

# Andrey I Zvyagin

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence and nonlinear optical properties of colloidal Ag <sub>2</sub> S quantum dots. Journal of Luminescence, 2019, 208, 193-200.	3.1	33
2	Effective high-order harmonic generation from metal sulfide quantum dots. Optics Express, 2018, 26, 35013.	3.4	30
3	Optical limiting, nonlinear refraction and nonlinear absorption of the associates of Cd <sub>0.5</sub> Zn <sub>0.5</sub> S quantum dots and dyes. Optics Express, 2018, 26, 13865.	3.4	25
4	Demonstration of variation of the nonlinear optical absorption of non-spherical silver nanoparticles. Optik, 2018, 175, 93-98.	2.9	20
5	High-order harmonic generation using quasi-phase matching and two-color pump in the plasmas containing molecular and alloyed metal sulfide quantum dots. Journal of Applied Physics, 2019, 126, 193103.	2.5	19
6	Peculiarities of the nonlinear optical absorption of Methylene blue and Thionine in different solvents. Dyes and Pigments, 2018, 149, 236-241.	3.7	16
7	Size-Dependent Optical Properties of Colloidal CdS Quantum Dots Passivated by Thioglycolic Acid. Semiconductors, 2018, 52, 1137-1144.	0.5	14
8	Luminescence and Nonlinear Optical Properties of Hybrid Associates of Ag <sub>2</sub> S Quantum Dots with Molecules of Thiazine Dyes. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2018, 124, 673-680.	0.6	11
9	Nonlinear Optical Properties of Hybrid Associates of Azure A Molecules with Zn <sub>0.5</sub> Cd <sub>0.5</sub> S Colloidal Quantum Dots. Bulletin of the Lebedev Physics Institute, 2019, 46, 93-96.	0.6	11
10	Nonlinear optical properties of hybrid associates of Ag <sub>2</sub> S quantum dots with erythrosine molecules. Optik, 2020, 200, 163391.	2.9	11
11	Nonlinear Refraction in Colloidal Silver Sulfide Quantum Dots. Journal of Russian Laser Research, 2020, 41, 670-680.	0.6	11
12	Nonlinear absorption enhancement of Methylene Blue in the presence of Au/SiO <sub>2</sub> core/shell nanoparticles. Dyes and Pigments, 2022, 197, 109829.	3.7	11
13	Photoinduced Degradation of the Optical Properties of Colloidal Ag <sub>2</sub> S and CdS Quantum Dots Passivated by Thioglycolic Acid. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 125, 673-680.	0.6	11
14	Nonlinear Refraction in Colloidal Ag <sub>2</sub> S Quantum Dots. Bulletin of the Lebedev Physics Institute, 2019, 46, 210-214.	0.6	9
15	Control over the Size Effect in the Spectroscopic Properties of Zn <sub>x</sub> Cd <sub>1-x</sub> S Colloidal Quantum Dots. Inorganic Materials, 2018, 54, 413-420.	0.8	8
16	Enhancement of nonlinear optical response of methylene blue and azure a during association with colloidal CdS quantum dots. Optik, 2020, 218, 165122.	2.9	8
17	Nonlinear optical absorption in mixtures of dye molecules and ZnS nanoparticles. Journal of Nonlinear Optical Physics and Materials, 2017, 26, 1750045.	1.8	6
18	Luminescent Properties of Hybrid Nanostructures Based on Quantum Dots of CdS, Europium 1,3-Diketone, and Methylene Blue Molecules. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 125, 673-680.	0.6	11

#	ARTICLE	IF	CITATIONS
19	Role of photoinduced destruction of gold nanorods in the formation of nonlinear optical response. <i>Optik</i> , 2022, 250, 168352.	2.9	6
20	Mechanism of potential barrier photomodulation in nanocrystalline CdS films*. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	5
21	Nonlinear optical properties of associates of erythrosine molecules and gold nanoparticles. <i>Materials Research Express</i> , 2019, 6, 1150c8.	1.6	5
22	Nonlinear optical properties of Ag nanoparticles with and without silicon dioxide shell. <i>Optical Materials</i> , 2021, 111, 110583.	3.6	5
23	Nonlinear absorption of some thiazine, xanthene, and carbocyanine dyes. <i>Optik</i> , 2018, 157, 113-124.	2.9	4
24	Synthesis and low-order optical nonlinearities of colloidal HgSe quantum dots in the visible and near infrared ranges. <i>Optics Express</i> , 2021, 29, 16710.	3.4	4
25	Nonlinear optical properties of associates of dyes with zinc sulfide nanoparticles. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2018, 85, 302.	0.4	3
26	Nonlinear Optical Characterization of InP@ZnS Core-Shell Colloidal Quantum Dots Using 532 nm, 10 ns Pulses. <i>Nanomaterials</i> , 2021, 11, 1366.	4.1	3
27	Investigation of Nonlinear Optical Processes in Mercury Sulfide Quantum Dots. <i>Nanomaterials</i> , 2022, 12, 1264.	4.1	3
28	Influence of surface potential barriers on the dependence of photocurrent on intensity of exciting light in cadmium sulfide films with a nanostructured surface. <i>Nanotechnologies in Russia</i> , 2015, 10, 606-612.	0.7	2
29	Thermostimulated Luminescence in Colloidal Ag <sub>2</sub> S Quantum Dots. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 611-616.	1.3	2
30	Spectral properties of hybrid associates of colloidal quantum dots Zn <sub>0.5</sub> Cd <sub>0.5</sub> S, europium tenoyltrifluoroacetate and methylene blue. <i>EPJ Web of Conferences</i> , 2018, 190, 04017.	0.3	1
31	The nonmonotonicity of the photocurrent increase due to the barrier photoconductivity of nanocluster Cd <sub>1-x</sub> Zn <sub>x</sub> S films. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	1
32	Optical nonlinearities of mercury telluride quantum dots measured by nanosecond pulses. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022, , 101025.	2.0	1
33	Photoelectric properties of CdS films with nanostructured surfaces. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016, 80, 1469-1471.	0.6	0
34	Nonlinear optical absorption of non-spherical silver nanoparticles and organic dyes mixtures. <i>EPJ Web of Conferences</i> , 2018, 190, 04016.	0.3	0