Inna Baklanova

List of Publications by Year
in descending order

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83	459	840119 11	996533 15
papers	citations	h-index	g-index

83	83	83	427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Photophysical Studies of 2â€(Thiophenâ€2â€yl)â€4â€(morpholinâ€4â€yl)quinazoline Derivatives. European Journal of Organic Chemistry, 2016, 2016, 2876-2881.	1.2	20
2	Magnetic and optical properties as well as EPR studies of polycrystalline ZnO synthesized from different precursors. Materials Research Bulletin, 2018, 97, 553-559.	2.7	18
3	Effect of doping with 3d elements (Co, Ni, Cu) on the intrinsic defect structure and photocatalytic properties of nanostructured ZnO with tubular morphology of aggregates. Physics of the Solid State, 2013, 55, 2459-2465.	0.2	17
4	Sensitized IR luminescence in Ca3Y2Ge3O12: Nd3+, Ho3+ under 808 nm laser excitation. Ceramics International, 2018, 44, 6959-6967.	2.3	16
5	Structural and chemical mechanism underlying formation of Zn2SiO4:Mn crystalline phosphor properties. Journal of Alloys and Compounds, 2020, 820, 153129.	2.8	16
6	Luminescence in Ln2CaGe4O12 under infrared laser excitation. Journal of Luminescence, 2009, 129, 1625-1628.	1.5	15
7	Electronic band structure, optical absorption, and photocatalytic activity of iron-doped anatase. Physics of the Solid State, 2013, 55, 1903-1912.	0.2	15
8	Concentration growth of luminescence intensity of phosphor Zn 2-2x Mn 2x SiO 4 (Ñ... â‰ 0.13): Crystal-chemical and quantum-mechanical justification. Materials Research Bulletin, 2018, 97, 182-188.	2.7	14
9	The effect of Mg introduction on structural and luminescence properties of Zn2SiO4:Mn phosphor. Journal of Alloys and Compounds, 2020, 845, 156296.	2.8	14
10	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.	0.2	13
11	Synthesis, spectral, optical and photocatalytic properties of vanadium- and carbon-doped titanium dioxide with three-dimensional architecture of aggregates. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 314, 6-13.	2.0	12
12	Synthesis, optical properties, and photocatalytic activity of lanthanide-doped anatase. Russian Journal of Inorganic Chemistry, 2014, 59, 29-33.	0.3	11
13	Structural, electronic, and optical studies of BaRE2Ge3O10 (RE = Y, Sc, Gdâ€“Lu) germanates with a special focus on the [Ge3O10]8â^' geometry. CrystEngComm, 2019, 21, 6491-6502.	1.3	11
14	Vibrational Spectra of Sulfoborate Glasses. Inorganic Materials, 2005, 41, 1128-1130.	0.2	10
15	The luminescence properties of Î³-Al 2 O 3 :C produced by precursor method. Journal of Alloys and Compounds, 2017, 698, 1102-1110.	2.8	10
16	Synthesis, spectroscopic and luminescence properties of Gaâ€“doped Î³â€“Al2O3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117658.	2.0	10
17	Synthesis and optical and photocatalytic properties of manganese-doped titanium oxide with a three-dimensional architecture of particles. Mendeleev Communications, 2016, 26, 335-337.	0.6	9
18	Synthesis, structure, optical and photocatalytic properties of copper-activated ZnO. Mendeleev Communications, 2017, 27, 410-412.	0.6	9

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19	Structure and properties of glasses in the MgSO4-Na2B4O7-KPO3 system. Glass Physics and Chemistry, 2009, 35, 580-585.	0.2	8
20	Optical and Photocatalytic Properties of Carbon-Activated Anatase with Spherical Shape of Aggregates. Catalysis Letters, 2015, 145, 1290-1300.	1.4	8
21	Fe and C doped TiO2 with different aggregate architecture: Synthesis, optical, spectral and photocatalytic properties, first-principle calculation. Journal of Physics and Chemistry of Solids, 2017, 111, 473-486.	1.9	8
22	Spectroscopic and voltammetric characteristics of Î±-Zn2SiO4:V luminophor. Russian Journal of Physical Chemistry A, 2017, 91, 1824-1827.	0.1	8
23	Title is missing!. Russian Journal of Applied Chemistry, 2002, 75, 1748-1752.	0.1	7
24	Synthesis, structure, and properties of V2O3(XO4)2 (X = S, Se). Russian Journal of Inorganic Chemistry, 2010, 55, 501-507.	0.3	7
25	Glycolate Ti1 â^' x Fe x (OCH2CH2O)2 â^' x/2 as a precursor for the preparation of quasi-one-dimensional (1D) solid solutions Ti1 â^' x Fe x O2 â^' 2x/2 (0 â‰ x â‰ 0.1). Russian Journal of Inorganic Chemistry, 2013, 58, 120-126.	0.3	7
26	Origin of the Concentration Quenching of Luminescence in Zn2SiO4:Mn Phosphors. Physics of the Solid State, 2019, 61, 806-810.	0.2	7
27	Thermally stimulated infrared shift of cadmium oxide optical absorption band edge. Materials Science in Semiconductor Processing, 2021, 124, 105605.	1.9	7
28	Effect of Cu+ ions on the structure, morphology, optical and photocatalytic properties of nanostructured ZnO. Materials Characterization, 2021, 179, 111384.	1.9	7
29	Janus ZnS nanoparticles: Synthesis and photocatalytic properties. Journal of Physics and Chemistry of Solids, 2022, 161, 110459.	1.9	7
30	Title is missing!. Russian Journal of Applied Chemistry, 2001, 74, 945-949.	0.1	6
31	Crystal structure and spectroscopic properties of AVO2SO4 (A = K, Rb) compounds. Russian Journal of Inorganic Chemistry, 2007, 52, 1424-1429.	0.3	6
32	Synthesis and vibrational spectra of solid solutions based on lanthanum gallate. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1343-1346.	0.1	6
33	Synthesis, structure and spectroscopic characteristics of Ti(O,C)2/carbon nanostructured globules with visible light photocatalytic activity. Bulletin of Materials Science, 2016, 39, 1569-1579.	0.8	6
34	Synthesis, crystal structure and optical properties of Me(OH)(HCOO)₂ (Me = Al, Ga). CrystEngComm, 2018, 20, 2741-2748.	1.3	6
35	Thermal and Magnetic Properties of Maghemite Î³-Fe2O3 Synthesized by a Precursor Method. Doklady Chemistry, 2018, 481, 161-165.	0.2	6
36	High-Pressure Eu3+ â†' Eu2+ Reduction in a Matrix with the Structure of Apatite Silicate. Russian Journal of Physical Chemistry A, 2020, 94, 2467-2473.	0.1	6

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37	Crystal structure and spectroscopic properties of A[VO2(SO4)(H2O)2] Â· H2O (A = K, Rb, Tl, NH4) compounds. Russian Journal of Inorganic Chemistry, 2007, 52, 1415-1423.	0.3	5
38	Stability of the anatase phase in nanodimensional titanium dioxide doped with europium(III), samarium(III), and iron(III). Theoretical and Experimental Chemistry, 2011, 47, 215-218.	0.2	5
39	Synthesis and luminescent properties of Al1â€“x Tbx(HCOO)3 and Al2â€“2x Tb2xO3. Mendeleev Communications, 2015, 25, 209-210.	0.6	5
40	NH4V3O7: Synthesis, morphology, and optical properties. Russian Journal of Inorganic Chemistry, 2016, 61, 1584-1590.	0.3	5
41	The effect of preparation method on the defect structure and luminescence properties of Î³-Al2O3. Mendeleev Communications, 2018, 28, 668-670.	0.6	5
42	Precursor technology for the production of white and color phosphors based on Al2O3:Ln (Ln=Eu3+,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	5
43	Hydration and proton transport in solid solutions based on Ba2CaWO6. Russian Journal of Physical Chemistry A, 2009, 83, 197-202.	0.1	4
44	K3VO2(SO4)2: Formation conditions, crystal structure, and physicochemical properties. Russian Journal of Inorganic Chemistry, 2011, 56, 18-25.	0.3	4
45	Preparation, morphology, and luminescent properties of europium-doped nanodispersed scandium sesquioxide. Russian Journal of Inorganic Chemistry, 2012, 57, 1529-1534.	0.3	4
46	Electronic band structure and optical absorption of nanotubular zinc oxide doped with Iron, Cobalt, or Copper. Physics of the Solid State, 2013, 55, 2450-2458.	0.2	4
47	New Nanosized Luminophores Obtained via Evaporation of REE Silicates and Germanates. Physics of the Solid State, 2019, 61, 925-934.	0.2	4
48	Synthesis, structure, optical, voltammetric and photocatalytic properties of manganese-activated ZnO. Journal of Materials Science: Materials in Electronics, 2019, 30, 8820-8831.	1.1	4
49	Synthesis and physicochemical study of M4Na2V10O28 Â· 10H2O (M=K, Rb, NH4). Russian Journal of Inorganic Chemistry, 2010, 55, 162-166.	0.3	3
50	Observation of ferromagnetism at room temperature in polycrystalline Zn1 â^' x Fe x O solid solutions synthesized by the precursor method. Physics of the Solid State, 2015, 57, 1079-1088.	0.2	3
51	Synthesis, structure, and optical and photocatalytic properties of quasi-one-dimensional ZnO doped with Đ¡Đ¾3O4 and carbon. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 1298-1302.	0.1	3
52	Precursor synthesis of maghemite and its adsorption properties with respect to bivalent copper ions. Adsorption, 2018, 24, 629-636.	1.4	3
53	Sorption Properties of MIU-S Coal Sorbent in Relation to Nickel(II) Ions. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 469-474.	0.3	3
54	Glass formation and vibrational spectra of glasses in the RSO4-Na2B4O7-K2SO4 (R = Mg, Ca, Sr, Ba) systems. Glass Physics and Chemistry, 2006, 32, 634-637.	0.2	2

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55	Synthesis and properties of M2V8O21 (M = K, Tl) octavanadates and K2â^'x Tl x V8O21 (0 â‰¤ x â‰¤ 2) solid solutions. Russian Journal of Inorganic Chemistry, 2009, 54, 1537-1542.	0.3	2
56	Glycolate Ti1 â^' x Ln x (OCH2CH2O)2 â^' x/2 as an efficient precursor for synthesis of titanium dioxide doped with lanthanides Ti1 â^' x Ln x O2 â^' x/2. Doklady Chemistry, 2011, 437, 112-115.	0.2	2
57	Crystal structure and vibrational spectra of M[VO2(SeO4)(H2O)2]Â·H2O (M = K, Rb, NH4). Journal of Structural Chemistry, 2011, 52, 350-357.	0.3	2
58	Synthesis, optical properties, and defective structure of carbon-doped titanium dioxide. Doklady Chemistry, 2013, 452, 211-214.	0.2	2
59	Combustion in the Cu(NO3)2â^'Al(NO3)3â^'H2Oâ€“Polyvinyl Alcohol System: Synthesis of CuO/Al2O3. Combustion, Explosion and Shock Waves, 2019, 55, 167-176.	0.3	2
60	Synthesis and Crystal-Chemical, Thermal, and Spectrochemical Properties of the Zn2 â€“ 2xNi2xSiO4 Solid Solution with a Willemite Structure. Russian Journal of Inorganic Chemistry, 2020, 65, 1535-1540.	0.3	2
61	Synthesis, crystal structure, and vibrational spectra of cesium dioxovanadium(V) sulfate CsVO2SO4. Doklady Chemistry, 2007, 415, 172-175.	0.2	1
62	The effect of divalent cations on the structural parameters, phase transitions, and electrical conductivity of oxygen conductors based on LaGaO3. Doklady Chemistry, 2009, 427, 194-198.	0.2	1
63	Synthesis, crystal structure, and vibrational spectra of M4V2O3(SO4)4 (M = K, Rb, Cs). Russian Journal of Inorganic Chemistry, 2011, 56, 491-500.	0.3	1
64	Synthesis, structure, and physicochemical properties of K[VO2(SeO4)(H2O)] and K[VO2(SeO4)(H2O)2] Â·H2O. Russian Journal of Inorganic Chemistry, 2011, 56, 1168-1177.	0.3	1
65	Synthesis, crystal structure, and vibrational spectra of MVO(SO4)2 (M = Rb, Cs, or Tl). Russian Journal of Inorganic Chemistry, 2013, 58, 127-133.	0.3	1
66	Optical properties, emission characteristics, and photocatalytic activity of nanosize titanium dioxide doped with europium. Nanotechnologies in Russia, 2014, 9, 502-510.	0.7	1
67	Morphology, absorption spectra, and photocatalytic activity of nanosized solid solution Ti1 â^' x Eu x O2 â^' x/2. Doklady Physical Chemistry, 2014, 457, 112-115.	0.2	1
68	Mechanism of the formation of photosensitive nanostructured TiO2 with low content of CdS nanoparticles. Doklady Physical Chemistry, 2016, 467, 56-59.	0.2	1
69	Synthesis, structure, and photocatalytic properties of Zn1â€“x Cu x O: CuO composites with various morphologies of aggregates. Doklady Chemistry, 2017, 474, 105-108.	0.2	1
70	Photocatalytic Properties of Hollow BiFeO3 Spheres. Russian Journal of Applied Chemistry, 2019, 92, 113-121.	0.1	1
71	Amorphous nanostructured composites Al2O3:nC with enhanced sorption affinity to La(III), Ce(III), U(VI) ions in aqueous solution. Inorganic Chemistry Communication, 2022, 138, 109313.	1.8	1
72	Blue- and white-emitting Dy3+-doped aluminum oxide prepared using precursor synthesis. Journal of Physics and Chemistry of Solids, 2022, 165, 110683.	1.9	1

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73	Sorption of copper(II) ions from aqueous solution by activated carbon BAU-A and coal sorbent MIU-S. The relationship between the structure of sorbents and their sorption properties. Water Science and Technology, 0, , .	1.2	1
74	New materials for stimulated Raman scattering laser crystals of the IR range. Doklady Physical Chemistry, 2008, 418, 30-35.	0.2	0
75	Synthesis, structure, and properties of M3VO2(SO4)2 (M = Rb, Cs). Russian Journal of Inorganic Chemistry, 2010, 55, 1331-1338.	0.3	0
76	Synthesis, structure, and properties of M[VO2(XO4)(H2O)2] Â· H2O (X = S, M = K, Rb, NH4, Tl; X = Se, M = K,) Tj ETQq0 0 0 rgBT /Overlo	0.3	0
77	Structure and luminescence properties of nanostructured solid-state solutions of Sc1â€“x Eu x (CH3CO2)3. Theoretical and Experimental Chemistry, 2012, 48, 113-117.	0.2	0
78	Luminescent properties of europium-doped zinc formate and oxide. Theoretical and Experimental Chemistry, 2013, 49, 235-240.	0.2	0
79	Synthesis, crystal structure, and Raman spectra of mixed oxides K2Pb(MoO4)2â€“x (CrO4) x and K2 â€“ x Pb1 + x (MoO4)(CrO4)1 â€“ x (VO4) x , where x = 0â€“1. Russian Journal of Inorganic Chemistry, 2016, 61, 1097-1103.	0.3	0
80	Surface-Modified CdS/ZnO Material: Single-Reactor Synthesis and Mechanism of Formation in Aqueous Solution. Russian Journal of Applied Chemistry, 2018, 91, 454-462.	0.1	0
81	Phosphor for the Near-IR and Short-Wave IR Ranges Based on a Garnet Structured Cubic Modification of Lithiumâ€“Lanthanum Niobate. Physics of the Solid State, 2019, 61, 874-880.	0.2	0
82	Crystal Structure of (NH4)2VO(SO4)2Â·H2O. Journal of Structural Chemistry, 2019, 60, 796-802.	0.3	0
83	Precursor synthesis and properties of iron and lithium co-doped cadmium oxide. Journal of Electroceramics, 0, , 1.	0.8	0