

# Yulia A Gromova

## 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

457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Chiral Ligand Concentration and Binding Mode on Chiroptical Activity of CdSe/CdS Quantum Dots. ACS Nano, 2019, 13, 13560-13572.	7.3	65
2	Magneto-Fluorescent Microbeads for Bacteria Detection Constructed from Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles and AIS/ZnS Quantum Dots. Analytical Chemistry, 2019, 91, 12661-12669.	3.2	46
3	Ligand-induced chirality and optical activity in semiconductor nanocrystals: theory and applications. Nanophotonics, 2020, 10, 797-824.	2.9	42
4	Track membranes with embedded semiconductor nanocrystals: structural and optical examinations. Nanotechnology, 2011, 22, 455201.	1.3	20
5	Fluorescence energy transfer in quantum dot/azo dye complexes in polymer track membranes. Nanoscale Research Letters, 2013, 8, 452.	3.1	17
6	Investigation of AgInS <sub>2</sub> /ZnS Quantum Dots by Magnetic Circular Dichroism Spectroscopy. Materials, 2019, 12, 3616.	1.3	15
7	FRET-Based Analysis of AgInS <sub>2</sub> /ZnAgInS/ZnS Quantum Dot Recombination Dynamics. Nanomaterials, 2020, 10, 2455.	1.9	15
8	Reversible photoluminescence quenching of CdSe/ZnS quantum dots embedded in porous glass by ammonia vapor. Nanotechnology, 2013, 24, 335701.	1.3	14
9	Magnetic and Optical Properties of Isolated and Aggregated CoFe <sub>2</sub> O <sub>4</sub> Superparamagnetic Nanoparticles Studied by MCD Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 11491-11497.	1.5	14
10	Formation of structures based on semiconductor quantum dots and organic molecules in track pore membranes. Journal of Applied Physics, 2013, 113, 214305.	1.1	13
11	Photoinduced electrical response in quantum dots/graphene hybrid structure. Journal of Applied Physics, 2015, 118, 104305.	1.1	13
12	Non-Toxic Ternary Quantum Dots AgInS <sub>2</sub> and AgInS <sub>2</sub> /ZnS: Synthesis and Optical Properties. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2018, 125, 1041-1046.	0.2	12
13	Hybrid structures based on quantum dots and graphene nanobelts. Optics and Spectroscopy (English) Tj ETQq1 1 0,784314 rgBT /Ov 0,2	0.2	12
14	Magnetic Circular Dichroism in 2D Colloidal Semiconductor Nanocrystals. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2018, 125, 698-702.	0.2	6
15	Spectral-Time Multiplexing in FRET Complexes of AgInS <sub>2</sub> /ZnS Quantum Dot and Organic Dyes. Nanomaterials, 2020, 10, 1569.	1.9	6
16	Photoinduced conductivity enhancement in quantum dot/multilayer graphene nanostructures. Materials Research Society Symposia Proceedings, 2015, 1787, 15-19.	0.1	5
17	Photoinduced dissociation of complexes of cadmium selenide quantum dots with azo dye molecules. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2014, 81, 439.	0.2	4
18	ZnSe/ZnS quantum dots - photosensitizer complexes: optical properties and cancer cell photodynamic destruction effect. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Resonant energy transfer in rigid solutions of semiconductor quantum dots with a concentration gradient. Proceedings of SPIE, 2014, , .	0.8	3
20	Investigation of Magnetic Circular Dichroism Spectra of Semiconductor Quantum Rods and Quantum Dot-in-Rods. Nanomaterials, 2020, 10, 1059.	1.9	3
21	Quantum dots - graphene hybrid structures: interplay of optical and electrical properties. , 2014, , .		2
22	Porous flower-like superstructures based on self-assembled colloidal quantum dots for sensing. Scientific Reports, 2019, 9, 617.	1.6	2
23	FRET efficiency in surface complexes of CdSe/ZnS quantum dots with azo-dyes. Proceedings of SPIE, 2016, , .	0.8	1
24	Energy transfer in rigid solutions with nonuniform distribution of components based on quantum dots and organic molecules. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 122, 88-92.	0.2	1
25	Carbon Dot Films with Efficient Interdot Förster Resonance Energy Transfer for Optical Coding by Ultraviolet Photooxidation. Journal of Physical Chemistry C, 2022, 126, 10441-10448.	1.5	1
26	Nanocarbons and quantum dots formation in new hybrid materials. Proceedings of SPIE, 2014, , .	0.8	0
27	Hybrid Single Walled Carbon Nanotube - Quantum Dot photosensors. , 2015, , .		0
28	New hybrid structures based on CdSe/ZnS quantum dots and multilayer graphene for photonics applications. , 2015, , .		0
29	Influence of the QD luminescence quantum yield on photocurrent in QD/graphene hybrid structures. Proceedings of SPIE, 2016, , .	0.8	0