

Igor Nabiev

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6410729/igor-nabiev-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257
papers

7,192
citations

44
h-index

78
g-index

294
ext. papers

8,040
ext. citations

4
avg, IF

5.87
L-index

#	Paper	IF	Citations
257	Enhanced Luminescence of CdSe Quantum Dots on Gold Colloids. <i>Nano Letters</i> , 2002 , 2, 1449-1452	11.5	578
256	Dependence of Nanoparticle Toxicity on Their Physical and Chemical Properties. <i>Nanoscale Research Letters</i> , 2018 , 13, 44	5	421
255	Molecular interaction of proteins and peptides with nanoparticles. <i>ACS Nano</i> , 2012 , 6, 4585-602	16.7	324
254	Biocompatible fluorescent nanocrystals for immunolabeling of membrane proteins and cells. <i>Analytical Biochemistry</i> , 2004 , 324, 60-7	3.1	274
253	Energy Transfer in Aqueous Solutions of Oppositely Charged CdSe/ZnS Core/Shell Quantum Dots and in Quantum Dot-Nanogold Assemblies. <i>Nano Letters</i> , 2004 , 4, 451-457	11.5	211
252	Nonfunctionalized nanocrystals can exploit a cell's active transport machinery delivering them to specific nuclear and cytoplasmic compartments. <i>Nano Letters</i> , 2007 , 7, 3452-61	11.5	204
251	Effect of ZnS shell thickness on the phonon spectra in CdSe quantum dots. <i>Physical Review B</i> , 2003 , 68,	3.3	203
250	Quantum dot surface chemistry and functionalization for cell targeting and imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 609-24	6.3	173
249	Controlled antibody/(bio-) conjugation of inorganic nanoparticles for targeted delivery. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 677-88	18.5	155
248	Fluorescent quantum dots as artificial antennas for enhanced light harvesting and energy transfer to photosynthetic reaction centers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7217-21	16.4	136
247	Synthesis of quantum dot-tagged submicrometer polystyrene particles by miniemulsion polymerization. <i>Langmuir</i> , 2006 , 22, 1810-6	4	122
246	Selective analysis of antitumor drug interaction with living cancer cells as probed by surface-enhanced Raman spectroscopy. <i>European Biophysics Journal</i> , 1991 , 19, 311-6	1.9	117
245	Oriented conjugates of single-domain antibodies and quantum dots: toward a new generation of ultrasmall diagnostic nanoprobe. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 516-25 ⁶		116
244	Highly stable fluorescent nanocrystals as a novel class of labels for immunohistochemical analysis of paraffin-embedded tissue sections. <i>Laboratory Investigation</i> , 2002 , 82, 1259-61	5.9	116
243	Quantum Dot-Based Nanotools for Bioimaging, Diagnostics, and Drug Delivery. <i>ChemBioChem</i> , 2016 , 17, 2103-2114	3.8	113
242	Surface-enhanced Raman spectroscopy of biomolecules. Part I. Water-soluble proteins, dipeptides and amino acids. <i>Journal of Raman Spectroscopy</i> , 1990 , 21, 43-48	2.3	104
241	Light-matter interaction in the strong coupling regime: configurations, conditions, and applications. <i>Nanoscale</i> , 2018 , 10, 3589-3605	7.7	103

240	Fluorescent nanocrystal-encoded microbeads for multiplexed cancer imaging and diagnosis. <i>Critical Reviews in Oncology/Hematology</i> , 2008 , 68, 39-59	7	94
239	Nanocrystal-encoded fluorescent microbeads for proteomics: antibody profiling and diagnostics of autoimmune diseases. <i>Nano Letters</i> , 2007 , 7, 2322-7	11.5	82
238	Basic principles and current trends in colloidal synthesis of highly luminescent semiconductor nanocrystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 1534-46	4.8	80
237	Surface-enhanced Raman spectra of aromatic amino acids and proteins adsorbed by silver hydrosols. <i>Journal of Raman Spectroscopy</i> , 1983 , 14, 375-379	2.3	80
236	Highly sensitive single domain antibody-quantum dot conjugates for detection of HER2 biomarker in lung and breast cancer cells. <i>ACS Nano</i> , 2014 , 8, 5682-95	16.7	74
235	Functionalized nanocrystal-tagged fluorescent polymer beads: synthesis, physicochemical characterization, and immunolabeling application. <i>Analytical Biochemistry</i> , 2004 , 334, 257-65	3.1	72
234	Charge transfer and separation in photoexcited quantum dot-based systems. <i>Nano Today</i> , 2016 , 11, 189-210	17.1	71
233	Resonance energy transfer improves the biological function of bacteriorhodopsin within a hybrid material built from purple membranes and semiconductor quantum dots. <i>Nano Letters</i> , 2010 , 10, 2640-8	11.5	67
232	Applications of Raman and surface-enhanced Raman scattering spectroscopy in medicine. <i>Journal of Raman Spectroscopy</i> , 1994 , 25, 13-23	2.3	67
231	Molecular interactions of DNA-topoisomerase I and II inhibitor with DNA and topoisomerases and in ternary complexes: binding modes and biological effects for intoplicine derivatives. <i>Biochemistry</i> , 1994 , 33, 9013-23	3.2	66
230	Comparative studies of antitumor DNA intercalating agents, aclacinomycin and saintopin, by means of surface-enhanced Raman scattering spectroscopy. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 1344-1350		64
229	Controlled self-assembly of nanocrystals into polycrystalline fluorescent dendrites with energy-transfer properties. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2048-52	16.4	62
228	Synthesis, biological activity and comparative analysis of DNA binding affinities and human DNA topoisomerase I inhibitory activities of novel 12-alkoxy-benzo[c]phenanthridinium salts. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2643-6	2.9	62
227	Probing cell-type-specific intracellular nanoscale barriers using size-tuned quantum dots. <i>Small</i> , 2009 , 5, 2581-8	11	61
226	Does Adsorption on the Surface of a Silver Colloid Perturb Drug/DNA Interactions? Comparative SERS, FT-SERS, and Resonance Raman Study of Mitoxantrone and Its Derivatives. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 1608-1613		61
225	Optically and electrically controlled circularly polarized emission from cholesteric liquid crystal materials doped with semiconductor quantum dots. <i>Advanced Materials</i> , 2012 , 24, 6216-22	24	59
224	Quantum dot-based lab-on-a-bead system for multiplexed detection of free and total prostate-specific antigens in clinical human serum samples. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1065-75	6	56
223	Spectroscopic and biochemical characterisation of self-aggregates formed by antitumor drugs of the camptothecin family: their possible role in the unique mode of drug action. <i>Biochemical Pharmacology</i> , 1998 , 55, 1163-74	6	54

222	DNA-assisted formation of quasi-nanowires from fluorescent CdSe/ZnS nanocrystals. <i>Nanotechnology</i> , 2006 , 17, 581-587	3.4	52
221	Multiphoton imaging of tumor biomarkers with conjugates of single-domain antibodies and quantum dots. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1701-9	6	51
220	Surface-Enhanced Raman Scattering (SERS) Study of Mercaptoethanol Monolayer Assemblies on Silver Citrate Hydrosol. Preparation and Characterization of Modified Hydrosol as a SERS-Active Substrate. <i>Langmuir</i> , 1998 , 14, 1092-1098	4	51
219	Surface-enhanced Raman scattering and its application to the study of biological molecules. <i>Uspekhi Fizicheskikh Nauk</i> , 1988 , 31, 241-262		51
218	New directions in quantum dot-based cytometry detection of cancer serum markers and tumor cells. <i>Critical Reviews in Oncology/Hematology</i> , 2013 , 86, 1-14	7	46
217	Nondisturbing and Stable SERS-Active Substrates with Increased Contribution of Long-Range Component of Raman Enhancement Created by High-Temperature Annealing of Thick Metal Films. <i>Analytical Chemistry</i> , 1997 , 69, 3731-3740	7.8	46
216	Quantitative confocal spectral imaging analysis of mitoxantrone within living K562 cells: intracellular accumulation and distribution of monomers, aggregates, naphtoquinoline metabolite, and drug-target complexes. <i>Biophysical Journal</i> , 1997 , 73, 3328-36	2.9	46
215	Camptothecin-binding site in human serum albumin and protein transformations induced by drug binding. <i>FEBS Letters</i> , 1997 , 411, 215-20	3.8	45
214	Engineering a Robust Photovoltaic Device with Quantum Dots and Bacteriorhodopsin. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16710-16717	3.8	44
213	Semiconductor quantum dots for multiplexed bio-detection on solid-state microarrays. <i>Critical Reviews in Oncology/Hematology</i> , 2010 , 74, 1-15	7	44
212	Localization and molecular interactions of mitoxantrone within living K562 cells as probed by confocal spectral imaging analysis. <i>Biophysical Journal</i> , 1997 , 73, 3317-27	2.9	44
211	Confocal three-dimensional scanning laser Raman/SERS/fluorescence microprobe. Spectral imaging and high-resolution applications. <i>Journal of Raman Spectroscopy</i> , 1994 , 25, 699-707	2.3	43
210	Interactions of lactone, carboxylate and self-aggregated forms of camptothecin with human and bovine serum albumins. <i>FEBS Letters</i> , 1997 , 406, 151-6	3.8	42
209	Molecular determinants of site-specific inhibition of human DNA topoisomerase I by fagaronine and ethoxidine. Relation to DNA binding. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3501-9	5.4	42
208	Efficiency of energy transfer from organic dye molecules to CdSe-ZnS nanocrystals: nanorods versus nanodots. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8061-5	16.4	41
207	Selective enhancement of Raman or fluorescence spectra of biomolecules using specifically annealed thick gold films. <i>Biopolymers</i> , 2000 , 57, 325-8	2.2	38
206	Contributions of Short-Range and Classical Electromagnetic Mechanisms to Surface-Enhanced Raman Scattering from Several Types of Biomolecules Adsorbed on Cold-Deposited Island Films. <i>Applied Spectroscopy</i> , 1993 , 47, 515-522	3.1	38
205	Comparative advantages and limitations of the basic metrology methods applied to the characterization of nanomaterials. <i>Nanoscale</i> , 2013 , 5, 8781-98	7.7	36

204	Confocal spectral imaging analysis in studies of the spatial distribution of antitumour drugs within living cancer cells. <i>Analytica Chimica Acta</i> , 1994 , 290, 40-47	6.6	35
203	Surface-enhanced Raman spectroscopy of biomolecules. Part II. Application of short- and long-range components of SERS to the study of the structure and function of membrane proteins. <i>Journal of Raman Spectroscopy</i> , 1990 , 21, 49-53	2.3	35
202	A new confocal stigmatic spectrometer for micro-Raman and microfluorescence spectral imaging analysis: Design and applications. <i>Review of Scientific Instruments</i> , 1995 , 66, 3146-3158	1.7	34
201	Surface-enhanced Raman spectroscopy of biomolecules. Part III. Determination of the local destabilization regions in the double helix. <i>Journal of Raman Spectroscopy</i> , 1990 , 21, 333-336	2.3	33
200	Quantum-dot-based suspension microarray for multiplex detection of lung cancer markers: preclinical validation and comparison with the Luminex xMAP system. <i>Scientific Reports</i> , 2017 , 7, 44668	4.9	32
199	Advanced procedures for labeling of antibodies with quantum dots. <i>Analytical Biochemistry</i> , 2011 , 416, 180-5	3.1	31
198	Quantum dot-containing polymer particles with thermosensitive fluorescence. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 187-93	11.8	30
197	The photophysics of porous silicon: technological and biomedical implications. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13890-902	3.6	28
196	Emerging applications of fluorescent nanocrystals quantum dots for micrometastases detection. <i>Proteomics</i> , 2010 , 10, 700-16	4.8	28
195	Surface-Enhanced Raman Spectra of Eye Lens Pigments. <i>Applied Spectroscopy</i> , 1990 , 44, 571-575	3.1	28
194	Surface-enhanced Raman scattering and its application to the study of biological molecules. <i>Uspekhi Fizicheskikh Nauk</i> , 1988 , 154, 459	0.5	28
193	Combined scanning probe nanotomography and optical microspectroscopy: a correlative technique for 3D characterization of nanomaterials. <i>ACS Nano</i> , 2013 , 7, 8953-62	16.7	27
192	Large enhancement of nonlinear optical response in a hybrid nanobiomaterial consisting of bacteriorhodopsin and cadmium telluride quantum dots. <i>ACS Nano</i> , 2013 , 7, 2154-60	16.7	27
191	Graphene quantum dots unraveling: Green synthesis, characterization, radiolabeling with ^{99m} Tc, in vivo behavior and mutagenicity. <i>Materials Science and Engineering C</i> , 2019 , 102, 405-414	8.3	26
190	Single- and two-photon imaging of human micrometastases and disseminated tumour cells with conjugates of nanobodies and quantum dots. <i>Scientific Reports</i> , 2018 , 8, 4595	4.9	26
189	Effect of hydrophobic environment on the resonance Raman spectra of tryptophan residues in proteins. <i>Journal of Raman Spectroscopy</i> , 1992 , 23, 69-73	2.3	26
188	Ligand-Mediated Photobrightening and Photodarkening of CdSe/ZnS Quantum Dot Ensembles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15761-15771	3.8	25
187	Comparative efficiency of energy transfer from CdSe-ZnS quantum dots or nanorods to organic dye molecules. <i>ChemPhysChem</i> , 2012 , 13, 330-5	3.2	25

186	Immunohistochemical study of DNA topoisomerase I, DNA topoisomerase II alpha, p53, and Ki-67 in oral preneoplastic lesions and oral squamous cell carcinomas. <i>Human Pathology</i> , 2004 , 35, 745-51	3.7	25
185	Induced Transparency in PlasmonExciton Nanostructures for Sensing Applications. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800176	8.3	24
184	Al-, Ga-, Mg-, or Li-doped zinc oxide nanoparticles as electron transport layers for quantum dot light-emitting diodes. <i>Scientific Reports</i> , 2020 , 10, 7496	4.9	23
183	Lab-in-a-drop: controlled self-assembly of CdSe/ZnS quantum dots and quantum rods into polycrystalline nanostructures with desired optical properties. <i>Nanotechnology</i> , 2007 , 18, 185602	3.4	23
182	Surface-Enhanced Resonance Raman Spectra of Photochromic Crown Ether Styryl Dyes, Their Model Chromophores, and Their Complexes with Mg ²⁺ . <i>The Journal of Physical Chemistry</i> , 1996 , 100, 2154-2160		23
181	Differentiated analysis of the secondary structure of hydrophilic and hydrophobic regions in alpha- and beta-subunits of Na ⁺ ,K ⁺ -ATPase by Raman spectroscopy. <i>FEBS Letters</i> , 1988 , 227, 235-9	3.8	23
180	Cancer Cell Targeting With Functionalized Quantum Dot-Encoded Polyelectrolyte Microcapsules. <i>Frontiers in Chemistry</i> , 2019 , 7, 34	5	22
179	Hybrid heterostructures based on aromatic polyimide and semiconductor CdSe quantum dots for photovoltaic applications. <i>Applied Physics Letters</i> , 2013 , 103, 063302	3.4	22
178	Enhancement of spontaneous emission of semiconductor quantum dots inside one-dimensional porous silicon photonic crystals. <i>Optics Express</i> , 2020 , 28, 22705-22717	3.3	22
177	Charge-controlled assembling of bacteriorhodopsin and semiconductor quantum dots for fluorescence resonance energy transfer-based nanophotonic applications. <i>Applied Physics Letters</i> , 2011 , 98, 013703	3.4	21
176	Structural Basis of TopotecanDNA Recognition Probed by Flow Linear Dichroism, Circular Dichroism, and Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 9643-9652	3.4	20
175	Chemical substitution of Cd ions by Hg in CdSe nanorods and nanodots: Spectroscopic and structural examination. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 744-749	3.1	19
174	Linear and nonlinear optical effects induced by energy transfer from semiconductor nanoparticles to photosynthetic biological systems. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014 , 20, 17-32	16.4	19
173	Fluorescent nanocrystal quantum dots as medical diagnostic tools. <i>Expert Opinion on Medical Diagnostics</i> , 2008 , 2, 429-47		19
172	Self-assembly of charged microclusters of CdSe/ZnS core/shell nanodots and nanorods into hierarchically ordered colloidal arrays. <i>Nanotechnology</i> , 2006 , 17, 4223-8	3.4	19
171	The chromophore-binding site of bacteriorhodopsin. Resonance Raman and surface-enhanced resonance Raman spectroscopy and quantum chemical study. <i>Journal of Biosciences</i> , 1985 , 8, 363-374	2.3	19
170	Engineering of Optically Encoded Microbeads with FRET-Free Spatially Separated Quantum-Dot Layers for Multiplexed Assays. <i>ChemPhysChem</i> , 2017 , 18, 970-979	3.2	18
169	Detection of carcinoembryonic antigen using single-domain or full-size antibodies stained with quantum dot conjugates. <i>Analytical Biochemistry</i> , 2015 , 478, 26-32	3.1	18

168	High Quantum Yield CdSe/ZnS/CdS/ZnS Multishell Quantum Dots for Biosensing and Optoelectronic Applications. <i>Materials Today: Proceedings</i> , 2016 , 3, 104-108	1.4	18
167	Label-Free Flow Multiplex Biosensing via Photonic Crystal Surface Mode Detection. <i>Scientific Reports</i> , 2019 , 9, 8745	4.9	18
166	Photoluminescence quantum yield of CdSe-ZnS/CdS/ZnS core-multishell quantum dots approaches 100% due to enhancement of charge carrier confinement 2014 ,		18
165	Interaction of clinically important human DNA topoisomerase I poison, topotecan, with double-stranded DNA. <i>Biopolymers</i> , 2003 , 72, 442-54	2.2	18
164	Thin films and assemblies of photosensitive membrane proteins and colloidal nanocrystals for engineering of hybrid materials with advanced properties. <i>Advances in Colloid and Interface Science</i> , 2012 , 183-184, 14-29	14.3	17
163	DNA Binding by Fagaronine and Ethoxidine, Inhibitors of Human DNA Topoisomerases I and II, Probed by SERS and Flow Linear Dichroism Spectroscopy <i>Journal of Physical Chemistry B</i> , 1999 , 103, 2008-2013	3.4	17
162	Nano-biophotonic hybrid materials with controlled FRET efficiency engineered from quantum dots and bacteriorhodopsin. <i>Laser Physics Letters</i> , 2013 , 10, 085901	1.5	16
161	Double Rabi Splitting in a Strongly Coupled System of Core-Shell Au@Ag Nanorods and J-Aggregates of Multiple Fluorophores. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6137-6143	6.4	15
160	Two-photon-induced Förster resonance energy transfer in a hybrid material engineered from quantum dots and bacteriorhodopsin. <i>Optics Letters</i> , 2015 , 40, 1440-3	3	15
159	Nanoparticles With a Specific Size and Surface Charge Promote Disruption of the Secondary Structure and Amyloid-Like Fibrillation of Human Insulin Under Physiological Conditions. <i>Frontiers in Chemistry</i> , 2019 , 7, 480	5	15
158	Study of ATP binding in the active site of Na ⁺ ,K ⁽⁺⁾ -ATPase as probed by ultraviolet resonance Raman spectroscopy. <i>FEBS Letters</i> , 1990 , 260, 257-60	3.8	15
157	Binding of monovalent cations induces large changes in the secondary structure of Na ⁺ ,K ⁺ -ATPase as probed by Raman spectroscopy. <i>FEBS Letters</i> , 1988 , 236, 235-9	3.8	15
156	Bioimaging Tools Based on Polyelectrolyte Microcapsules Encoded with Fluorescent Semiconductor Nanoparticles: Design and Characterization of the Fluorescent Properties. <i>Nanoscale Research Letters</i> , 2019 , 14, 29	5	14
155	Low-field magnetic circular dichroism in silver and gold colloidal nanoparticles of different sizes, shapes, and aggregation states 2012 ,		14
154	Fluorescent Colloidal Particles as Detection Tools in Biotechnology Systems 133-168		14
153	Raman and CD spectroscopy of recombinant 68-kDa DNA human topoisomerase I and its complex with suicide DNA-substrate. <i>Biochemistry</i> , 1998 , 37, 14630-42	3.2	14
152	Enhancement of Biexciton Emission Due to Long-Range Interaction of Single Quantum Dots and Gold Nanorods in a Thin-Film Hybrid Nanostructure. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 481-486	6.4	14
151	Photoconductivity of composites based on CdSe quantum dots and low-band-gap polymers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 79, 206-211	3	13

150	Human DNA topoisomerase I inhibitory activities of synthetic polyamines: relation to DNA aggregation. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 1255-68	3.4	13
149	Detection of Sialic Acid Residues and Studies of Their Organization in Normal and Tumor β -Acid Glycoproteins as Probed by Surface-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 1993 , 47, 535-538	3.1	13
148	A novel design of a scanning probe microscope integrated with an ultramicrotome for serial block-face nanotomography. <i>Review of Scientific Instruments</i> , 2017 , 88, 023701	1.7	12
147	Surface-Enhanced Raman Analysis of Biomedical Eye Lens Extracts. <i>Applied Spectroscopy</i> , 1991 , 45, 1143-1148	3.1	12
146	Industrial Applications of the Surface-Enhanced Raman Spectroscopy. <i>Oil & Gas Science & Technology</i> , 1993 , 48, 261-285		12
145	Determination of the Single-Exciton Two-Photon Absorption Cross Sections of Semiconductor Nanocrystals through the Measurement of Saturation of Their Two-Photon-Excited Photoluminescence. <i>ACS Photonics</i> , 2020 , 7, 831-836	6.3	11
144	Next-Generation Theranostic Agents Based on Polyelectrolyte Microcapsules Encoded with Semiconductor Nanocrystals: Development and Functional Characterization. <i>Nanoscale Research Letters</i> , 2018 , 13, 30	5	11
143	Implications of protein structure instability: from physiological to pathological secondary structure. <i>Biopolymers</i> , 2012 , 97, 577-88	2.2	11
142	Complexation of Photochromic Crown Ether Styryl Dyes with Mg ²⁺ As Probed by Surface-Enhanced Raman Scattering Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 4077-4084	3.4	11
141	Mixed mode of ligand-DNA binding results in S-shaped binding curves. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001 , 18, 703-8	3.6	11
140	Graphene-quantum dot hybrid nanostructures with controlled optical and photoelectric properties for solar cell applications. <i>Russian Chemical Reviews</i> , 2019 , 88, 370-386	6.8	10
139	P-glycoprotein effect on the properties of its natural lipid environment probed by Raman spectroscopy and Langmuir-Blodgett technique. <i>FEBS Letters</i> , 2006 , 580, 4953-8	3.8	10
138	Quantitative Treatment of UV Resonance Raman Spectra of Biological Molecules: Application to the Study of Membrane-Bound Proteins. <i>Applied Spectroscopy</i> , 1991 , 45, 272-278	3.1	10
137	An instrumental approach to combining confocal microspectroscopy and 3D scanning probe nanotomography. <i>Ultramicroscopy</i> , 2017 , 182, 118-123	3.1	9
136	Raman and surface-enhanced Raman scattering spectroscopy of bis-netropsins and their DNA complexes. <i>Biopolymers</i> , 2000 , 57, 272-81	2.2	9
135	Retinal Schiff base position relative to the surfaces of photoreceptor disk. <i>FEBS Letters</i> , 1987 , 213, 113-8	3.8	9
134	Polariton-assisted splitting of broadband emission spectra of strongly coupled organic dye excitons in tunable optical microcavity. <i>Optics Express</i> , 2019 , 27, 4077-4089	3.3	9
133	Fabrication of composite materials from semiconductor quantum dots and organic polymers for optoelectronics and biomedicine: role of surface ligands. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2568-2577	1.7	9

132	Tempo-spectral multiplexing in flow cytometry with lifetime detection using QD-encoded polymer beads. <i>Scientific Reports</i> , 2020 , 10, 653	4.9	8
131	Nanobiohybrid structures based on the organized films of photosensitive membrane proteins. <i>Russian Chemical Reviews</i> , 2014 , 83, 38-81	6.8	8
130	Quasi-nanowires from fluorescent semiconductor nanocrystals on the surface of oriented DNA molecules. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2006 , 100, 854-861	0.7	8
129	The influence of the quantum dot/polymethylmethacrylate composite preparation method on the stability of its optical properties under laser radiation. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 69-73	0.7	7
128	Oriented conjugation of single-domain antibodies and quantum dots. <i>Methods in Molecular Biology</i> , 2014 , 1199, 129-40	1.4	7
127	Controlling Charge Transfer from Quantum Dots to Polyelectrolyte Layers Extends Prospective Applications of Magneto-Optical Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35882-35894	9.5	7
126	Modulation of quantum dot photoluminescence in porous silicon photonic crystals as a function of the depth of their penetration 2016 ,		7
125	A versatile tunable microcavity for investigation of light-matter interaction. <i>Review of Scientific Instruments</i> , 2018 , 89, 053105	1.7	7
124	Remarkably enhanced photoelectrical efficiency of bacteriorhodopsin in quantum dot - Purple membrane complexes under two-photon excitation. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 117-122	11.8	6
123	Optical Properties of Quantum Dots with a Core-Multishell Structure. <i>JETP Letters</i> , 2019 , 109, 112-115	1.2	6
122	Effect of Spectral Overlap and Separation Distance on Exciton and Biexciton Quantum Yields and Radiative and Nonradiative Recombination Rates in Quantum Dots Near Plasmon Nanoparticles. <i>Annalen Der Physik</i> , 2020 , 532, 2000236	2.6	6
121	Design, Synthesis, and Use of MMP-2 Inhibitor-Conjugated Quantum Dots in Functional Biochemical Assays. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1067-81	6.3	6
120	Structural and functional aspects of the interaction of proteins and peptides with nanoparticles. <i>Nanotechnologies in Russia</i> , 2013 , 8, 700-720	0.6	6
119	Fluorescent Quantum Dots as Artificial Antennas for Enhanced Light Harvesting and Energy Transfer to Photosynthetic Reaction Centers. <i>Angewandte Chemie</i> , 2010 , 122, 7375-7379	3.6	6
118	DNA structural alterations induced by bis-netropsins modulate human DNA topoisomerase I cleavage activity and poisoning by camptothecin. <i>Biochemical Pharmacology</i> , 2002 , 64, 79-90	6	6
117	DNA topoisomerase I changes the mode of interaction between camptothecin drugs and DNA as probed by UV-resonance Raman spectroscopy. <i>FEBS Letters</i> , 1996 , 396, 289-92	3.8	6
116	Synergy of Excitation Enhancement and the Purcell Effect for Strong Photoluminescence Enhancement in a Thin-Film Hybrid Structure Based on Quantum Dots and Plasmon Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8018-8025	6.4	6
115	A highly efficient white-light-emitting diode based on a two-component polyfluorene/quantum dot composite. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 12-15	0.7	5

114	Ultrasmall quantum dots for fluorescent bioimaging in vivo and in vitro. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 8-11	0.7	5
113	Spectral and Spatial Characteristics of the Electromagnetic Modes in a Tunable Optical Microcavity Cell for Studying Hybrid Light-Matter States. <i>JETP Letters</i> , 2019 , 109, 12-17	1.2	5
112	The effect of silver nanoparticles on the photocycle of bacteriorhodopsin of purple membranes of <i>Halobacterium salinarum</i> . <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2016 , 121, 210-219	0.7	5
111	Silver Nanoparticles Strongly Affect the Properties of Bacteriorhodopsin, a Photosensitive Protein of <i>Halobacterium Salinarium</i> Purple Membranes. <i>Materials Today: Proceedings</i> , 2016 , 3, 502-506	1.4	5
110	Effect of the Semiconductor Quantum Dot Shell Structure on Fluorescence Quenching by Acridine Ligand. <i>JETP Letters</i> , 2018 , 107, 233-237	1.2	5
109	Study of the Optical Properties of CdZnSe/ZnS-Quantum Dot-Au-Nanoparticle Complexes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 124, 494-500	0.7	5
108	Oriented Conjugates of Single-domain Antibodies and Fluorescent Quantum Dots for Highly Sensitive Detection of Tumor-associated Biomarkers in Cells and Tissues. <i>Physics Procedia</i> , 2015 , 73, 228-234		5
107	Aggregation and photoisomerization of amphiphilic crown-ether styryl dye in monolayers at the interface. <i>Russian Chemical Bulletin</i> , 1996 , 45, 2362-2368	1.7	5
106	Energy Transfer Between Single Semiconductor Quantum Dots and Organic Dye Molecules. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 1513-1526	3.1	4
105	Multiphoton Imaging of Tumor Biomarkers in situ Using Single-domain Antibodies Conjugated with Quantum Dots in a Set Orientation. <i>Materials Today: Proceedings</i> , 2016 , 3, 523-526	1.4	4
104	Biofunctionalized Polyelectrolyte Microcapsules Encoded with Fluorescent Semiconductor Nanocrystals for Highly Specific Targeting and Imaging of Cancer Cells. <i>Photonics</i> , 2019 , 6, 117	2.2	4
103	Development and potential applications of microarrays based on fluorescent nanocrystal-encoded beads for multiplexed cancer diagnostics 2014 ,		4
102	Surface ligands affect photoinduced modulation of the quantum dots optical performance 2014 ,		4
101	Quantum dots induce charge-specific amyloid-like fibrillation of insulin at physiological conditions 2012 ,		4
100	Energy transfer processes in semiconductor quantum dots: bacteriorhodopsin hybrid system 2009 ,		4
99	Fluorescence of CdSe/ZnS quantum dots in solid solutions in the presence of organic molecules DODCI. <i>Journal of Luminescence</i> , 2004 , 110, 23-29	3.8	4
98	Crown-ether styryl dyes. <i>Russian Chemical Bulletin</i> , 1995 , 44, 2323-2330	1.7	4
97	Drug-target interactions on a single living cell: an approach by optical microspectroscopy 1991 , 1403, 695		4

96	Multifunctional Nanoprobes for Cancer Cell Targeting, Imaging and Anticancer Drug Delivery. <i>Physics Procedia</i> , 2015 , 73, 216-220		4
95	pH-Sensing Platform Based on Light-Matter Coupling in Colloidal Complexes of Silver Nanoplates and J-Aggregates. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1972-1979	3.8	4
94	From colloidal CdSe quantum dots to microscale optically anisotropic supercrystals through bottom-up self-assembly. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12904-12911	7.1	4
93	Topotecan-induced alterations in the amount and stability of human DNA topoisomerase I in solid tumor cell lines. <i>Anticancer Research</i> , 2004 , 24, 1745-51	2.3	4
92	Quenching of quantum dots luminescence under light irradiation and its influence on the biological application. <i>Journal of Physics: Conference Series</i> , 2017 , 784, 012014	0.3	3
91	Enhancement of the photoluminescence of semiconductor nanocrystals in transfer-printed microcavities based on freestanding porous silicon photonic crystals. <i>Journal of Physics: Conference Series</i> , 2020 , 1439, 012018	0.3	3
90	Assessment of DNA-PKcs kinase activity by quantum dot-based microarray. <i>Scientific Reports</i> , 2018 , 8, 10968	4.9	3
89	Current methods of the synthesis of luminescent semiconductor nanocrystals for biomedical applications. <i>Nanotechnologies in Russia</i> , 2013 , 8, 409-422	0.6	3
88	Novel cholesteric materials doped with CdSe/ZnS quantum dots with photo- and electro-tunable circularly polarized emission 2012 ,		3
87	Oriented conjugates of monoclonal and single-domain antibodies with quantum dots for flow cytometry and immunohistochemistry diagnostic applications 2012 ,		3
86	High-resolution 3D structural and optical analyses of hybrid or composite materials by means of scanning probe microscopy combined with the ultramicrotome technique: an example of application to engineering of liquid crystals doped with fluorescent quantum dots 2013 ,		3
85	Raman spectroscopy of topotecan, an inhibitor of DNA topoisomerase I. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2002 , 93, 493-500	0.7	3
84	Chemisorption of biomolecules on a metal surface and its role in anomalously intensive Raman scattering. <i>Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika)</i> , 1985 , 28, 204-207		3
83	Designing Functionalized Polyelectrolyte Microcapsules for Cancer Treatment. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
82	Quantum Dot-Polyfluorene Composites for White-Light-Emitting Quantum Dot-Based LEDs. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
81	Controllable photo-brightening/photo-darkening of semiconductor quantum dots under laser irradiation 2016 ,		3
80	Semiconductor quantum dot toxicity in a mouse in vivo model. <i>Journal of Physics: Conference Series</i> , 2017 , 784, 012013	0.3	2
79	Modeling of the optical properties of porous silicon photonic crystals in the visible spectral range. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2017 , 122, 79-82	0.7	2

78	Resonant transfer of one- and two-photon excitations in quantum dot-bacteriorhodopsin complexes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 36-41	0.7	2
77	Raman and SERS Spectroscopy of D96N Mutant Bacteriorhodopsin. <i>Materials Today: Proceedings</i> , 2016 , 3, 497-501	1.4	2
76	Photoinduced modification of quantum dot optical properties affects bacteriorhodopsin photocycle in a (quantum dot)- bacteriorhodopsin hybrid material. <i>Journal of Physics: Conference Series</i> , 2014 , 541, 012045	0.3	2
75	High-resolution Scanning Near-field Optical Nanotomography: A Technique for 3D Multimodal Nanoscale Characterization of Nano-biophotonic Materials. <i>Physics Procedia</i> , 2015 , 73, 168-172		2
74	Multiplexed Analysis of Serum Breast and Ovarian Cancer Markers by Means of Suspension Bead-Quantum Dot Microarrays. <i>Physics Procedia</i> , 2015 , 73, 235-240		2
73	Hybrid bulk heterojunction solar cells based on low band gap polymers and CdSe nanocrystals 2014 ,		2
72	Bi-photon imaging and diagnostics using ultra-small diagnostic probes engineered from semiconductor nanocrystals and single-domain antibodies 2012 ,		2
71	Molecular beacons involving highly luminescent colloidal quantum dots. <i>Journal of Nanophotonics</i> , 2012 , 6, 060304	1.1	2
70	Surface-enhanced Raman scattering spectroscopy of topotecan-DNA complexes: Binding to DNA induces topotecan dimerization. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2002 , 93, 416-423	0.7	2
69	Enhanced spontaneous emission from two-photon-pumped quantum dots in a porous silicon microcavity. <i>Optics Letters</i> , 2020 , 45, 5364-5367	3	2
68	Optical Properties of Core-Multishell Quantum Dots. <i>KnE Energy</i> , 2018 , 3, 449		2
67	Anisotropic nanomaterials for asymmetric synthesis. <i>Nanoscale</i> , 2021 ,	7.7	2
66	Near Infrared LED Based on PbS Nanocrystals. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 751-755	0.7	2
65	Multiphoton Deep-Tissue Imaging of Micrometastases and Disseminated Cancer Cells Using Conjugates of Quantum Dots and Single-Domain Antibodies. <i>Methods in Molecular Biology</i> , 2021 , 2350, 105-123	1.4	2
64	Comparative Advantages and Limitations of Quantum Dots in Protein Array Applications. <i>Methods in Molecular Biology</i> , 2020 , 2135, 259-273	1.4	2
63	The effect of plasmon silver and exciton semiconductor nanoparticles on the bacteriorhodopsin photocycle in Halobacterium salinarum membranes. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 30-35	0.7	1
62	Quantification and imaging of HER2 protein using nanocrystals conjugated with single-domain antibodies. <i>Journal of Physics: Conference Series</i> , 2017 , 784, 012016	0.3	1
61	Effects of surface ligands and solvents on quantum dot photostability under pulsed UV laser irradiation 2015 ,		1

60	Submicron QDs-containing Particles as Nano-thermosensors. <i>Materials Today: Proceedings</i> , 2016 , 3, 617-621		1
59	Interactions of the Rad51 inhibitor DIDS with human and bovine serum albumins: Optical spectroscopy and isothermal calorimetry approaches. <i>Biochimie</i> , 2019 , 167, 187-197	4.6	1
58	Hybrid States of Biomolecules in Strong-Coupling Regime. <i>Nanotechnologies in Russia</i> , 2017 , 12, 327-337	0.6	1
57	Energy Transfer Processes Under One-and Two-photon Excitation of Nano-biohybrid Structures based on Semiconductor Quantum Dots and Purple Membranes. <i>Physics Procedia</i> , 2015 , 73, 143-149		1
56	Semiconductor quantum dots affect fluidity of purple membrane from Halobacterium salinarum through disruption of bacteriorhodopsin trimer organization 2012 ,		1
55	Extension of the spectral range of bacteriorhodopsin functional activity by energy transfer from quantum dots 2012 ,		1
54	Biosensing with thermosensitive fluorescent quantum dot-containing polymer particles 2012 ,		1
53	Controlled FRET efficiency in nano-bio hybrid materials made from semiconductor quantum dots and bacteriorhodopsin 2012 ,		1
52	Engineering of hybrid heterostructures from organic semiconductors and quantum dots for advanced photovoltaic applications 2012 ,		1
51	Laser induced luminescence of dense films of CdSe/ZnS nanoparticles 2007 ,		1
50	DNA binding induces conformational transition within human DNA topoisomerase I in solution. <i>Biopolymers</i> , 2002 , 67, 369-75	2.2	1
49	Applications in Medicine 1996 , 379-420		1
48	Engineering of fluorescent biomaging tools for cancer cell targeting based on polyelectrolyte microcapsules encoded with quantum dots 2019 ,		1
47	Weak Coupling between Light and Matter in Photonic Crystals Based on Porous Silicon Responsible for the Enhancement of Fluorescence of Quantum Dots under Two-Photon Excitation. <i>JETP Letters</i> , 2020 , 112, 537-542	1.2	1
46	Strong coupling effects in a plexciton system of gold nanostars and J-aggregates. <i>Journal of Luminescence</i> , 2022 , 242, 118557	3.8	1
45	Multiplexed Detection of Cancer Serum Antigens with a Quantum Dot-Based Lab-on-Bead System. <i>Methods in Molecular Biology</i> , 2020 , 2135, 225-236	1.4	1
44	Advanced procedure for oriented conjugation of full-size antibodies with quantum dots. <i>Methods in Molecular Biology</i> , 2014 , 1199, 55-66	1.4	1
43	Interpretation of Raman and Sers Spectra of Methyl Glycoside N-Acetylneuraminic Acid 1997 , 281-282		1

42	Strong exciton-photon coupling with colloidal quantum dots in a tunable microcavity. <i>Applied Physics Letters</i> , 2021 , 119, 011102	3.4	1
41	Scanning near-field optical nanotomography: a new method of multiparametric 3D investigation of nanostructural materials. <i>Technical Physics Letters</i> , 2016 , 42, 171-174	0.7	1
40	Strong increase in the effective two-photon absorption cross-section of excitons in quantum dots due to the nonlinear interaction with localized plasmons in gold nanorods. <i>Nanoscale</i> , 2021 , 13, 4614-4623	7.7	1
39	Advanced Nanotools for Imaging of Solid Tumors and Circulating and Disseminated Cancer Cells. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 703-707	0.7	1
38	Camptothecin conjugated with DNA minor-groove binder netropsin: enhanced lactone stability, inhibition of human DNA topoisomerase I and antiproliferative activity. <i>Anticancer Research</i> , 2003 , 23, 2609-15	2.3	1
37	Enhancement of the quantum dot photoluminescence using transfer-printed porous silicon microcavities. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012076	0.3	0
36	Controlled Self-Assembly of Nanocrystals into Polycrystalline Fluorescent Dendrites with Energy-Transfer Properties. <i>Angewandte Chemie</i> , 2006 , 118, 2102-2106	3.6	0
35	Stimulus-Sensitive Theranostic Delivery Systems Based on Microcapsules Encoded with Quantum Dots and Magnetic Nanoparticles. <i>Methods in Molecular Biology</i> , 2020 , 2135, 199-212	1.4	0
34	Selection of the Optimal Chromatography Medium for Purification of Quantum Dots and Their Bioconjugates. <i>Chemistry of Materials</i> , 2020 , 32, 9078-9089	9.6	0
33	Microstructure and Optical Properties of Composites Consisting of Nanoporous Stretched Polypropylene Doped with Liquid Crystals and Quantum Dots at a High Concentration. <i>Oriental Journal of Chemistry</i> , 2016 , 32, 2863-2872	0.8	0
32	Photoluminescence Properties of Thin-Film Nanohybrid Material Based on Quantum Dots and Gold Nanorods. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 726-730	0.7	0
31	Quantum Dots Improve Photovoltaic Properties of Purple Membranes under Near-Infrared Excitation. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2018 , 125, 747-750	0.7	0
30	Polariton-assisted manipulation of energy relaxation pathways: donor-acceptor role reversal in a tuneable microcavity. <i>Chemical Science</i> , 2021 , 12, 12794-12805	9.4	0
29	Label-Free Detection of the Receptor-Binding Domain of the SARS-CoV-2 Spike Glycoprotein at Physiologically Relevant Concentrations Using Surface-Enhanced Raman Spectroscopy. <i>Biosensors</i> , 2022 , 12, 300	5.9	0
28	Ultrasmall Quantum Dots: A Tool for in Vitro and in Vivo Fluorescence Imaging. <i>Journal of Physics: Conference Series</i> , 2017 , 784, 012033	0.3	
27	Improvement of antigen detection efficiency with the use of two-dimensional photonic crystal as a substrate. <i>Journal of Physics: Conference Series</i> , 2017 , 784, 012018	0.3	
26	Nanostructures based on quantum dots for application in promising methods of single- and multiphoton imaging and diagnostics. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2017 , 122, 1-7	0.7	
25	Scanning Near-Field Optical Nanospectrophotometry: a New Method for Nanoscale Measurements of the Absorption Spectra of Single Nanoobjects. <i>Technical Physics Letters</i> , 2019 , 45, 138-141	0.7	

- 24 Nano-bio Hybrid Materials for a New Generation of High-throughput Diagnostic Systems. *Physics Procedia*, **2015**, 73, 95-99
- 23 Two-photon-induced Förster Resonance Energy Transfer in a Quantum dot-Bacteriorhodopsin Hybrid Material. *Materials Today: Proceedings*, **2016**, 3, A1-A5 1.4
- 22 Nanosized Fluorescent Diagnostic Probes Consisting of Single-domain Antibodies Conjugated with Quantum Dots. *Materials Today: Proceedings*, **2016**, 3, 518-522 1.4
- 21 Conversion of Semiconductor Nanoparticles to Plasmonic Materials by Targeted Substitution of Surface-Bound Organic Ligands. *Technical Physics Letters*, **2019**, 45, 317-320 0.7
- 20 Quantum Dot-Based Hybrid Nanostructures and Energy Transfer on the Nanoscale for Single- and Multi-Photon Imaging and Cancer Diagnostics. *Journal of Physics: Conference Series*, **2017**, 784, 012041 0.3
- 19 Use of semiconductor nanocrystals to encode microbeads for multiplexed analysis of biological samples. *Journal of Physics: Conference Series*, **2017**, 784, 012012 0.3
- 18 Fluorescence Measurements and AFM Imaging of Bacteriorhodopsin Coupled with CdSe Quantum Dots for Optoelectronic Applications. *Materials Research Society Symposia Proceedings*, **2009**, 1237, 1
- 17 Selective excitation of surface-enhanced secondary emission from biomolecules by substrates based on thin golden films. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2000**, 89, 872-875 0.7
- 16 New type of SERS-active substrate based on thin silver films treated by acetonitrile: selective-enhancement SERS of para-metoxystyrylphtalylium molecules **1996**, 2802, 124
- 15 Surface-enhanced Raman spectroscopy in the structural studies of biomolecules: the state of the art **1991**, 1403, 85
- 14 Computerized technique for the analysis of weak signals in UV Raman scattering from biological molecules. *Journal of Applied Spectroscopy*, **1991**, 54, 417-424 0.7
- 13 Selective analysis of nucleic acids in mycobacteria according to raman resonance spectroscopy data. *Journal of Applied Spectroscopy*, **1991**, 55, 877-883 0.7
- 12 Trace analysis by surface-enhanced Raman scattering with the use of the track membrane technique. *Journal of Applied Spectroscopy*, **1993**, 59, 820-825 0.7
- 11 Multiparametric detection of bacterial contamination based on the photonic crystal surface mode detection. *Bulletin of Russian State Medical University*, **2018**, 19-24 0.4
- 10 Comparison of fluorescence excitation modes for cdse semi-conductor quantum dots used in medical research. *Bulletin of Russian State Medical University*, **2018**, 39-45 0.4
- 9 Direct analysis of structure and molecular interactions of P-glycoprotein within the membranes of multidrug resistant cancer cells **1999**, 387-388
- 8 Raman Spectroscopy Study of Specific DNA Binding By Bis-Netropsins **1999**, 299-300
- 7 The role of sequence-specificity of DNA binding by benzo[c]phenanthridines fagaronin and ethoxidine in their anti-topoisomerase I activity **1999**, 297-298

6 Application of Scanning Probe Microscopy for DNA Topology Imaging **1999**, 241-242

5 ANALYTICAL CHARACTERISTICS OF FLUORESCENT SUSPENSION NANOCRYSTAL-ENCODED MICROARRAY ADAPTED FOR SIMULTANEOUS QUANTITATIVE DETECTION OF FREE AND TOTAL PSA IN SERUM SAMPLES **2015**, 14, 31-38 0.4

4 Chapter 5 Energy Transfer Mechanisms in Nanobiohybrid Structures Based on Quantum Dots and Photosensitive Membrane Proteins **2017**, 167-206

3 Physical Interactions of Biopolymers with Nanoparticles. *Bulletin of the Lebedev Physics Institute*, **2019**, 46, 306-308 0.5

2 Optimization of Excitation and Detection Modes to Detect Ultra-Small Amounts of Semiconductor Quantum Dots Based on Cadmium Selenide. *Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)*, **2018**, 125, 760-764 0.7

1 Near-infrared photoluminescent hybrid structures based on freestanding porous silicon photonic crystals and PbS quantum dots. *Applied Nanoscience (Switzerland)*, 1 3.3