

Aleksey V Ishchenko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultrafast hybrid nanocomposite scintillators: A review. Journal of Luminescence, 2022, 242, 118534.	1.5	15
2	Temperature dependent quantum cutting in cubic BaGdF ₅ :Eu ³⁺ nanophosphors. New Journal of Chemistry, 2021, 45, 1463-1473.	1.4	5
3	Synthesis and luminescence properties of Eu ²⁺ /Ce ³⁺ , Ce ³⁺ /Tb ³⁺ and Eu ²⁺ /Tb ³⁺ co-doped ALONs. Journal of Alloys and Compounds, 2021, 887, 161410.	2.8	10
4	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
5	Intrinsic defects and their influence on optical properties of Al ₉ (GeO ₄) ₆ O ₂ (A = Li, Na, K, Rb, Cs) oxyapatites prepared by spray pyrolysis. Journal of Alloys and Compounds, 2020, 839, 155609.	2.8	2
6	Fabrication and characterization of IR-transparent Fe ²⁺ -doped MgAl ₂ O ₄ ceramics. Journal of the American Ceramic Society, 2019, 102, 4757-4764.	1.9	11
7	Synthesis and Luminescent Properties of Bismuth Titanates Bi _{1.6} HoxTi ₂ O ₇ and Bi _{1.6} Mg _{0.1} HoxTi ₂ O ₇ . Physics of the Solid State, 2019, 61, 867-873.	0.2	4
8	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
9	Luminescence mechanism and energy transfer in cesium metavanadate CsVO ₃ . Radiation Measurements, 2019, 124, 48-53.	0.7	5
10	Crystal structure, dielectric, and optical properties of β -calcium orthophosphates heavily doped with ytterbium. Journal of Alloys and Compounds, 2019, 787, 1301-1309.	2.8	11
11	Technical equipment of radon advective flux density measurements from the soil. AIP Conference Proceedings, 2019, , .	0.3	0
12	Synthesis and Luminescence Properties of Tb ³⁺ -Doped Aluminum Oxynitride. Inorganic Materials, 2019, 55, 1223-1229.	0.2	4
13	The neutron detector based on cerium doped 6Li-silicate glass. AIP Conference Proceedings, 2019, , .	0.3	0
14	Influence of luminescent additives on the optical and luminescent properties of organic polymers. AIP Conference Proceedings, 2019, , .	0.3	1
15	Synthesis and optical properties of cerium doped Li ₇ La ₃ Hf ₂ O ₁₂ with tetragonal garnet structure. Journal of Luminescence, 2018, 194, 193-199.	1.5	7
16	Radioluminescence properties of nanocomposite scintillators with BaF ₂ fillers. Journal of Physics: Conference Series, 2018, 1115, 052009.	0.3	3
17	Luminescence properties of nanocrystalline BaF ₂ synthesized by laser ablation technique and pulsed electron beam evaporation method. AIP Conference Proceedings, 2018, , .	0.3	1
18	Luminescent properties of Eu ²⁺ in ALON, SiALON, Ca-SiALON oxynitrides. AIP Conference Proceedings, 2018, , .	0.3	2

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19	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
20	Radiation-Induced Effects in Ce ³⁺ - and Eu ²⁺ -Doped Al ₅ O ₆ N. Inorganic Materials, 2018, 54, 446-453.	0.2	7
21	Fabrication, optical and scintillation properties of transparent YAG:Ce ceramics. Optical Materials, 2017, 71, 98-102.	1.7	50
22	Electronic structure and luminescence properties of Ca ₂ Ge ₇ O ₁₆ :Dy ³⁺ . EPJ Web of Conferences, 2017, 132, 03027.	0.1	0
23	Annama H chondriteâ€™ Mineralogy, physical properties, cosmic ray exposure, and parent body history. Meteoritics and Planetary Science, 2017, 52, 1525-1541.	0.7	22
24	The effect of the synthesis method on the morphological and luminescence characteristics of $\text{Zn}_2\text{V}_2\text{O}_7$. Russian Journal of Inorganic Chemistry, 2017, 62, 269-274.	0.3	6
25	Thermoluminescence of aluminum oxynitride doped with Ce ³⁺ and Eu ²⁺ ions. AIP Conference Proceedings, 2017, , .	0.3	4
26	CaF ₂ additives for nanocomposite scintillators. AIP Conference Proceedings, 2017, , .	0.3	1
27	Automated installation for organic coatings deposition by vacuum thermal evaporation method. AIP Conference Proceedings, 2017, , .	0.3	3
28	Downhole telemetry system reliability calculation and improvement. AIP Conference Proceedings, 2017, , .	0.3	0
29	Submersible telemetry system downhole unit model for the petroleum industry. AIP Conference Proceedings, 2017, , .	0.3	0
30	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
31	Radioluminescent properties of Eu ²⁺ -doped aluminum oxynitride. AIP Conference Proceedings, 2016, , .	0.3	2
32	Simulation of communication line for down hole telemetry systems. AIP Conference Proceedings, 2016, , .	0.3	2
33	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
34	Influence of grain size on luminescence properties of micro- and nanopowder Zn ₂ V ₂ O ₇ vanadate. Radiation Measurements, 2016, 90, 33-37.	0.7	4
35	Synthesis and luminescent properties of Sr ₂ Gd _{6.8} Eu _{1.2} Si ₆ (1-x)P _{6x} O ₂₆ oxyapatites. Journal of Luminescence, 2016, 169, 137-142.	1.5	1
36	Synthesis and luminescence properties of Eu ²⁺ - and Ce ³⁺ -doped AlONs. Ceramics International, 2016, 42, 286-293.	2.3	14

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37	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
38	Effect of dopant concentration on the phase composition and luminescence properties of Eu ²⁺ - and Ce ³⁺ -doped AlONs. Inorganic Materials, 2015, 51, 473-481.	0.2	13
39	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
40	Radiation optical effects in commercial SiO ₂ :Ge fibers. Journal of Physics: Conference Series, 2014, 552, 012036.	0.3	2
41	Preparation and luminescent properties of rubidium and cesium vanadates. Inorganic Materials, 2014, 50, 179-183.	0.2	13
42	Luminescence properties of Li ₆ GdB ₃ O ₉ :Ce crystal fibers upon their excitation in the range of 4d → 4f core transitions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2013, 115, 68-78.	0.2	5
43	Thermal and luminescent properties of M ₂ Zn(VO ₃) ₄ (M = Rb, Cs). Inorganic Materials, 2013, 49, 834-838.	0.2	1
44	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	6.0	487
45	Ce-doped Li ₆ Ln(BO ₃) 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
46	Structure and luminescent properties of Cs ₂ Sr(VO ₃) ₄ :Mn ²⁺ . Inorganic Materials, 2012, 48, 520-524.	0.2	1
47	Photo- and radioluminescence of lithium hafnate Li ₂ HfO ₃ . Optical Materials, 2012, 34, 1037-1041.	1.7	7
48	Synthesis and cathodoluminescence characteristics of europium-doped Ca-sialons. Inorganic Materials, 2012, 48, 827-831.	0.2	10
49	Thermochemical and luminescent properties of RbVO ₃ , CsVO ₃ , and Rb _{0.5} Cs _{0.5} VO ₃ . Inorganic Materials, 2011, 47, 1126-1131.	0.2	17
50	Thermochemical and luminescent properties of the K ₂ MgV ₂ O ₇ and M ₂ CaV ₂ O ₇ (M = K, Rb, Cs) vanadates. Inorganic Materials, 2010, 46, 522-528.	0.2	13
51	Synthesis, crystal structure and luminescent properties of pyrovanadates A ₂ CaV ₂ O ₇ (A=Rb, Cs). Solid State Sciences, 2009, 11, 726-732.	1.5	27
52	Thermal stability and cathodoluminescence of potassium strontium vanadates. Inorganic Materials, 2009, 45, 428-431.	0.2	14
53	Hexametavanadates M ₄ + M ₂ +(VO ₃) ₆ : Thermal stability and luminescent characteristics. Russian Journal of Inorganic Chemistry, 2009, 54, 1543-1550.	0.3	2
54	Structural, vibrational, electronic, and luminescence properties of the cyclotetrametavanadates A ₂ M(VO ₃) ₄ (A=Na,Ag;M=Ca,Sr). Physical Review B, 2008, 77, .	1.1	21

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55	Scintillation Neutron Detectors Based on ⁶ Li-Silica Glass Doped with Cerium. <i>Physics of the Solid State</i> , 2005, 47, 1412.	0.2	6
56	Structural, Optical, Luminescence, and Electrical Properties of Eu/Li- and Eu/Na-Codoped Magnesium Bismuth Niobate Pyrochlores. <i>Inorganic Chemistry</i> , 0, , .	1.9	6