

Oleksandr Selyshchev

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

481
citations

840119

11
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin and Dynamics of Highly Efficient Broadband Photoluminescence of Aqueous Glutathione-Capped Size-Selected Ag ⁺ In ³⁺ S Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13648-13658.	1.5	88
2	Luminescence and photoelectrochemical properties of size-selected aqueous copper-doped Ag ⁺ In ³⁺ S quantum dots. <i>RSC Advances</i> , 2018, 8, 7550-7557.	1.7	51
3	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10368-10374.	7.2	42
4	Green Aqueous Synthesis and Advanced Spectral Characterization of Size-Selected Cu ₂ ZnSnS ₄ Nanocrystal Inks. <i>Scientific Reports</i> , 2018, 8, 13677.	1.6	39
5	Origin of the Broadband Photoluminescence of Pristine and Cu ⁺ /Ag ⁺ -Doped Ultrasmall CdS and CdSe/CdS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10267-10277.	1.5	37
6	Brightly Luminescent Core/Shell Nanoplatelets with Continuously Tunable Optical Properties. <i>Advanced Optical Materials</i> , 2019, 7, 1801478.	3.6	33
7	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalyst-free Photoelectrochemical Water Reduction. <i>Angewandte Chemie</i> , 2019, 131, 10476-10482.	1.6	27
8	Raman and X-ray Photoemission Identification of Colloidal Metal Sulfides as Potential Secondary Phases in Nanocrystalline Cu ₂ ZnSnS ₄ Photovoltaic Absorbers. <i>ACS Applied Nano Materials</i> , 2020, 3, 5706-5717.	2.4	25
9	Phonon Spectra of Strongly Luminescent Nonstoichiometric Ag ⁺ In ³⁺ S, Cu ⁺ In ³⁺ S, and Hg ⁺ In ³⁺ S Nanocrystals of Small Size. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15511-15522.	1.5	17
10	Mercury-indium-sulfide nanocrystals: A new member of the family of ternary in based chalcogenides. <i>Journal of Chemical Physics</i> , 2019, 151, 144701.	1.2	15
11	Oxidation of Epitaxial Silicene on Ag(111). <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800432.	0.7	13
12	Raman study of flash-lamp annealed aqueous Cu ₂ ZnSnS ₄ nanocrystals. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 222-227.	1.5	12
13	Observation of Room-Temperature Dark Exciton Emission in Nanopatch-Decorated Monolayer WSe ₂ on Metal Substrate. <i>Advanced Optical Materials</i> , 2021, 9, 2101801.	3.6	11
14	Charge Carrier Transport, Trapping, and Recombination in PEDOT:PSS/n-Si Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 5983-5991.	2.5	9
15	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. <i>Materials</i> , 2021, 14, 3593.	1.3	9
16	Self-assembly of semiconductor quantum dots with porphyrin chromophores: Energy relaxation processes and biomedical applications. <i>Journal of Molecular Structure</i> , 2021, 1244, 131239.	1.8	9
17	Optical and Structural Characteristics of Rare Earth-Doped ZnO Nanocrystals Prepared in Colloidal Solution. <i>Photochem</i> , 2022, 2, 515-527.	1.3	8
18	Transport Properties of Se/As ₂ Se ₃ Nanolayer Superlattice Fabricated Using Rotational Evaporation. <i>Advanced Functional Materials</i> , 2019, 29, 1904758.	7.8	7

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19	Control of magneto-optical properties of cobalt-layers by adsorption of α -helical polyalanine self-assembled monolayers. Journal of Materials Chemistry C, 2020, 8, 11822-11829.	2.7	7
20	Structure and vibrational spectra of ReSe ₂ nanoplates. Journal of Raman Spectroscopy, 2020, 51, 1305-1314.	1.2	6
21	Photoinduced Enhancement of Photoluminescence of Colloidal II-VI Nanocrystals in Polymer Matrices. Nanomaterials, 2020, 10, 2565.	1.9	5
22	Room-Temperature Electron Paramagnetic Resonance Study of a Copper-Related Defect in Cu ₂ ZnSnS ₄ Colloidal Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 9923-9929.	1.5	4
23	Observation of two-level defect system in amorphous Se superlattices. Applied Physics Letters, 2020, 116, 192104.	1.5	3
24	Copper-Content Dependent Structural and Electrical Properties of CZTS Films Formed by "Green" Colloidal Nanocrystals. Electronic Materials, 2022, 3, 136-153.	0.9	2
25	INFLUENCE OF CALCINATION TEMPERATURE ON STRUCTURAL-DIMENSIONAL CHARACTERISTICS OF C,S-DOPED TiO ₂ NANOSTRUCTURES AND THEIR PHOTOCATALYTIC ACTIVITY IN THE CEFTAZIDIME AND DOXYCYCLINE PHOTODEGRADATION PROCESSES. Ukrainian Chemistry Journal, 2020, 86, 95-119.	0.1	1
26	Deposition of Nanosized Amino Acid Functionalized Bismuth Oxide Clusters on Gold Surfaces. Nanomaterials, 2022, 12, 1815.	1.9	1