018, 78, 285-291.	3.6	3
15	Hexakis(dimethylsulfoxide-O)-cobalt(II) hexatungstate, [Co(C <sub>2</sub> H <sub>6</sub> SO) <sub>6</sub> OS] <sub>6</sub> [W <sub>6</sub> O <sub>19</sub> ]: synthesis from aqueous dimethylsulfoxide solution, crystal structure determination, FT-IR and Raman spectroscopy analysis, and surface micromorphology. Journal of Coordination Chemistry, 2018, 71, 444-456.	2.2	1
16	Structure disordering and thermal decomposition of manganese oxalate dihydrate, MnC <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O. Journal of Solid State Chemistry, 2018, 260, 87-94.	2.9	14
17	Nickel Decatungstate [Ni(C <sub>2</sub> H <sub>6</sub> SO) <sub>5</sub> (H <sub>2</sub> O)] <sub>2</sub> [W <sub>10</sub> O <sub>32</sub> ]: Synthesis from a Water-Dimethylsulfoxide Solution, Crystal Structure Determination, IR and Raman Spectroscopic Analysis, Surface Micromorphology. Journal of Structural Chemistry, 2018, 59, 145-153.	1.0	1
18	Flux Synthesis, Monoclinic Structure, and Luminescence of Europium(III)-Doped K <sub>3</sub> La(PO <sub>4</sub> ) <sub>2</sub> . Crystal Research and Technology, 2018, 53, 1800158.	1.3	7

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19	Synthesis, Crystal Structure, and Biological Activity of Ethyl 4-Methyl-2,2-dioxo-1H-2 $\lambda$ ,6,1-benzothiazine-3-carboxylate Polymorphic Forms. <i>Scientia Pharmaceutica</i> , 2018, 86, 21.	2.0	8
20	Structure transformations in nickel oxalate dihydrate NiC <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O and nickel formate dihydrate Ni(HCO <sub>2</sub> ) <sub>2</sub> ·2H <sub>2</sub> O during thermal decomposition. <i>Journal of Solid State Chemistry</i> , 2018, 266, 133-142.	2.9	20
21	Onium Sulfates and Hydrogen Sulfates: Products of Reactions of Sulfur(IV) Oxide with Aqueous Solutions of Alkylamines and Aniline. <i>Russian Journal of Inorganic Chemistry</i> , 2018, 63, 655-660.	1.3	1
22	Structure and decomposition of the silver formate Ag(HCO <sub>2</sub> ). <i>Journal of Solid State Chemistry</i> , 2017, 246, 264-268.	2.9	4
23	Structural-phase state and lasing of 5 at% Yb <sup>3+</sup> :Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> optical ceramics. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4115-4122.	5.7	16
24	The formation of two thiotriazoline polymorphs: study from the energetic viewpoint. <i>CrystEngComm</i> , 2017, 19, 2394-2401.	2.6	8
25	Polymorphism of anhydrous cadmium oxalate CdC <sub>2</sub> O <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 726, 751-757.	5.5	5
26	Single Crystals of KRE(MoO <sub>4</sub> ) <sub>2</sub> , (RE=Ce, Pr) Obtained from Fluorides: Scheelite-Related Structure and Luminescence. <i>Crystal Research and Technology</i> , 2017, 52, 1700222.	1.3	4
27	Onium salts of sulfur-containing oxyanions resulting from reaction of sulfur(IV) oxide with aqueous solutions of 1,2-diamines and morpholine. <i>Russian Journal of Inorganic Chemistry</i> , 2017, 62, 736-745.	1.3	3
28	Novel modification of anhydrous transition metal oxalates from powder diffraction. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 911-916.	0.5	3
29	Two pseudo-enantiomeric forms of N-benzyl-4-hydroxy-1-methyl-2,2-dioxo-1H-2 $\lambda$ ,6,1-benzothiazine-3-carboxamide and their analgesic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 411-415.	0.5	11
30	The effect of the precipitation conditions on the morphology and the sorption properties of CuS particles. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 448-453.	1.1	5
31	Phase formation in molten system (Na/K) <sub>2</sub> O·TiO <sub>2</sub> ·P <sub>2</sub> O <sub>5</sub> . Crystal structures of NASICON and langbeinite-related phosphates (K/Na) <sub>1+x</sub> Ti <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> (x = 0 and 0.357). <i>Crystal Research and Technology</i> , 2016, 51, 627-633.	1.3	6
32	Interaction products in the system sulfur dioxide·2,2'-bipyridine·water. Van der Waals clathrates. <i>Russian Journal of General Chemistry</i> , 2016, 86, 2037-2041.	0.8	0
33	Features of YAG crystal growth under Ar+CO reducing atmosphere. <i>Journal of Crystal Growth</i> , 2016, 449, 104-107.	1.5	13
34	Effect of Nd <sup>3+</sup> ions on phase transformations and microstructure of 4 at.% Nd <sup>3+</sup> :Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 686, 526-532.	5.5	18
35	Peculiarity of formation of the NASICON-related phosphates in the space group R32: synthesis and crystal structures of Na <sub>4</sub> MIIAl(PO <sub>4</sub> ) <sub>3</sub> (MII= Mg, Mn). <i>Structural Chemistry</i> , 2016, 27, 323-330.	2.0	15
36	Synthesis and Crystal Structure of Cadmium(II) Dichloroquasalicylidenesemicarbazone. <i>Chemistry and Chemical Technology</i> , 2016, 10, 285-290.	1.1	0

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37	Interaction in the molten system $Rb_{2}O \cdot 2CaO \cdot 5SiO_{2} \cdot TiO_{2} \cdot NiO$ . Crystal structure of the langbeinite-related $Rb_{2}Ni_{0.5}Ti_{1.5}(PO_{4})_{3}$ . Crystal Research and Technology, 2015, 50, 549-555.	1.3	6
38	Synthesis, morphology and structure of the dense $(Y_{1-x}Eu_{x})_{2}O_{3}$ spherical shape particles. Crystal Research and Technology, 2015, 50, 621-625.	1.3	2
39	Microstructure evolution of $SiO_{2}$ , $ZrO_{2}$ -doped $Y_{3}Al_{5}O_{12}:Nd^{3+}$ ceramics obtained by reactive sintering. Ceramics International, 2015, 41, 11966-11974.	4.8	16
40	Sodium heteropolyhexamolybdenumnickelate (II) $Na_{4}[Ni(OH)_{6}Mo_{6}O_{18}] \cdot 16H_{2}O$ with an anderson anion: Synthesis and crystal structure. Journal of Structural Chemistry, 2015, 56, 926-933.	1.0	8
41	Synthesis, crystal structure, and spectral characteristics of N-(tert-butyl)aminomethanesulfonic acid. Russian Journal of General Chemistry, 2015, 85, 2282-2284.	0.8	8
42	Synthesis and chemical properties of 4-aryl-3-methyl-4,10-dihydroindeno[1,2-b]pyrazolo-[4,3-e]pyridin-5-ones. Russian Journal of Organic Chemistry, 2015, 51, 1597-1605.	0.8	8
43	Activated sterically strained C=N bond in N-substituted p-quinone mono- and diimines: XV. Synthesis, structure, and reactions with alcohols of N-carbamoyl-1,4-benzoquinone imines. Russian Journal of Organic Chemistry, 2015, 51, 1739-1744.	0.8	5
44	Characterization of bismuth germanate crystals grown by EFG method. Crystal Research and Technology, 2015, 50, 150-154.	1.3	2
45	Structure and morphology of spherical crystalline $(Y_{1-x}Eu_{x})_{2}O_{3}$ particles. Inorganic Materials, 2015, 51, 51-56.	0.8	4
46	The use of microwave irradiation for zeolite regeneration in a continuous ethanol dewatering process. Chemical Engineering and Processing: Process Intensification, 2015, 95, 151-158.	3.6	7
47	$Nd^{3+}:Y_{3}Al_{5}O_{12}$ laser ceramics: Influence of the size of yttrium oxide particles on sintering. Crystallography Reports, 2015, 60, 299-305.	0.6	10
48	Specific features of the structure of ZnO nanocrystals grown in pores of $Y_{2}O_{3}$ spherical matrices. Crystallography Reports, 2015, 60, 293-298.	0.6	0
49	Methylammonium sulfate: Synthesis and structure. Russian Journal of Inorganic Chemistry, 2015, 60, 1199-1203.	1.3	8
50	Growth and characterization of large $CeAlO_{3}$ perovskite crystals. Journal of Crystal Growth, 2015, 430, 116-121.	1.5	25
51	Phase formation in the system $Co^{2+} \cdot WO_{4}^{2-} \cdot H^{+} \cdot C_{3}H_{7}NO \cdot H_{2}O$ . Synthesis, crystal structure, and characterization of cobalt(II) decatungstate $[Co(C_{3}H_{7}NO)_{5}W_{10}O_{32}]$ . Journal of Coordination Chemistry, 2015, 58, 4170-4183.	2.2	7
52	Synthesis and Crystal Structure of Potassium-Nickel Heteropoly Hexatungstonickelate (II) $K_{3}Ni_{0.5}[Ni(OH)_{6}W_{6}O_{18}] \cdot 12H_{2}O$ with Anderson-Type Anion and Potassium-Nickel Paratungstate B $K_{6}Ni_{2}[W_{12}O_{40}(OH)_{2}] \cdot 22H_{2}O$ . Journal of Cluster Science, 2015, 26, 1171-1186.	3.3	8
53	Influence of Time-Temperature Parameters on the Structure and Photoluminescence of $(Y_{1-x}Eu_{x})_{2}O_{3}$ Crystalline Spheres. Journal of Materials Engineering and Performance, 2015, 24, 859-863.	2.5	0
54	Growth of Ce-doped LGSO fiber-shaped crystals by the micro pulling down technique. Journal of Crystal Growth, 2015, 412, 95-102.	1.5	12

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55	Equilibria in the acidified aqueous dimethylformamide solutions of tungstate anion. Synthesis, crystal structure and characterization of novel decatungstate $[Ba(H_2O)_2(C_3H_7NO)_3]_2[W_{10}O_32]$ . Journal of Coordination Chemistry, 2015, 68, 1-17.	2.2	15
56	Role of anion composition of aqueous solution in forming morphology and surface of particles Fe <sub>2</sub> O <sub>3</sub> in the course of deposition and their sorption properties. Russian Journal of Applied Chemistry, 2014, 87, 1060-1064.	0.5	4
57	Crystal structure of double sodium-copper(II) paratungstate B: Na <sub>2</sub> Cu <sub>3</sub> (CuOH) <sub>2</sub> [W <sub>12</sub> O <sub>40</sub> (OH) <sub>2</sub> ] $\cdot$ 32H <sub>2</sub> O. Journal of Structural Chemistry, 2014, 55, 879-886.	1.0	8
58	Transformation-assisted consolidation of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanospheres as a concept to optical nanograin ceramics. Ceramics International, 2014, 40, 3561-3569.	4.8	18
59	Low-agglomerated yttria nanopowders via decomposition of sulfate-doped precursor with transient morphology. Journal of Rare Earths, 2014, 32, 320-325.	4.8	15
60	Synthesis, crystal structure, vibrational spectra, and thermochemical transformations of tris(hydroxymethyl)aminomethane. Russian Journal of Inorganic Chemistry, 2014, 59, 1-6.	1.3	12
61	KNi <sub>0.93</sub> Fe <sup>II</sup> <sub>0.07</sub> Fe <sup>III</sup> (PO <sub>4</sub> ) <sub>2</sub> : a new type of structure for a compound of composition $M^I M^{II} M^{III} (PO_4)_2$ . Acta Crystallographica Section C. Structural Chemistry, 2014, 70, 160-164.	0.5	6
62	Crystallization of $M^I Ge_2 (PO_4)_3$ ( $M^I = Na$ ). Tj ETQq0 0 0 rgBT /Overlo	1.3	8
63	Some characteristic features of formation of composite material based on KDP single crystal with incorporated Al <sub>2</sub> O <sub>3</sub> $\cdot$ nH <sub>2</sub> O nanoparticles. Crystal Research and Technology, 2014, 49, 345-352.	1.3	6
64	Phase formation and densification peculiarities of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Nd <sup>3+</sup> during reactive sintering. Journal of Crystal Growth, 2014, 401, 839-843.	1.5	19
65	The solid solution K <sub>3.84</sub> Ni <sub>0.78</sub> Fe <sub>3.19</sub> (PO <sub>4</sub> ) <sub>5</sub> . Acta Crystallographica Section E: Structure Reports Online, 2014, 70, i39-i40.	0.2	1
66	Effect of precipitation conditions on the particle size and optical properties of ZnS. Inorganic Materials, 2014, 50, 651-655.	0.8	4
67	Synthesis and structure of N-(hydroxyethyl)ethylenediammonium sulfite monohydrate. Russian Journal of Inorganic Chemistry, 2014, 59, 541-544.	1.3	9
68	Preparation and some physicochemical properties of benzylammonium sulfates. Russian Journal of General Chemistry, 2014, 84, 637-641.	0.8	5
69	Obtaining a ZnSe furnace charge from aqueous solution. Nanotechnology Perceptions, 2014, 10, 154-163.	0.2	1
70	Effects of phase and chemical composition of precursor on structural and morphological properties of (Lu <sub>0.95</sub> Eu <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> nanopowders. Ceramics International, 2013, 39, 2397-2404.	4.8	20
71	Synthesis and structure of aminoguanidinium sulfite monohydrate. Russian Journal of Inorganic Chemistry, 2013, 58, 843-847.	1.3	15
72	Microwave Synthesis of ZnSe. Journal of Materials Engineering and Performance, 2013, 22, 1637-1641.	2.5	5

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73	Formation of ZnS nano- and microparticles from thiourea solutions. <i>Advanced Powder Technology</i> , 2013, 24, 1017-1022.	4.1	9
74	Luminescent and scintillation properties of orthotantalates with common formulae $RETaO_4$ ( $RE=Y, Sc$ ). <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> 2013, 178, 1491-1496.	3.5	41
75	Activated sterically strained C=N bond in N-substituted p-quinone mono- and diimines: XIV. Reaction of some 3,5-dimethyl-1,4-benzoquinone monoimines with alcohols. <i>Russian Journal of Organic Chemistry</i> , 2013, 49, 49-59.	0.8	3
76	Crystal structure of sodium-strontium paratungstate B, $Na_6Sr_2[W_{12}O_{40}(OH)_2] \cdot 24H_2O$ . <i>Journal of Structural Chemistry</i> , 2013, 54, 97-103.	1.0	4
77	Surface magnetic anisotropy of $CoFe_2O_4$ nanoparticles with a giant low-temperature hysteresis. <i>Low Temperature Physics</i> , 2013, 39, 365-369.	0.6	9
78	Synthesis, crystal structure, and spectral characteristics of N-(Hydroxyethyl)aminomethanesulfonic acid. <i>Russian Journal of General Chemistry</i> , 2013, 83, 969-971.	0.8	10
79	Phase relations in $M_2IO \cdot P_2O_5 \cdot Fe_2O_3 \cdot CaO(CaF_2)$ ( $M = Na, K$ ) high-temperature solutions and the structure of $Na_{2.5}CaFe_{1.5}(PO_4)_3$ . <i>Inorganic Materials</i> , 2013, 49, 709-714.	0.8	1
80	$KMg_0.09Fe_{1.91}(PO_4)_2$ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, i51-i51.	0.2	3
81	NASICON-related $Na_{3.4}Mn_{0.4}Fe_{1.6}(PO_4)_3$ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, i55-i55.	0.2	5
82	Synthesis and structure of N-aryl(phenoxy, benzylidene)acetyl-1,4-benzoquinone monoimines. <i>Russian Journal of Organic Chemistry</i> , 2012, 48, 1309-1319.	0.8	8
83	Preparation of isoindolo[2,1-a]quinoxalines based on N-(2-aminophenyl)isoindole derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 1033-1042.	1.2	9
84	Emission centers in $Ca_{1-x}Pr_xF_{2+x}$ ( $x = 0.35$ ) solid solutions. <i>Journal of Applied Spectroscopy</i> , 2012, 79, 589-594.	0.7	1
85	Structure and phosphorescence of meta-bromobenzophenone crystal. <i>Journal of Molecular Structure</i> , 2012, 1021, 162-166.	3.6	6
86	Products of interaction between Sulfur(IV) oxide and aqueous solutions of hexamethylenediamine and tert-Butylamine: The crystal structure of hexamethylenediammonium sulfate dihydrate. <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 1559-1562.	1.3	7
87	Structure and scintillation yield of Ce-doped $Al^{3+}$ substituted yttrium garnet. <i>Materials Research Bulletin</i> , 2012, 47, 3249-3252.	5.2	59
88	Structure-driven mixed-site borate-phosphate $K_5Ta_8BP_4O_{34}$ : synthesis, structural, spectroscopic and theoretical study. <i>CrystEngComm</i> , 2012, 14, 5071.	2.6	7
89	$K_2M^{III}_2(M^{VI}O_4)(PO_4)_2$ ( $M^{VI} = Fe, Sc; M^{sup>VI} = Mo, W$ ), Novel Members of the Lagbeinite-Related Family: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 1380-1385.	4.0	16
90	An approach to $Y_2O_3:Eu^{3+}$ optical nanostructured ceramics. <i>Journal of the European Ceramic Society</i> , 2012, 32, 257-260.	5.7	21

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91	Growth and characterization of tetragonal structure modification of $\text{Gd}_2\text{Si}_2\text{O}_7\text{:Ce}$ . Journal of Alloys and Compounds, 2011, 509, 8478-8482.	5.5	16
92	Growth and luminescent properties of $\text{Lu}_2\text{SiO}_5\text{:Ce}$ and $(\text{Lu}_{1-x}\text{Gd}_x)_2\text{SiO}_5\text{:Ce}$ single crystalline films. Journal of Crystal Growth, 2011, 337, 72-80.	1.5	26
93	Crystallization from high-temperature solutions in the $\text{K}_2\text{O-P}_2\text{O}_5\text{-V}_2\text{O}_5\text{-Bi}_2\text{O}_3$ system. Inorganic Materials, 2011, 47, 156-162.	0.8	1
94	Crystal structure of nickel paratungstate $\text{Ni}_5[\text{W}_{12}\text{O}_{40}(\text{OH})_2] \cdot 37\text{H}_2\text{O}$ . Journal of Structural Chemistry, 2011, 52, 111-117.	1.0	10
95	Features of interaction in the sulfur(IV) oxide-hexamethylenetetramine-water system: A first example of identification of the product with a sulfur-carbon bond. Russian Journal of General Chemistry, 2011, 81, 620-621.	0.8	12
96	The assessment of the possibility of using slag in producing ferronickel for purification of wastewaters. Journal of Water Chemistry and Technology, 2011, 33, 261-265.	0.6	1
97	Modification of the Pictet-Spengler reaction in the synthesis of fused 2,3-benzodiazocines. Chemistry of Heterocyclic Compounds, 2011, 47, 1006-1013.	1.2	4
98	Synthesis and characterization of phosphates in molten systems $\text{Cs}_2\text{O} \cdot \text{P}_2\text{O}_5 \cdot \text{CaO} \cdot \text{MIII}_2\text{O}_3$ (MIII = Al, Fe). <i>Journal of Crystal Growth</i> , 2011, 318, 805-808.	1.5	39
99	Growth of bulk gadolinium pyrosilicate single crystals for scintillators. Journal of Crystal Growth, 2011, 318, 805-808.	1.5	39
100	Nature of dual fluorescence in 2-(quinolin-2-yl)-3-hydroxychromone: Tuning between concurrent H-bond directions and ESIPT pathways. Journal of Luminescence, 2011, 131, 253-261.	3.1	24
101	Redetermination of $\text{Ag}_3\text{PO}_4$ . Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i22-i22.	0.2	2
102	Synthesis and crystal structure of hydrogen strontium paratungstate $\text{Sr}_{4.5}\text{H}[\text{W}_{12}\text{O}_{40}(\text{OH})_2] \cdot 30\text{H}_2\text{O}$ . Russian Journal of Inorganic Chemistry, 2010, 55, 683-691.	1.3	3
103	Fabrication of heterostructures based on layered nanocrystalline silicon carbide polytypes. Semiconductors, 2010, 44, 816-823.	0.5	6
104	Impact of Lu/Gd ratio and activator concentration on structure and scintillation properties of $\text{Lu}_2\text{SiO}_5\text{:Ce}$ crystals. Journal of Crystal Growth, 2010, 312, 601-606.	1.5	45
105	Gadolinium pyrosilicate single crystals for gamma ray and thermal neutron monitoring. Radiation Measurements, 2010, 45, 365-368.	1.4	39
106	Structure and magnetic properties of $\text{AgFeP}_2\text{O}_7$ . Journal of Solid State Chemistry, 2010, 183, 1473-1476.	2.9	12
107	Peculiarities of cascade photon emission and energy storage in $\text{M}_2\text{Pr}_x\text{F}_{2+x}$ (M=Ca, Sr, Ba, $x \approx 0.35$ ) crystals. Journal of Luminescence, 2010, 130, 2277-2280.	3.1	1
108	Unexpected alternative direction of a Biginelli-like multicomponent reaction with 3-amino-1,2,4-triazole as the urea component. Tetrahedron Letters, 2010, 51, 2095-2098.	1.4	50

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109	Influence of sulfate ions on properties of co-precipitated Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Nd <sup>3+</sup> nanopowders. Journal of Alloys and Compounds, 2010, 508, 200-205.	5.5	22
110	Equilibrium in the acidified aqueous solutions of tungstate anion: synthesis of Co(II) isopolytungstates. Crystal structure of Co(II) paratungstate B Co <sub>5</sub> [W <sub>12</sub> O <sub>40</sub> (OH) <sub>2</sub> ] · 37H <sub>2</sub> O. Journal of Coordination Chemistry, 2010, 63, 1678-1689.	2.2	14
111	1-(8-Bromo-2-methyl-4-thioxo-3,4,5,6-tetrahydro-2H-2,6-methano-1,3-benzoxazin-11-yl)ethanone. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o461-o461.	0.2	3
112	Phase formation in the Ni <sup>2+</sup> -WO <sub>4</sub> <sup>2-</sup> -H <sub>2</sub> O system (Z = 1.00). Crystal structure and properties of sodium heteropolyhexatungsten nickelate(2+) Na <sub>4</sub> [Ni(OH) <sub>6</sub> W <sub>6</sub> O <sub>18</sub> ] · 16H <sub>2</sub> O. Journal of Structural Chemistry, 2009, 50, 296-305.	1.0	14
113	Luminescence of heavily Ce-doped alkaline-earth fluorides. Journal of Luminescence, 2009, 129, 1538-1541.	3.1	14
114	Peculiarities of the growth of PbWO <sub>4</sub> :Nd <sup>3+</sup> and PbMoO <sub>4</sub> :Nd <sup>3+</sup> single crystals. Crystallography Reports, 2009, 54, 697-701.	0.6	12
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