

Andrey S Vorokh

List of Publications by Year in descending order

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35
papers

395
citations

932766

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794141

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all docs

35
docs citations

35
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Scherrer formula: estimation of error in determining small nanoparticle size. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, , 364-369.	0.2	76
2	Cadmium sulfide nanoparticles prepared by chemical bath deposition. <i>Russian Chemical Reviews</i> , 2015, 84, 225-250.	2.5	51
3	Atomic structure of cadmium sulfide nanoparticles. <i>Physics of the Solid State</i> , 2007, 49, 148-153.	0.2	31
4	Preparation of stable colloidal solution of cadmium sulfide CdS using ethylenediaminetetraacetic acid. <i>Russian Journal of General Chemistry</i> , 2010, 80, 391-394.	0.3	29
5	Atomic structure of Bi_2S_3 surfaces probed by photoelectron diffraction and holography. <i>Physical Review B</i> , 2015, 91, .	0.1	26
6	Characterization of 1T-TiSe ₂ surface by means of STM and XPD experiments and model calculations. <i>Surface Science</i> , 2012, 606, 1760-1770.	0.8	22
7	Disordered structure and the shape of nanoparticles of cadmium sulfide CdS. <i>Doklady Physics</i> , 2007, 52, 200-203.	0.2	17
8	Transition of the CdS disordered structure to the wurtzite structure with an increase in the nanoparticle size. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008, 72, 1395-1398.	0.1	14
9	Facile, rapid and efficient doping of amorphous TiO ₂ by pre-synthesized colloidal CdS quantum dots. <i>Journal of Alloys and Compounds</i> , 2017, 706, 205-214.	2.8	12
10	One-pot inorganic route to highly stable water-dispersible Ag ₂ S quantum dots. <i>Journal of Alloys and Compounds</i> , 2017, 712, 418-424.	2.8	11
11	Nanocrystalline TiO ₂ doped by small amount of pre-synthesized colloidal CdS nanoparticles for photocatalytic degradation of 1,2,4-trichlorobenzene. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 11, 1-11.	1.6	11
12	Direct-space visualization of the short and average long-range orders in the noncrystalline structure of a single cadmium sulfide nanoparticle. <i>JETP Letters</i> , 2010, 91, 100-104.	0.4	10
13	X-Ray photoelectron diffraction and photoelectron holography as methods for investigating the local atomic structure of the surface of solids. <i>Russian Chemical Reviews</i> , 2014, 83, 13-37.	2.5	10
14	Nitrogen-doped ZnS nanoparticles: Soft-chemical synthesis, EPR statement and quantum-chemical characterization. <i>Materials Chemistry and Physics</i> , 2018, 215, 176-182.	2.0	10
15	Disordered structure of cadmium sulphide nanoparticles. <i>Journal of Surface Investigation</i> , 2011, 5, 1028-1031.	0.1	7
16	Effect of the size and structure factors on the magnetic susceptibility of nanoparticles of cadmium sulfide. <i>Physics of the Solid State</i> , 2012, 54, 1306-1311.	0.2	7
17	Photolysis of polychlorobiphenyls in the presence of nanocrystalline TiO ₂ and CdS/TiO ₂ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 1115-1134.	0.8	7
18	The synthesis of nucleus-shell Cd(OH) ₂ /CdS structures by chemical precipitation from aqueous solutions. <i>Russian Journal of Physical Chemistry A</i> , 2008, 82, 1132-1137.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Design of the nanocrystalline CdS@TiO ₂ photocatalyst. Doklady Chemistry, 2011, 440, 278-281.	0.2	6
20	Stability and electronic properties of oxygen-doped ZnS polytypes: DFTB study. Chemical Physics, 2018, 510, 70-76.	0.9	6
21	Formation of cadmium sulfide (CdS) nanofilm on a Cd(OH) ₂ /SiO ₂ precursor layer. Journal of Structural Chemistry, 2010, 51, 1170-1175.	0.3	5
22	Nanostructured ZnS with random close-packed structure: Synthesis, formation rate, and crystal structure study. Doklady Physical Chemistry, 2016, 470, 141-144.	0.2	5
23	Effect of chemical reaction mechanism on the formation of ZnS colloid particles with structure disordering. Materials Science in Semiconductor Processing, 2020, 113, 105047.	1.9	3
24	Ionic equilibria in alkaline aqueous solutions of metal complex salts. Russian Journal of General Chemistry, 2008, 78, 551-556.	0.3	2
25	Atomic structure of a 1T-TiSe ₂ surface layer from photoelectron and Auger electron holography data. JETP Letters, 2012, 95, 372-379.	0.4	2
26	Local environment of CdS nanoparticles incorporated into anatase/brookite matrix via sol-gel route: HRTEM, Raman spectroscopy and MD simulation. Materials Today Communications, 2020, 25, 101465.	0.9	2
27	DISORDERING IN CADMIUM SULFIDE NANOPARTICLES. , 2007, , .		2
28	A Cd(OH) ₂ /CdS heteronanostructure of the core-shell type. Doklady Physical Chemistry, 2008, 419, 41-46.	0.2	1
29	Specific features of the shape of lead sulfide PbS nanoparticles according to X-ray diffraction and magnetic susceptibility data. Doklady Physical Chemistry, 2014, 454, 21-24.	0.2	1
30	Geometry of lead sulfide nanoparticles with a NaCl-type structure. Mendeleev Communications, 2014, 24, 55-57.	0.6	1
31	Mechanism of the formation of photosensitive nanostructured TiO ₂ with low content of CdS nanoparticles. Doklady Physical Chemistry, 2016, 467, 56-59.	0.2	1
32	Synthetic pathway of a Cu ₂ ZnSnS ₄ powder using low temperature annealing of nanostructured binary sulfides. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 787-792.	0.2	1
33	Aggregative stability of the CdS nanoparticles-H ₂ O colloidal dispersion system in the presence of surfactants. Doklady Chemistry, 2012, 443, 86-90.	0.2	0
34	Synthesis and defect structure of quasi-one-dimensional composite material ZnO/ZnS. Doklady Chemistry, 2017, 474, 116-120.	0.2	0
35	Surface-Modified CdS/ZnO Material: Single-Reactor Synthesis and Mechanism of Formation in Aqueous Solution. Russian Journal of Applied Chemistry, 2018, 91, 454-462.	0.1	0