Dmytro I Solonenko

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3209331/publications.pdf

Version: 2024-02-01

25 papers	326 citations	759233 12 h-index	839539 18 g-index
26 all docs	26 docs citations	26 times ranked	437 citing authors

#	Article	IF	Citations
1	Raman and Infrared Phonon Spectra of Ultrasmall Colloidal CdS Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 19492-19497.	3.1	50
2	2D vibrational properties of epitaxial silicene on Ag(111). 2D Materials, 2017, 4, 015008.	4.4	39
3	A new route to very stable water-soluble ultra-small core/shell CdSe/CdS quantum dots. Nano Structures Nano Objects, 2018, 13, 146-154.	3.5	22
4	Surface modification of graphene oxide via noncovalent functionalization with porphyrins for selective photocatalytic oxidation of alcohols. New Journal of Chemistry, 2020, 44, 8264-8272.	2.8	18
5	Comprehensive Raman study of epitaxial silicene-related phases on Ag(111). Beilstein Journal of Nanotechnology, 2017, 8, 1357-1365.	2.8	16
6	Ultra-small aqueous glutathione-capped Agâ€“Inâ€“Se quantum dots: luminescence and vibrational properties. RSC Advances, 2020, 10, 42178-42193.	3.6	16
7	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
8	Composition-Dependent Optical Band Bowing, Vibrational, and Photochemical Behavior of Aqueous Glutathione-Capped (Cu, Ag)â€“Inâ€“S Quantum Dots. Journal of Physical Chemistry C, 2020, 124, 19375-19388.	3.1	15
9	Hydrogen-induced <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>s</mml:mi><mml:msup><mml:mi>p</mml:mi><mml:mi>x</mml:mi></mml:msup></mml:mrow></mml:math> rehybridization in epitaxial silicene. Physical Review B, 2017, 96, .	3.2	14
10	The Limits of the Postâ€Growth Optimization of AlN Thin Films Grown on Si(111) via Magnetron Sputtering. Physica Status Solidi (B): Basic Research, 2020, 257, 1900400.	1.5	14
11	In-doped As2Se3 thin films studied by Raman and X-ray photoelectron spectroscopies. Applied Surface Science, 2019, 471, 943-949.	6.1	13
12	Oxidation of Epitaxial Silicene on Ag(111). Physica Status Solidi (B): Basic Research, 2019, 256, 1800432.	1.5	13
13	High-Throughput Time-Resolved Photoluminescence Study of Composition- and Size-Selected Aqueous Agâ€“Inâ€“S Quantum Dots. Journal of Physical Chemistry C, 2021, 125, 12185-12197.	3.1	13
14	Laserâ€Induced Formation of CdS Crystallites in Cdâ€Doped Amorphous Arsenic Sulfide Thin Films. Physica Status Solidi (B): Basic Research, 2019, 256, 1800298.	1.5	12
15	High-performance CoII-phthalocyanine-based polymer for practical heterogeneous electrochemical reduction of carbon dioxide. Electrochimica Acta, 2021, 367, 137506.	5.2	12
16	Highâ€Throughput Robotic Synthesis and Photoluminescence Characterization of Aqueous Multinary Copperâ€“Silver Indium Chalcogenide Quantum Dots. Particle and Particle Systems Characterization, 2021, 38, 2100169.	2.3	12
17	Doping-Induced Polaron Formation and Solid-State Polymerization in Benzoporphyrinâ€“Oligothiophene Conjugated Systems. Journal of Physical Chemistry C, 2017, 121, 24397-24407.	3.1	9
18	Spontaneous alloying of ultrasmall non-stoichiometric Agâ€“Inâ€“S and Cuâ€“Inâ€“S quantum dots in aqueous colloidal solutions. RSC Advances, 2021, 11, 21145-21152.	3.6	5

#	Article	IF	Citations
19	Co-sputtering of $$hbox {Al}_{1-x}hbox {Sc}_{x}hbox {N}$$ thin films on Pt(111): a characterization by Raman and IR spectroscopies. Journal of Materials Science, 2020, 55, 17061-17071.	3.7	4
20	Ternary CdS_{1â€“x}Se_x nanocrystals formed in Cdâ€doped Asâ€“Seâ€“S films due to photoenhanced diffusion during microâ€Raman measurement. Journal of Raman Spectroscopy, 2021, 52, 821-832.	2.5	4
21	Characterization of Agâ€“Inâ€“S films prepared by thermal evaporation. Materials Today: Proceedings, 2022, 62, 5745-5748.	1.8	3
22	HED-TIE: A wafer-scale approach for fabricating hybrid electronic devices with trench isolated electrodes. Nanotechnology, 2017, 28, 195303.	2.6	2
23	CdS nanocrystals formed in amorphous GeS2:Cd films by photoenhanced diffusion. Applied Nanoscience (Switzerland), 2022, 12, 1091-1099.	3.1	2
24	Spectroscopic insight into post-synthetic surface modification of porous glass beads as a silica model system. Physical Chemistry Chemical Physics, 2022, 24, 14488-14497.	2.8	2
25	Synthesis of Silicene. Nanoscience and Technology, 2018, , 99-113.	1.5	1