Yana V Baklanova

List of Publications by Year
in descending order

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		840776	839539
41	394	11	18
papers	citations	h-index	g-index

42	42	42	412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extreme behavior of Li-ion conductivity in the Li2Oâ€“Al2O3â€“P2O5 glass system. Journal of Non-Crystalline Solids, 2015, 430, 64-72.	3.1	38
2	Defect crystal structure of new TiO(OH)2 hydroxide and related lithium salt Li2TiO3. Dalton Transactions, 2010, 39, 8168.	3.3	36
3	Localization of vacancies and mobility of lithium ions in Li2ZrO3 as obtained by 6,7Li NMR. Journal of Solid State Chemistry, 2013, 208, 43-49.	2.9	30
4	New Solid Electrolyte Na₉Al(MoO₄)₆: Structure and Na⁺ Ion Conductivity. Chemistry of Materials, 2017, 29, 8901-8913.	6.7	29
5	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.	5.5	24
6	Novel orange-red-emitting Li5+Ca La3-Ta2O12:Sm3+ (x = 0; 1) phosphors: Crystal structure, luminescence and thermal quenching studies. Journal of Luminescence, 2020, 224, 117315.	3.1	17
7	Sensitized IR luminescence in Ca3Y2Ge3O12: Nd3+, Ho3+ under 808 nm laser excitation. Ceramics International, 2018, 44, 6959-6967.	4.8	16
8	Mechanism of Sodium-Ion Diffusion in Alluaudite-Type Na₅Sc(MoO₄)₄ from NMR Experiment and Ab Initio Calculations. Journal of Physical Chemistry C, 2019, 123, 4729-4738.	3.1	16
9	A red-emitting phosphor based on Eu³⁺-doped Li₆SrLa₂Ta₂O₁₂ garnets for solid state lighting applications. Materials Research Express, 2019, 6, 066201.	1.6	15
10	Synthesis and characterisation of new MO(OH)₂(M = Zr, Hf) oxyhydroxides and related Li₂MO₃salts. Dalton Transactions, 2014, 43, 2755-2763.	3.3	12
11	Nd3+, Ho3+-codoped garnet-related Li7La3Hf2O12 phosphor with NIR luminescence. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 105-109.	3.9	11
12	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.	2.6	11
13	Coexistence of Two Types of Lithium Motion in Monoclinic Li₂HfO₃: ^{6,7}Li NMR and Ab Initio Calculation Results. Journal of Physical Chemistry C, 2016, 120, 23911-23921.	3.1	10
14	Synthesis and luminescence properties of Tb3+ and Dy3+ doped Li7La3Hf2O12 with tetragonal garnet structure. Optical Materials, 2019, 87, 122-126.	3.6	10
15	Synthesis, spectroscopic and luminescence properties of Gaâ€“doped Î³â€“Al2O3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117658.	3.9	10
16	Coexistence of three types of sodium motion in double molybdate Na₉Sc(MoO₄)₆: ²³Na and ⁴⁵Sc NMR data and ab initio calculations. Physical Chemistry Chemical Physics, 2020, 22, 144-154.	2.8	9
17	Crystal structure, luminescence properties and thermal stability of BaY2â^'xEuxGe3O10 phosphors with high colour purity for blue-excited pc-LEDs. New Journal of Chemistry, 2020, 44, 16400-16411.	2.8	9
18	Stabilization of cubic Li7La3Hf2O12 by Al-doping. Journal of Power Sources, 2018, 391, 26-33.	7.8	8

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19	Photo- and radioluminescence of lithium hafnate Li2HfO3. Optical Materials, 2012, 34, 1037-1041.	3.6	7
20	Synthesis and optical properties of cerium doped Li7La3Hf2O12 with tetragonal garnet structure. Journal of Luminescence, 2018, 194, 193-199.	3.1	7
21	Defect Crystal Structure of Low Temperature Modifications of Li₂MO₃ (M=Ti,) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	6
22	Nd³⁺,Ho³⁺-Codoped apatite-related NaLa₉(GeO₄)₆O₂ phosphors for the near- and middle-infrared region. Dalton Transactions, 2018, 47, 14041-14051.	3.3	5
23	Precursor technology for the production of white and color phosphors based on Al2O3:Ln (Ln=Eu3+,) Tj ETQq1 1 0.784314 rgBT /Ove	2.9	5
24	Structural and optical characterization of Tm3+-doped apatite related NaLa9(GeO4)6O2 phosphors. Ceramics International, 2020, 46, 26416-26424.	4.8	5
25	Revealing sodium-ion diffusion in alluaudite-type Na4â€“2M1+(MoO4)3 (M = Mg, Zn, Cd) from 23Na MAS NMR and ab initio studies. Journal of Solid State Chemistry, 2021, 293, 121800.	2.9	5
26	Synthesis and physicochemical properties of Li2 Me x Zr1 â^' x O3 â^' Î´ (Me = Nb, Ti; x = 0.05, 0.1) solid solutions. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 320-322.	0.6	4
27	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.	4.0	4
28	Electronic structure and optical properties of ALa9-Eu (GeO4)6O2 (AÂ=ÂLi, Na, K, Rb, Cs, La1/3; xÂ=Â0, 0.07). Journal of Alloys and Compounds, 2017, 727, 390-397.	5.5	4
29	Structure, magnetic and optical properties of Sr₃RE₂(Ge₃O₉)₂ cyclogermanates (RE = Laâ€“Gd). CrystEngComm, 2018, 20, 2404-2412.	2.6	4
30	Structureâ€“luminescence relationship in Eu3+-doped Sr3La2(Ge3O9)2 phosphors. Optical Materials, 2019, 87, 145-150.	3.6	4
31	Luminescence Properties of Sr2La8Ââ€“ÂxTmx(GeO4)6O2 Apatites (x = 0.1â€“1.0) in the Visible and Short-Wave IR Spectral Ranges. Physics of the Solid State, 2020, 62, 1407-1414.	0.6	4
32	Na9In(MoO4)6: synthesis, crystal structure, and Na+ ion diffusion. Ionics, 2021, 27, 4281-4293.	2.4	4
33	Structural and spectroscopic characterization of a new series of Ba₂RE₂Ge₄O₁₃(RE = Pr, Nd, Gd, and Dy) and Ba₂Gd_{2â^'x}Eu_xGe₄O₁₃tetragermanates. Dalton Transactions, 2021, 50, 10935-10946.	3.3	4
34	Finely dispersed phases of MO(OH)2 (M = Zr, Hf) oxyhydroxides. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 1118-1120.	0.6	3
35	Crystal and Electronic Structures of Alluaudite-Type Double Molybdates of Scandium and Indium. Journal of Structural Chemistry, 2019, 60, 1868-1876.	1.0	3
36	Intrinsic defects and their influence on optical properties of ALa9(GeO4)6O2 (AÂ= Li, Na, K, Rb, Cs) oxyapatites prepared by spray pyrolysis. Journal of Alloys and Compounds, 2020, 839, 155609.	5.5	2

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37	Crystal structure of a new HfO(OH)₂ oxyhydroxide. Powder Diffraction, 2013, 28, S510-S518.	0.2	1
38	Crystal structure, infrared luminescence and magnetic properties of Tm3+-doped and Tm3+-, Dy3+-codoped BaY2Ge3O10 germanates. Journal of Materials Science: Materials in Electronics, 2021, 32, 14976-14989.	2.2	1
39	Blue- and white-emitting Dy3+-doped aluminum oxide prepared using precursor synthesis. Journal of Physics and Chemistry of Solids, 2022, 165, 110683.	4.0	1
40	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.	0.6	0
41	New phase within the SrOâ€“RĐ•2O3â€“GeO2 (RĐ• = Dyâ€“Lu) systems: Synthesis and quantum-chemical modeling. Journal of Physics and Chemistry of Solids, 2020, 138, 109241.	4.0	0