Aleksey V Ishchenko

List of Publications by Year
in descending order

56 papers	891 citations	686830 13 h-index	476904 29 g-index
57 all docs	57 docs citations	57 times ranked	1078 citing authors

#	Article	IF	Citations
1	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	6.0	487
2	Fabrication, optical and scintillation properties of transparent YAG:Ce ceramics. Optical Materials, 2017, 71, 98-102.	1.7	50
3	Synthesis, crystal structure and luminescent properties of pyrovanadates A2CaV2O7 (A=Rb, Cs). Solid State Sciences, 2009, 11, 726-732.	1.5	27
4	Annama H chondriteâ€"Mineralogy, physical properties, cosmic ray exposure, and parent body history. Meteoritics and Planetary Science, 2017, 52, 1525-1541.	0.7	22
5	Structural, vibrational, electronic, and luminescence properties of the cyclotetravanadatesA2M(VO3)4(A=Na,Ag;M=Ca,Sr). Physical Review B, 2008, 77, .	1.1	21
6	Ce-doped Li6Ln(BO3)3 (Ln=Y, Gd) Single crystals fibers grown by micro-pulling down method and luminescence properties. Optical Materials, 2013, 35, 868-874.	1.7	21
7	Thermochemical and luminescent properties of RbVO3, CsVO3, and Rb0.5Cs0.5VO3. Inorganic Materials, 2011, 47, 1126-1131.	0.2	17
8	Synthesis and optical properties of nanostructured ZnS and heteronanostructures based on zinc and silver sulfides. Journal of Alloys and Compounds, 2020, 831, 154846.	2.8	17
9	Ultrafast hybrid nanocomposite scintillators: A review. Journal of Luminescence, 2022, 242, 118534.	1.5	15
10	Thermal stability and cathodoluminescence of potassium strontium vanadates. Inorganic Materials, 2009, 45, 428-431.	0.2	14
11	Synthesis and luminescence properties of Eu2+- and Ce3+-doped AlONs. Ceramics International, 2016, 42, 286-293.	2.3	14
12	Thermochemical and luminescent properties of the K2MgV2O7 and M2CaV2O7 (M = K, Rb, Cs) vanadates. Inorganic Materials, 2010, 46, 522-528.	0.2	13
13	Preparation and luminescent properties of rubidium and cesium vanadates. Inorganic Materials, 2014, 50, 179-183.	0.2	13
14	Effect of dopant concentration on the phase composition and luminescence properties of Eu2+- and Ce3+-doped AlONs. Inorganic Materials, 2015, 51, 473-481.	0.2	13
15	Fabrication and characterization ofIRâ€transparent Fe2+doped MgAl2O4ceramics. Journal of the American Ceramic Society, 2019, 102, 4757-4764.	1.9	11
16	Crystal structure, dielectric, and optical properties of Î²-calcium orthophosphates heavily doped with ytterbium. Journal of Alloys and Compounds, 2019, 787, 1301-1309.	2.8	11
17	Synthesis and cathodoluminescence characteristics of europium-doped Ca-sialons. Inorganic Materials, 2012, 48, 827-831.	0.2	10
18	Synthesis and luminescence properties of Eu2+/Ce3+, Ce3+/Tb3+ and Eu2+/Tb3+ co-doped AlONs. Journal of Alloys and Compounds, 2021, 887, 161410.	2.8	10

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19	Photo- and radioluminescence of lithium hafnate Li2HfO3. Optical Materials, 2012, 34, 1037-1041.	1.7	7
20	Synthesis and optical properties of cerium doped Li7La3Hf2O12 with tetragonal garnet structure. Journal of Luminescence, 2018, 194, 193-199.	1.5	7
21	Radiation-Induced Effects in Ce3+- and Eu2+-Doped Al5O6N. Inorganic Materials, 2018, 54, 446-453.	0.2	7
22	Scintillation Neutron Detectors Based on [sup 6]Li-Silica Glass Doped with Cerium. Physics of the Solid State, 2005, 47, 1412.	0.2	6
23	The effect of the synthesis method on the morphological and luminescence characteristics of Î±-Zn2V2O7. Russian Journal of Inorganic Chemistry, 2017, 62, 269-274.	0.3	6
24	Structural, Optical, Luminescence, and Electrical Properties of Eu/Li- and Eu/Na-Codoped Magnesium Bismuth Niobate Pyrochlores. Inorganic Chemistry, 0, , .	1.9	6
25	Luminescence properties of Li6GdB3O9:Ce crystal fibers upon their excitation in the range of 4d â†' 4f core transitions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 115, 68-78.	0.2	5
26	Luminescence mechanism and energy transfer in cesium metavanadate CsVO3. Radiation Measurements, 2019, 124, 48-53.	0.7	5
27	Temperature dependent quantum cutting in cubic BaGdF₅:Eu³⁺ nanophosphors. New Journal of Chemistry, 2021, 45, 1463-1473.	1.4	5
28	Influence of grain size on luminescence properties of micro- and nanopowder Zn2V2O7 vanadate. Radiation Measurements, 2016, 90, 33-37.	0.7	4
29	Thermoluminescence of aluminum oxynitride doped with Ce3+ and Eu2+ ions. AIP Conference Proceedings, 2017, , .	0.3	4
30	Synthesis and Luminescent Properties of Bismuth Titanates Bi1.6HoxTi2O7Ââ€“ÂÎ´ and Bi1.6Mg0.1HoxTi2O7Ââ€“ÂÎ´. Physics of the Solid State, 2019, 61, 867-873.	0.2	4
31	Synthesis and Luminescence Properties of Tb3+-Doped Aluminum Oxynitride. Inorganic Materials, 2019, 55, 1223-1229.	0.2	4
32	Atomic-force microscopy of erythrocytes and metabolic disorders in experimental diabetes mellitus and during the correction of diabetes with lipoic acid. Biophysics (Russian Federation), 2016, 61, 906-910.	0.2	3
33	Automated installation for organic coatings deposition by vacuum thermal evaporation method. AIP Conference Proceedings, 2017, , .	0.3	3
34	Radioluminescence properties of nanocomposite scintillators with BaF₂ fillers. Journal of Physics: Conference Series, 2018, 1115, 052009.	0.3	3
35	Ce:YAG transparent ceramics based on nanopowders produced by laser ablation method: Fabrication, optical and scintillation properties. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 351-359.	0.2	3
36	Hexametavanadates M 4 + M2+(VO3)6: Thermal stability and luminescent characteristics. Russian Journal of Inorganic Chemistry, 2009, 54, 1543-1550.	0.3	2

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37	Radiation optical effects in commercial SiO₂:Ge fibers. Journal of Physics: Conference Series, 2014, 552, 012036.	0.3	2
38	Radioluminescent properties of Eu2+-doped aluminum oxynitride. AIP Conference Proceedings, 2016, , .	0.3	2
39	Simulation of communication line for down hole telemetry systems. AIP Conference Proceedings, 2016, , .	0.3	2
40	Luminescent properties of Eu2+ in AlON, SiAlON, Ca-SiAlON oxynitrides. AIP Conference Proceedings, 2018, , .	0.3	2
41	Ce:YAG ceramics: the influence of the synthesis technology features on the luminescent and the optical properties. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012013.	0.3	2
42	Effect of the sintering aids on optical and luminescence properties of Ce:YAG ceramics. IOP Conference Series: Materials Science and Engineering, 2019, 525, 012035.	0.3	2
43	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.	2.8	2
44	Structure and luminescent properties of Cs2Sr(VO3)4:Mn2+. Inorganic Materials, 2012, 48, 520-524.	0.2	1
45	Thermal and luminescent properties of M2Zn(VO3)4 (M = Rb, Cs). Inorganic Materials, 2013, 49, 834-838.	0.2	1
46	Thermoexoelectronic and thermoluminescent properties of transparent YAG:Nd and YAG:Yb nanoceramics. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 921-924.	0.1	1
47	Synthesis and luminescent properties of Sr 2 Gd 6.8 Eu 1.2 Si 6(1âˆ'x) P 6x O 26 oxyapatites. Journal of Luminescence, 2016, 169, 137-142.	1.5	1
48	CaF2 additives for nanocomposite scintillators. AIP Conference Proceedings, 2017, , .	0.3	1
49	Luminescence properties of nanocrystalline BaF2 synthesized by laser ablation technique and pulsed electron beam evaporation method. AIP Conference Proceedings, 2018, , .	0.3	1
50	Influence of luminescent additives on the optical and luminescent properties of organic polymers. AIP Conference Proceedings, 2019, , .	0.3	1
51	Thick-film carbon-containing electrodes modified with multi-walled carbon nanotubes in adsorptive stripping voltammetry of iron(III). Russian Journal of Applied Chemistry, 2015, 88, 699-705.	0.1	0
52	Electronic structure and luminescence properties of Ca2Ge7O16:Dy3+. EPJ Web of Conferences, 2017, 132, 03027.	0.1	0
53	Downhole telemetry system reliability calculation and improvement. AIP Conference Proceedings, 2017, , .	0.3	0
54	Submersible telemetry system downhole unit model for the petroleum industry. AIP Conference Proceedings, 2017, , .	0.3	0

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55	Technical equipment of radon advective flux density measurements from the soil. AIP Conference Proceedings, 2019, , .	0.3	0
56	The neutron detector based on cerium doped 6Li-silicate glass. AIP Conference Proceedings, 2019, , .	0.3	0