Oleksandr Selyshchev

List of Publications by Year
in descending order

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26	481	840776 11	677142 22
papers	citations	h-index	g-index

27	27	27	616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origin and Dynamics of Highly Efficient Broadband Photoluminescence of Aqueous Glutathione-Capped Size-Selected Agâ€“Inâ€“S Quantum Dots. Journal of Physical Chemistry C, 2018, 122, 13648-13658.	3.1	88
2	Luminescence and photoelectrochemical properties of size-selected aqueous copper-doped Agâ€“Inâ€“S quantum dots. RSC Advances, 2018, 8, 7550-7557.	3.6	51
3	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalystâ€free Photoelectrochemical Water Reduction. Angewandte Chemie - International Edition, 2019, 58, 10368-10374.	13.8	42
4	â€œGreenâ€•Aqueous Synthesis and Advanced Spectral Characterization of Size-Selected Cu2ZnSnS4 Nanocrystal Inks. Scientific Reports, 2018, 8, 13677.	3.3	39
5	Origin of the Broadband Photoluminescence of Pristine and Cu⁺/Ag⁺-Doped Ultrasmall CdS and CdSe/CdS Quantum Dots. Journal of Physical Chemistry C, 2018, 122, 10267-10277.	3.1	37
6	Brightly Luminescent Core/Shell Nanoplatelets with Continuously Tunable Optical Properties. Advanced Optical Materials, 2019, 7, 1801478.	7.3	33
7	Molecular Engineering of Conjugated Acetylenic Polymers for Efficient Cocatalystâ€free Photoelectrochemical Water Reduction. Angewandte Chemie, 2019, 131, 10476-10482.	2.0	27
8	Raman and X-ray Photoemission Identification of Colloidal Metal Sulfides as Potential Secondary Phases in Nanocrystalline Cu₂ZnSnS₄ Photovoltaic Absorbers. ACS Applied Nano Materials, 2020, 3, 5706-5717.	5.0	25
9	Phonon Spectra of Strongly Luminescent Nonstoichiometric Agâ€“Inâ€“S, Cuâ€“Inâ€“S, and Hgâ€“Inâ€“S Nanocrystals of Small Size. Journal of Physical Chemistry C, 2020, 124, 15511-15522.	3.1	17
10	Mercury-indium-sulfide nanocrystals: A new member of the family of ternary in based chalcogenides. Journal of Chemical Physics, 2019, 151, 144701.	3.0	15
11	Oxidation of Epitaxial Silicene on Ag(111). Physica Status Solidi (B): Basic Research, 2019, 256, 1800432.	1.5	13
12	Raman study of flash-lamp annealed aqueous Cu₂ZnSnS₄ nanocrystals. Beilstein Journal of Nanotechnology, 2019, 10, 222-227.	2.8	12
13	Observation of Roomâ€Temperature Dark Exciton Emission in Nanopatchâ€Decorated Monolayer WSe₂ on Metal Substrate. Advanced Optical Materials, 2021, 9, 2101801.	7.3	11
14	Charge Carrier Transport, Trapping, and Recombination in PEDOT:PSS/n-Si Solar Cells. ACS Applied Energy Materials, 2019, 2, 5983-5991.	5.1	9
15	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. Materials, 2021, 14, 3593.	2.9	9
16	Self-assembly of semiconductor quantum dots with porphyrin chromophores: Energy relaxation processes and biomedical applications. Journal of Molecular Structure, 2021, 1244, 131239.	3.6	9
17	Optical and Structural Characteristics of Rare Earth-Doped ZnO Nanocrystals Prepared in Colloidal Solution. Photochem, 2022, 2, 515-527.	2.2	8
18	Transport Properties of Se/As 2 Se 3 Nanolayer Superlattice Fabricated Using Rotational Evaporation. Advanced Functional Materials, 2019, 29, 1904758.	14.9	7

#	Article	IF	Citations
19	Control of magneto-optical properties of cobalt-layers by adsorption of Î±-helical polyalanine self-assembled monolayers. Journal of Materials Chemistry C, 2020, 8, 11822-11829.	5.5	7
20	Structure and vibrational spectra of ReSe 2 nanoplates. Journal of Raman Spectroscopy, 2020, 51, 1305-1314.	2.5	6
21	Photoinduced Enhancement of Photoluminescence of Colloidal II-VI Nanocrystals in Polymer Matrices. Nanomaterials, 2020, 10, 2565.	4.1	5
22	Room-Temperature Electron Paramagnetic Resonance Study of a Copper-Related Defect in Cu₂ZnSnS₄ Colloidal Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 9923-9929.	3.1	4
23	Observation of two-level defect system in amorphous Se superlattices. Applied Physics Letters, 2020, 116, 192104.	3.3	3
24	Copper-Content Dependent Structural and Electrical Properties of CZTS Films Formed by â€œGreenâ€• Colloidal Nanocrystals. Electronic Materials, 2022, 3, 136-153.	1.9	2
25	INFLUENCE OF CALCINATION TEMPERATURE ON STRUCTURAL-DIMENSIONAL CHARACTERISTICS OF C,S-DOPED TiO2 NANOSTRUCTURES AND THEIR PHOTOCATALYTIC ACTIVITY IN THE CEFTAZIDIME AND DOXYCYCLINE PHOTODEGRADATION PROCESSES. Ukrainian Chemistry Journal, 2020, 86, 95-119.	0.5	1
26	Deposition of Nanosized Amino Acid Functionalized Bismuth Oxido Clusters on Gold Surfaces. Nanomaterials, 2022, 12, 1815.	4.1	1