Victor A Nadtochenko

List of Publications by Year
in descending order

181	2,239	331259 21	276539 41
papers	citations	h-index	g-index

183	183	183	2886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial effects of silver nanoparticles on gram-negative bacteria: Influence on the growth and biofilms formation, mechanisms of action. Colloids and Surfaces B: Biointerfaces, 2013, 102, 300-306.	2.5	376
2	Preparation, Testing and Characterization of Doped TiO2Active in the Peroxidation of Biomolecules under Visible Light. Journal of Physical Chemistry B, 2005, 109, 5994-6003.	1.2	201
3	Primary electron transfer processes in photosynthetic reaction centers from oxygenic organisms. Photosynthesis Research, 2015, 125, 51-63.	1.6	110
4	Femtosecond primary charge separation in Synechocystis sp. PCC 6803 photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1410-1420.	0.5	95
5	Preparation and Mechanism of Cu-Decorated TiO₂â€“ZrO₂ Films Showing Accelerated Bacterial Inactivation. ACS Applied Materials & Interfaces, 2015, 7, 12832-12839.	4.0	68
6	P680 (PD1PD2) and ChlD1 as alternative electron donors in photosystem II core complexes and isolated reaction centers. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 44-50.	1.7	51
7	Encapsulation of ruthenium(ii) with macrobicyclic dioxime-functionalized ligands: on the way to new types of DNA-cleaving agents and probes. Dalton Transactions RSC, 2002, , 1203-1211.	2.3	49
8	Photochemical and photophysical properties ofmeso-tetraferrocenylporphyrin. Quenching ofmeso-tetraphenylporphyrin by ferrocene. Russian Chemical Bulletin, 1999, 48, 1900-1903.	0.4	41
9	Primary light-energy conversion in tetrameric chlorophyll structure of photosystem II and bacterial reaction centers: II. Femto- and picosecond charge separation in PSII D1/D2/Cyt b559 complex. Photosynthesis Research, 2008, 98, 95-103.	1.6	41
10	Mechanism of adiabatic primary electron transfer in photosystem I: Femtosecond spectroscopy upon excitation of reaction center in the far-red edge of the QY band. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 895-905.	0.5	37
11	Evidence that histidine forms a coordination bond to the A0A and A0B chlorophylls and a second H-bond to the A1A and A1B phylloquinones in M688HPsaA and M668HPsaB variants of Synechocystis sp. PCC 6803. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1362-1375.	0.5	32
12	Tuning photochemical properties of phosphorus(<scp>v</scp>) porphyrin photosensitizers. Chemical Communications, 2017, 53, 9918-9921.	2.2	32
13	Photobleaching of Orange II within seconds using the oxone/Co2+ reagent through Fenton-like chemistry. Chemical Communications, 2003, , 2382.	2.2	31
14	Role of hydrogen bond alternation and charge transfer states in photoactivation of the Orange Carotenoid Protein. Communications Biology, 2021, 4, 539.	2.0	30
15	Effects of a Central Atom and Peripheral Substituents on Photoinduced Electron Transfer in the Phthalocyanineâ€“Fullerene Donorâ€“Acceptor Solution-Processable Dyads. Journal of Physical Chemistry C, 2020, 124, 4010-4023.	1.5	27
16	Evidence that chlorophyll f functions solely as an antenna pigment in far-red-light photosystem I from Fischerella thermalis PCC 7521. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148184.	0.5	26
17	Study of the HNO + HNO and HNO + NO reactions by intracavity laser spectroscopy. International Journal of Chemical Kinetics, 1981, 13, 1041-1050.	1.0	25
18	Femtosecond Spectroscopy of Au Hot-Electron Injection into TiO2: Evidence for Au/TiO2 Plasmon Photocatalysis by Bactericidal Au Ions and Related Phenomena. Nanomaterials, 2019, 9, 217.	1.9	25

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19	Antimicrobial effect of metallic and semiconductor nanoparticles. Nanotechnologies in Russia, 2010, 5, 277-289.	0.7	23
20	Insight into the catalyst/photocatalyst microstructure presenting the same composition but leading to a variance in bacterial reduction under indoor visible light. Applied Catalysis B: Environmental, 2017, 208, 135-147.	10.8	22
21	PSI-SMALP, a Detergent-free Cyanobacterial Photosystem I, Reveals Faster Femtosecond Photochemistry. Biophysical Journal, 2020, 118, 337-351.	0.2	22
22	Femtosecond relaxation of photoexcited states in nanosized semiconductor particles of iron oxides. Russian Chemical Bulletin, 2002, 51, 457-461.	0.4	21
23	Spectral properties of the surface plasmon resonance and electron injection from gold nanoparticles to TiO2 mesoporous film: femtosecond study. Photochemical and Photobiological Sciences, 2013, 12, 631-637.	1.6	21
24	Correlating microscopy techniques and ToF-SIMS analysis of fully grown mammalian oocytes. Analyst, The, 2016, 141, 4121-4129.	1.7	21
25	Femtosecond laser synthesis of nitrogen-doped luminescent carbon dots from acetonitrile. Dyes and Pigments, 2021, 188, 109176.	2.0	20
26	First unambiguous evidence for distinct ionic and surface-contact effects during photocatalytic bacterial inactivation on Cuâ€“Ag films: Kinetics, mechanism and energetics. Materials Today Chemistry, 2017, 6, 62-74.	1.7	19
27	Primary charge separation within the structurally symmetric tetrameric Chl2APAPBChl2B chlorophyll exciplex in photosystem I. Journal of Photochemistry and Photobiology B: Biology, 2021, 217, 112154.	1.7	19
28	Femtosecond formation dynamics of primary photoproducts of visual pigment rhodopsin. Biochemistry (Moscow), 2010, 75, 25-35.	0.7	18
29	FeOx-TiO2 Film with Different Microstructures Leading to Femtosecond Transients with Different Properties: Biological Implications under Visible Light. Scientific Reports, 2016, 6, 30113.	1.6	17
30	Ultrafast Spectroscopy of Fano-Like Resonance between Optical Phonon and Excitons in CdSe Quantum Dots: Dependence of Coherent Vibrational Wave-Packet Dynamics on Pump Fluence. Nanomaterials, 2017, 7, 371.	1.9	17
31	OCTâ€guided laser hyperthermia with passively tumorâ€targeted gold nanoparticles. Journal of Biophotonics, 2010, 3, 718-727.	1.1	16
32	ToF-SIMS depth profiling of nanoparticles: Chemical structure of core-shell quantum dots. Applied Surface Science, 2019, 481, 144-150.	3.1	14
33	Ultrafast excited state dynamics of a stilbeneâ€“viologen charge transfer complex and its interaction with alkanediammonium salts. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 89-98.	2.0	14
34	Femtosecond Laser Spectroscopy of the Rhodopsin Photochromic Reaction: A Concept for Ultrafast Optical Molecular Switch Creation (Ultrafast Reversible Photoreaction of Rhodopsin). Molecules, 2014, 19, 18351-18366.	1.7	13
35	Femtosecond spectroscopy and TD-DFT calculations of CuCl₄^{2â^’} excited states. Dalton Transactions, 2014, 43, 17820-17827.	1.6	13
36	Formation of a supramolecular charge-transfer complex. Ultrafast excited state dynamics and quantum-chemical calculations. Photochemical and Photobiological Sciences, 2019, 18, 232-241.	1.6	13

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37	Generation of ion-radical chlorophyll states in the light-harvesting antenna and the reaction center of cyanobacterial photosystem I. Photosynthesis Research, 2020, 146, 55-73.	1.6	13
38	Fusion of blastomeres in mouse embryos under the action of femtosecond laser radiation. Efficiency of blastocyst formation and embryo development. Quantum Electronics, 2015, 45, 498-502.	0.3	12
39	Femtosecond spectroscopic study of photochromic reactions of bacteriorhodopsin and visual rhodopsin. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 296-305.	1.7	12
40	Complexation of Donor-Acceptor Substituted Aza-Crowns with Alkali and Alkaline Earth Metal Cations. Charge Transfer and Recoordination in Excited State. Journal of Fluorescence, 2016, 26, 585-592.	1.3	12
41	Evidence for differentiated ionic and surface contact effects driving bacterial inactivation by way of genetically modified bacteria. Chemical Communications, 2017, 53, 9093-9096.	2.2	12
42	Photochemical properties of photosystem 1 immobilized in a mesoporous semiconductor matrix. High Energy Chemistry, 2012, 46, 200-205.	0.2	11
43	Visualization of the spatial distribution of Pt+ ions in cisplatin-treated glioblastoma cells by time-of-flight secondary ion mass spectrometry. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2015, 9, 202-209.	0.3	11
44	Comparative Femtosecond Spectroscopy of Primary Photoreactions of Exiguobacterium sibiricum Rhodopsin and Halobacterium salinarum Bacteriorhodopsin. Journal of Physical Chemistry B, 2021, 125, 995-1008.	1.2	11
45	Conical intersection participation in femtosecond dynamics of visual pigment rhodopsin chromophore cis-trans photoisomerization. Doklady Biochemistry and Biophysics, 2012, 446, 242-246.	0.3	10
46	Formation and decay of P680 (PD1â€“PD2)+PheoD1â˜ radical ion pair in photosystem II core complexes. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1384-1388.	0.5	10
47	Femtosecond Optical Trap-Assisted Nanopatterning through Microspheres by a Single Ti:Sapphire Oscillator. Journal of Physical Chemistry C, 2015, 119, 12562-12571.	1.5	10
48	Production of gold nanoparticles by biogenesis using bacteria. Microbiology, 2016, 85, 63-70.	0.5	10
49	Dynamics of excited-state intramolecular proton-transfer in 2-amino-3-(2â€²-benzazolyl)quinoline cations. Photochemical and Photobiological Sciences, 2017, 16, 1139-1145.	1.6	10
50	New Evidence for Ag-Sputtered Materials Inactivating Bacteria by Surface Contact without the Release of Ag Ions: End of a Long Controversy?. ACS Applied Materials & Interfaces, 2020, 12, 4998-5007.	4.0	10
51	Multiexponential dynamics of Mn2+(3d5) excitation in manganese doped ZnCdS quantum dots: Stimulated emission band in femtosecond transient spectra reveals ultrafast nonradiative energy transfer to Mn2+(3d5). Chemical Physics Letters, 2020, 743, 137160.	1.2	10
52	Unprecedented Coordination-Induced Bright Red Emission from Group 12 Metal-Bound Triarylazoimidazoles. Molecules, 2021, 26, 1739.	1.7	10
53	Nitrogen-Doped Carbon Nanodots Produced by Femtosecond Laser Synthesis for Effective Fluorophores. ACS Omega, 2022, 7, 6810-6823.	1.6	10
54	Title is missing!. Russian Chemical Bulletin, 2002, 51, 986-993.	0.4	9

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55	Secondary ion mass spectrometric signal enhancement of phosphatidylcholine dioleoyl on enlarged nanoparticles surface. Applied Surface Science, 2014, 316, 36-41.	3.1	9
56	Effect of Dehydrated Trehalose Matrix on the Kinetics of Forward Electron Transfer Reactions in Photosystem I. Zeitschrift Fur Physikalische Chemie, 2017, 231, 325-345.	1.4	9
57	Femtosecond Laser Synthesis of Luminescent Carbon Dots from Toluene. JETP Letters, 2019, 110, 464-471.	0.4	9
58	Probing Intracellular Dynamics Using Fluorescent Carbon Dots Produced by Femtosecond Laser In Situ. ACS Omega, 2020, 5, 12527-12538.	1.6	9
59	Femtosecond laser surgery of two-cell mouse embryos: effect on viability, development, and tetraploidization. Journal of Biomedical Optics, 2017, 22, 1.	1.4	9
60	Aerosol Dry Printing for SERS and Photoluminescence-Active Gold Nanostructures Preparation for Detection of Traces in Dye Mixtures. Nanomaterials, 2022, 12, 448.	1.9	9
61	Long-lived coherent oscillations of the femtosecond transients in cyanobacterial photosystem I. Physical Chemistry Chemical Physics, 2006, 8, 5671.	1.3	8
62	Specific spectral properties of a photochromic ferromagnetic (C25H23N3O3Cl)CrMn(C2O4)3Â·H2O. Russian Chemical Bulletin, 2007, 56, 1095-1102.	0.4	8
63	Nanophotobiocatalysts based on mesoporous titanium dioxide films conjugated with enzymes and photosynthetic reaction centers of bacteria. High Energy Chemistry, 2008, 42, 591-593.	0.2	8
64	Photochromism of visual pigment rhodopsin on the femtosecond time scale: Coherent control of retinal chromophore isomerization. Doklady Biochemistry and Biophysics, 2010, 435, 302-306.	0.3	8
65	ATP-Mediated Compositional Change in Peripheral Myelin Membranes: A Comparative Raman Spectroscopy and Time-Of-Flight Secondary Ion Mass Spectrometry Study. PLoS ONE, 2015, 10, e0142084.	1.1	8
66	Excitation of photosystem I by 760 nm femtosecond laser pulses: transient absorption spectra and intermediates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 174001.	0.6	8
67	A novel approach for 3D reconstruction of mice full-grown oocytes by time-of-flight secondary ion mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 311-319.	1.9	8
68	Visible and Near Infrared Absorption Spectrum of the Excited Singlet State of Chlorophyll a. High Energy Chemistry, 2020, 54, 145-147.	0.2	8
69	Carbazole-functionalized cobalt(ii) porphyrin axially bonded with C60/C70 derivatives: synthesis and characterization. New Journal of Chemistry, 2021, 45, 9053-9065.	1.4	8
70	Ultrafast Quenching of Excitons in the ZnxCd1â^'xS/ZnS Quantum Dots Doped with Mn2+ through Charge Transfer Intermediates Results in Manganese Luminescence. Nanomaterials, 2021, 11, 3007.	1.9	8
71	Structural and optical properties of Mn2+-doped ZnCdS/ZnS core/shell quantum dots: New insights in Mn2+ localization for higher luminescence sensing. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113946.	2.0	8
72	Photophysical properties of (?2-C60)Pd(PPh3)2 complex in benzene. Picosecond and nanosecond laser photolysis. Russian Chemical Bulletin, 1996, 45, 1103-1106.	0.4	7

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73	Synthesis and photochemical and magnetic properties of Cr, Mn, Fe, and Co complexes based on the 1-{(1â€²,3â€²,3â€²-trimethylspiro[2H-1-benzopyran-2,2â€²-indolin]-8-yl)methyl}pyridinium cation. Russian Chemical Bulletin, 2008, 57, 1451-1460.	0.4	7
74	1-Benzyl-3,3,5â€²,6â€²-tetramethylspiro[indoline-2,2â€²-[2H]pyrano[3,2-b]-pyridinium] iodide, its hydrate, and a neutral precursor of the salts: synthesis, crystal structure, photochromic transformations in solutions and in crystals. Russian Chemical Bulletin, 2011, 60, 1401-1408.	0.4	7
75	Femtosecond and picosecond dynamics of recombinant bacteriorhodopsin primary reactions compared to the native protein in trimeric and monomeric forms. Biochemistry (Moscow), 2017, 82, 490-500.	0.7	7
76	Complexation of bisâ€crown stilbene with alkali and alkalineâ€earth metal cations. Ultrafast excited state dynamics of the stilbeneâ€viologen analogue charge transfer complex. Journal of Physical Organic Chemistry, 2018, 31, e3759.	0.9	7
77	Monitoring the electric field in CdSe quantum dots under ultrafast interfacial electron transfer via coherent phonon dynamics. Nanoscale, 2018, 10, 22409-22419.	2.8	7
78	Quenching excited triplet C60 fullerene by tetracyanoethylene in benzonitrile. Russian Chemical Bulletin, 1993, 42, 1171-1173.	0.4	6
79	Synthesis of a C60 complex withN,N,N?,N?-tetramethyl-p-phenylenediamine and its crystal structure. Russian Chemical Bulletin, 1996, 45, 1224-1225.	0.4	6
80	Interaction of the iridium(III) trihydridophosphine complex with fullerene C60 under thermal and photochemical excitation. Russian Chemical Bulletin, 1997, 46, 2032-2035.	0.4	6
81	Coherent processes in formation of primary products of rhodopsin photolysis. Doklady Biochemistry and Biophysics, 2008, 421, 194-198.	0.3	6
82	Fourier transform infrared spectroscopic study of the photocatalytic degradation of cancerous cells on titanium dioxide. High Energy Chemistry, 2010, 44, 426-430.	0.2	6
83	Primary steps of electron and energy transfer in photosystem I: Effect of excitation pulse wavelength. Biochemistry (Moscow), 2012, 77, 1011-1020.	0.7	6
84	Time-of-flight secondary ion mass spectrometry to assess spatial distribution of A2E and its oxidized forms within lipofuscin granules isolated from human retinal pigment epithelium. Analytical and Bioanalytical Chemistry, 2016, 408, 7521-7528.	1.9	6
85	Femtosecond excited state dynamics of a stilbeneâ€”viologen charge transfer complex assembled via hostâ€”guest interaction. Photochemical and Photobiological Sciences, 2017, 16, 1801-1811.	1.6	6
86	Femtosecond laser-induced blastomere fusion results in embryo tetraploidy by common metaphase plate formation. Experimental Cell Research, 2020, 389, 111887.	1.2	6
87	EFFECT OF TRANSMEMBRANE POTENTIAL ON CHARGE PHOTOSEPARATION IN LIPOSOMES. Photochemistry and Photobiology, 1991, 53, 261-269.	1.3	5
88	Dynamics of adduct formation of hydroquinone under oxidative conditions observed by laser spectroscopy. Chemical Communications, 1997, , 41-42.	2.2	5
89	Photochemical study of the zinc cis-3-(4-imidazolylphenyl)-1-(pyridin-2-yl)[60]fullereno[1,2-c]pyrrolidine-meso-tetraphenylporphyrinate dyad. Russian Chemical Bulletin, 2006, 55, 1598-1604.	0.4	5
90	Molecular magnetic structures based on high-spin intermediates of low-temperature radiolysis of azido derivatives and possibilities of their use in undulator systems. Russian Chemical Bulletin, 2013, 62, 255-264.	0.4	5

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91	Visualization of the spatial distribution of Ag ions in cyanobacteria Anabaena sp. PCC 7120 by time-of-flight secondary ion mass spectrometry and two-photon luminescence microscopy. Nanotechnologies in Russia, 2016, 11, 361-363.	0.7	5
92	Formation of light-absorbing centers induced in cytoplasm of mouse embryos by femtosecond pulsed near-infrared radiation. High Energy Chemistry, 2016, 50, 421-423.	0.2	5
93	Femtochemistry of Rhodopsins. Russian Journal of Physical Chemistry B, 2021, 15, 344-351.	0.2	5
94	Symmetry breaking in photosystem I: ultrafast optical studies of variants near the accessory chlorophylls in the A- and B-branches of electron transfer cofactors. Photochemical and Photobiological Sciences, 2021, 20, 1209-1227.	1.6	5
95	Structure and photochromic and magnetic properties of 1-isopropyl-3,3,5â€²,6â€²-tetramethylspiro[indoline-2,2â€²-2H-pyrano[3,2-b]pyridinium] tris(oxalato)chromate(III). Russian Chemical Bulletin, 2008, 57, 2592-2599.	0.4	4
96	Enhanced luminescence and two-photon absorption of silver nano-clusters. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S162-S166.	0.8	4
97	Quantum-classical model of retinal photoisomerization reaction in visual pigment rhodopsin. Doklady Biochemistry and Biophysics, 2016, 471, 435-439.	0.3	4
98	Excitonic Coupling and Femtosecond Relaxation of Zinc Porphyrin Oligomers Linked with Triazole Bridge: Dynamics and Modeling. Journal of Physical Chemistry A, 2016, 120, 1961-1970.	1.1	4
99	Synthesis of Silver Nanoparticles with the use of Herbaceous Plant Extracts and Effect of Nanoparticles on Bacteria. Applied Biochemistry and Microbiology, 2018, 54, 816-823.	0.3	4
100	The Use of ToF-SIMS for Analysis of Bioorganic Samples. Biophysics (Russian Federation), 2018, 63, 215-221.	0.2	4
101	Intramolecular photoâ€driven electron transfer in the series of DMABN related compounds with paraâ€substituted acceptors. Study of the rate constants by Marcus theory. Journal of Physical Organic Chemistry, 2020, 33, e4041.	0.9	4
102	The binding energy of biexcitons in alloy ZnxCd1â^'xS quantum dots detected by femtosecond laser spectroscopy. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	4
103	Immunocytochemical Localization of XRCC1 and Î³H2AX Foci Induced by Tightly Focused Femtosecond Laser Radiation in Cultured Human Cells. Molecules, 2021, 26, 4027.	1.7	4
104	Study of the reactions of the HCO radical by the intraresonator laser spectroscopy method during the pulse photolysis of acetaldehyde. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1979, 28, 605-607.	0.0	3
105	Spectra of optical phonons and low-energy electronic transitions in C60/TMPD and C60/TPA single crystals. Russian Chemical Bulletin, 1996, 45, 1389-1393.	0.4	3
106	The reaction of ethyl 2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate with fullerene C60. Russian Chemical Bulletin, 1996, 45, 2402-2404.	0.4	3
107	Orientational dynamics of C70 molecules in chlorobenzene. Russian Chemical Bulletin, 1996, 45, 560-563.	0.4	3
108	Femtosecond pulse excitation of vibrational wave packets in chloroform: The effect of gold nanoparticles. High Energy Chemistry, 2011, 45, 250-257.	0.2	3

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109	Relaxation of photoexcited gold nanoparticles in an aqueous colloid and mesoporous TiO2 films: Influence of the interface. High Energy Chemistry, 2011, 45, 428-433.	0.2	3
110	Femtosecond optoperforation of the cell wall of cyanobacterium Anabaena sp. PCC 7120 in the presence of gold nanoparticles. Nanotechnologies in Russia, 2011, 6, 668-675.	0.7	3
111	Femtosecond dynamics of excited-state intramolecular proton transfer in o-tosylaminobenzaldehyde. High Energy Chemistry, 2012, 46, 247-252.	0.2	3
112	Tunneling proton transfer in biological systems. Role of temperature and pressure. Russian Journal of Physical Chemistry A, 2012, 86, 1399-1406.	0.1	3
113	Primary radical ion pairs in photosystem II core complexes. Biochemistry (Moscow), 2014, 79, 197-204.	0.7	3
114	Femto-picosecond relaxation of triazole-bridged bis(zinc porphyrin). High Energy Chemistry, 2014, 48, 276-281.	0.2	3
115	Structural Features of the Nucleolus in the Mouse Germinal Vesicle Oocyte Revealed by AFM, SEM, and ToF-SIMS. Nanotechnologies in Russia, 2017, 12, 444-447.	0.7	3
116	Quantum-classical model of the rhodopsin retinal chromophore cisâ€“trans photoisomerization with modified inter-subsystem coupling. Computational and Theoretical Chemistry, 2020, 1181, 112831.	1.1	3
117	Mn2+-doped ZnSâ€“CdS alloy nanocrystals for the photocatalytic hydrogen evolution reaction. Mendeleev Communications, 2021, 31, 315-318.	0.6	3
118	The donorâ€“acceptor dyad based on high substituted fullero[70]pyrrolidine-coordinated manganese (III) phthalocyanine for photoinduced electron transfer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120166.	2.0	3
119	Multimodal approach to reveal the effect of light irradiation on chemical composition of lipofuscin granules of human RPE tissues. Journal of Physics: Conference Series, 2020, 1695, 012063.	0.3	3
120	Preparation of a stable ultradispersed AgBr colloid in water-oil microemulsions. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 422-423.	0.0	2
121	Femtosecond dynamics of photocyclization of 1-[(4-{5-[4-chloromethyl-2,5-dimethyl-3-thienyl]-2-oxo-1,3-dioxol-4-yl}-2,5-dimethyl-3-thienyl)methyl]pyridinium chloride. Russian Chemical Bulletin, 2011, 60, 1118-1127.	0.4	2
122	Microstructuring of polymer films by femtosecond pulses through optically trapped polystyrene microspheres. Quantum Electronics, 2013, 43, 361-364.	0.3	2
123	Obtainment of chimeric blastocysts of mice by methods of laser nanosurgery. Russian Journal of Developmental Biology, 2013, 44, 302-306.	0.1	2
124	Spectral and kinetic parameters of transient species in the photolysis of naphthylmethylideneiminospironaphthopyran by excitation at different wavelengths: Nano- and femtosecond laser photolysis. High Energy Chemistry, 2013, 47, 120-126.	0.2	2
125	Spherical gold nanoparticles and SiO2/Au core/shell microparticles under intense femtosecond laser excitation: relaxation dynamics of gold nanoparticles and nanostructuring of borosilicate glass using SiO2/Au microparticles. Quantum Electronics, 2014, 44, 852-858.	0.3	2
126	Effect of laser optoperforation of the zona pellucida on mouse embryo development in vitro. Biochemistry (Moscow), 2015, 80, 769-775.	0.7	2

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127	Stepwise versus Concerted Mechanism of Photoinduced Proton Transfer in sec-1,2-Dihydroquinolines: Effect of Excitation Wavelength and Solvent Composition. Journal of Physical Chemistry B, 2015, 119, 2490-2497.	1.2	2
128	Innovative self-sterilizing transparent Feâ€“phosphate polyethylene films under visible light. RSC Advances, 2016, 6, 77066-77074.	1.7	2
129	Photocatalytic activity of CdS nanocrystals stabilized by a polymer shell and promoted by cobalt and nickel complexes in the reaction of hydrogen evolution. Russian Chemical Bulletin, 2017, 66, 2048-2056.	0.4	2
130	Comparisons of Electron Transfer Reactions in a Cyanobacterial Tetrameric and Trimeric Photosystem I Complexes. Photochemistry and Photobiology, 2018, 94, 564-569.	1.3	2
131	Comparative activity of aqueous dispersions of CdS nanocrystals stabilized by cationic and anionic polyelectrolytes in photocatalytic hydrogen production from water. Russian Chemical Bulletin, 2018, 67, 1803-1806.	0.4	2
132	Anisotropy of Differential Spectra of Gold Nanoparticle Absorption in a TiO2 Matrix: Electron Injection into the TiO2 Conduction Band. Russian Journal of Physical Chemistry B, 2019, 13, 539-542.	0.2	2
133	Physicochemical Mechanisms of Nanostructuring of Glass by Femtosecond Laser Pulses with the Use of Selective Etching. JETP Letters, 2019, 109, 292-297.	0.4	2
134	Monitoring the energy of the metal ion-content plasma-assisted deposition and its implication for bacterial inactivation. Applied Surface Science, 2019, 467-468, 749-752.	3.1	2
135	Photo-induced environmental remediation, biomedical imaging, and microbial inactivation by Mn-doped semiconductors: critical issues. Current Opinion in Chemical Engineering, 2021, 34, 100731.	3.8	2
136	Charge-transfer complexes of fullerene C70 and ternary amines in chlorobenzene. Picosecond dynamics of charge recombination. Russian Chemical Bulletin, 1996, 45, 1091-1098.	0.4	1
137	Photophysical properties of the extract of endometallofullerenes La@C2n inortho-dichlorobenzene. Picosecond laser photolysis. Russian Chemical Bulletin, 1999, 48, 1897-1899.	0.4	1
138	Femtosecond dynamics of excitations and electron-electron interactions in single-wall carbon nanotubes. Doklady Physics, 2005, 50, 12-17.	0.2	1
139	Single-molecule force spectroscopy of a protein globule covalently bound to a calcite surface. Russian Journal of Physical Chemistry B, 2008, 2, 350-353.	0.2	1
140	Investigation of biodistribution of gold nanoparticles in healthy animals. Nanotechnologies in Russia, 2010, 5, 409-416.	0.7	1
141	Use of a film modulator with single-walled carbon nanotubes for mode locking in a pulse titanium-sapphire laser at a wavelength of 810 nm. High Energy Chemistry, 2010, 44, 530-533.	0.2	1
142	Photothermolysis of tumor with gold nanoparticles guided by NIR and acoustic thermometries. Proceedings of SPIE, 2010, , .	0.8	1
143	Plasmon resonance gold nanoparticles for improving optical diagnostics and photothermal therapy of tumor. , 2010, , .		1
144	Effect of acetic acid on the adhesion-capillary interaction of an atomic force microscope probe with immunoglobulin G. Russian Journal of Physical Chemistry A, 2011, 85, 2197-2202.	0.1	1

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145	Nonlinear optical effects of near-IR femtosecond laser radiation on the morphology and structure of a nerve cell in the field of an optical trap. Russian Journal of Physical Chemistry B, 2012, 6, 362-367.	0.2	1
146	Optical trapping of microparticles from a stream in vacuum. Nanotechnologies in Russia, 2013, 8, 664-671.	0.7	1
147	Femtosecond dynamics of primary processes in visual pigment rhodopsin. Russian Journal of Physical Chemistry B, 2014, 8, 510-517.	0.2	1
148	Electron transfer in photosystem I containing native and modified quinone acceptors. Biochemistry (Moscow), 2015, 80, 654-661.	0.7	1
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