

V V Boiko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fabrication and long persistent luminescence of Ce ³⁺ -Cr ³⁺ co-doped yttrium aluminum gallium garnet transparent ceramics. <i>Journal of Rare Earths</i> , 2022, 40, 1699-1705.	4.8	7
2	Effect of Graphene Addition on the Thermal and Persistent Luminescence Properties of Gd _{2.994} Ce _{0.006} Ga ₃ Al ₂ O ₁₂ and Gd _{2.964} Ce _{0.006} Dy _{0.03} Ga ₃ Al ₂ O ₁₂ Ceramics. <i>Materials</i> , 2022, 15, 2606.	2.9	0
3	Effect of Yb ³⁺ concentration on the optical properties and trap creation in CsPbCl ₃ perovskite powder. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164216.	5.5	11
4	Insights into the Relationship between Crystallite Size, Sintering Pressure, Temperature Sensitivity, and Persistent Luminescence Color of Gd _{2.97} Pr _{0.03} Ga ₃ Al ₂ O ₁₂ Powders and Ceramics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7127-7142.	3.1	8
5	Size-Dependent Persistent Luminescence of YAGG:Cr ³⁺ Nanophosphors. <i>Materials</i> , 2022, 15, 4407.	2.9	3
6	Effect of Nd concentration on persistent luminescence of Y ₃ Al ₂ Ga ₃ O ₁₂ :Ce ³⁺ ,Cr ³⁺ ,Nd ³⁺ ceramics for the near-infrared region. <i>Journal of Luminescence</i> , 2022, 250, 119115.	3.1	3
7	Energy transfer study in GdVO ₄ : Bi ³⁺ , Yb ³⁺ obtained by microwave-assisted hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158393.	5.5	6
8	Effect of annealing temperature on persistent luminescence of Y ₃ Al ₂ Ga ₃ O ₁₂ :Cr ³⁺ co-doped with Ce ³⁺ and Pr ³⁺ . <i>Optical Materials</i> , 2021, 111, 110522.	3.6	15
9	Particle size-related limitations of persistent phosphors based on the doped Y ₃ Al ₂ Ga ₃ O ₁₂ system. <i>Scientific Reports</i> , 2021, 11, 141.	3.3	28
10	Graphene Coating Obtained in a Cold-Wall CVD Process on the Co-Cr Alloy (L-605) for Medical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2917.	4.1	2
11	Electronic structure engineering of Gd _{2.97} Tb _{0.03} Ga _{5-x} Al _x O ₁₂ persistent luminescence phosphors. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161745.	5.5	2
12	Effect of Ce ³⁺ concentration on persistent luminescence of YAGG:Ce ³⁺ ,Cr ³⁺ ,Nd ³⁺ nanophosphors obtained by the co-precipitation method. <i>Optical Materials</i> , 2020, 107, 109956.	3.6	19
13	Phospholipid distribution in the cytoplasmic membrane of Gram-negative bacteria is highly asymmetric, dynamic, and cell shape-dependent. <i>Science Advances</i> , 2020, 6, eaaz6333.	10.3	81
14	Laser induced anti-Stokes emission from graphene nanoparticles infiltrated into opal based photonic structure. <i>Optical Materials</i> , 2020, 101, 109744.	3.6	12
15	Effect of annealing treatment on the persistent luminescence of Y ₃ Al ₂ Ga ₃ O ₁₂ :Ce ³⁺ ,Cr ³⁺ ,Pr ³⁺ ceramics. <i>Optical Materials</i> , 2020, 105, 109888.	3.6	16
16	Persistent luminescence from Y ₃ Al ₂ Ga ₃ O ₁₂ doped with Ce ³⁺ and Cr ³⁺ after X-ray and blue light irradiation. <i>Journal of Rare Earths</i> , 2019, 37, 1200-1205.	4.8	32
17	Optical studies of Y ₃ (Al,Ga) ₅ O ₁₂ :Ce ³⁺ ,Cr ³⁺ ,Nd ³⁺ nano-phosphors obtained by the Pechini method. <i>Journal of Rare Earths</i> , 2019, 37, 1132-1136.	4.8	16
18	Up-converting ALD/MLD thin films with Yb ³⁺ , Er ³⁺ in amorphous organic framework. <i>Journal of Luminescence</i> , 2019, 213, 310-315.	3.1	13

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19	In situ Raman study of laser-induced stabilization of reduced nanoceria (CeO_2^x) supported on graphene. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 490-498.	2.5	9
20	Vibrational spectra of DNA in the confined interglobular volume of photonic crystal. <i>Journal of Biological Physics</i> , 2018, 44, 101-116.	1.5	4
21	Optical properties of graphene oxide coupled with 3D opal based photonic crystal. <i>Optical Materials</i> , 2018, 86, 326-330.	3.6	5
22	Angular shaping of fluorescence from synthetic opal-based photonic crystal. <i>Nanoscale Research Letters</i> , 2015, 10, 97.	5.7	11
23	Luminescent Imaging of Biological Molecules and Cells on the Photonic Crystal Surface. <i>Springer Proceedings in Physics</i> , 2013, , 253-262.	0.2	3
24	Vibrational spectra of opal-based photonic crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 38, 012008.	0.6	8
25	New Optical Properties of Synthetic Opals Infiltrated by DNA. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 535, 30-41.	0.9	15
26	Ordered carbon nanotubes and globular opals as a model of multiscaling photonic crystals. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2008, 11, 392-395.	1.0	1