

# Hiroshi Miyasaka

## List of Publications by Year in Descending Order

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

260  
papers

7,205  
citations

47  
h-index

72  
g-index

294  
ext. papers

7,787  
ext. citations

5.5  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
260	Spatial distribution of single guest molecules along thickness of thin films of poly(2-hydroxyethyl acrylate).. <i>Photochemical and Photobiological Sciences</i> , <b>2022</b> , 21, 175	4.2	1
259	Visualization of the microstructure and the position-dependent diffusion coefficient in a blended polymer solid using photo-activation localization microscopy combined with single-molecule tracking based on one-color fluorescence-switching of diarylethene. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 736-740	4.9	0
258	Ultrafast energy transfer between self-assembled fluorophore and photosynthetic light-harvesting complex 2 (LH2) in lipid bilayer.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 095101	3.9	0
257	Fluorescent supramolecular polymers of barbiturate dyes with thiophene-cored twisted $\pi$ systems.. <i>Chemical Science</i> , <b>2022</b> , 13, 1281-1287	9.4	2
256	Doubly linked chiral phenanthrene oligomers for homogeneously $\pi$ -extended helicenes with large effective conjugation length.. <i>Nature Communications</i> , <b>2022</b> , 13, 1475	17.4	6
255	1,2,3-Tri(9-anthryl)benzene: Photophysical Properties and Solid-State Intermolecular Interactions of Radially Arranged, Congested Aromatic $\pi$ Planes.. <i>Chemistry - A European Journal</i> , <b>2021</b> , e202104245	4.8	0
254	Enhanced light harvesting and photocurrent generation activities of biohybrid light-harvesting reaction center core complexes (LH1-RCs) from <i>Rhodospseudomonas palustris</i> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 405, 112790	4.7	1
253	Molecular crystalline capsules that release their contents by light. <i>Chemical Science</i> , <b>2021</b> , 12, 11585-11592	9.4	5
252	Real-Time Blinking Suppression of Perovskite Quantum Dots by Halide Vacancy Filling. <i>ACS Nano</i> , <b>2021</b> , 15, 2831-2838	16.7	18
251	Slow photoionization via higher excited states of N,N-dimethylaniline in ethanol solution probed by femtosecond transient absorption spectroscopy under two-pulse two-photon excitation. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 054304	3.9	1
250	Vibrational Dephasing along the Reaction Coordinate of an Electron Transfer Reaction. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14511-14522	16.4	2
249	Direct determination of molar absorption coefficients of several molecules in the lowest excited singlet states. <i>Photochemical and Photobiological Sciences</i> , <b>2021</b> , 20, 1287-1297	4.2	0
248	Vibrational decoherence induced by ultrafast intramolecular charge separation of an asymmetric bianthryl derivative. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 084307	3.9	3
247	Fluorescent Supramolecular Polymorphism Driven by Distinct Hydrogen Bonding Lattice. <i>Chemistry Letters</i> , <b>2020</b> , 49, 1009-1012	1.7	4
246	Restriction of the conrotatory motion in photo-induced 6 $\pi$ electrocyclic reaction: formation of the excited state of the closed-ring isomer in the cyclization.. <i>RSC Advances</i> , <b>2020</b> , 10, 20038-20045	3.7	2
245	Ultrafast capture of electrons ejected by photoionization leading to the formation of a charge-separated state at a high energy level. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 17472-17481	3.6	4
244	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1524-1530	3.2	3

243	A dominant factor of the cycloreversion reactivity of diarylethene derivatives as revealed by femtosecond time-resolved absorption spectroscopy. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 034301	3.9	8
242	Advanced Control of Photochemical Reactions Leading to Synergetic Responses in Molecules and Mesoscopic Materials <b>2020</b> , 3-27		0
241	Ultrafast Energy Transfer of Biohybrid Photosynthetic Antenna Complexes in Molecular Assembly Systems <b>2020</b> , 389-401		
240	Non-connon Effect on Ultrafast Excited-State Intramolecular Proton Transfer. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 265-271	2.8	12
239	Geometrical Evolution and Formation of the Photoproduct in the Cycloreversion Reaction of a Diarylethene Derivative Probed by Vibrational Spectroscopy. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1485	3.2	
238	Sequential energy transfer driven by monoexponential dynamics in a biohybrid light-harvesting complex 2 (LH2). <i>Photosynthesis Research</i> , <b>2020</b> , 143, 115-128	3.7	9
237	Ultrafast Photodynamics and Quantitative Evaluation of Biohybrid Photosynthetic Antenna and Reaction Center Complexes Generating Photocurrent. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8605-8615	3.8	6
236	Improvement in Photostability of Fluorescein by Lanthanide Ions Based on Energy Transfer-based Triplet State Quenching. <i>Chemistry Letters</i> , <b>2019</b> , 48, 1181-1184	1.7	1
235	Ionization dynamics of a phenylenediamine derivative in solutions as revealed by femtosecond simultaneous and stepwise two-photon excitation. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 2889-2898	3.6	4
234	β-Carotene Probes the Energy Transfer Pathway in the Photosystem II Core Complex. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 3710-3714	6.4	4
233	Solid-State, Near-Infrared to Visible Photon Upconversion via Triplet-Triplet Annihilation of a Binary System Fabricated by Solution Casting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20812-20819	9.5	28
232	Vibrational coherence in ultrafast electron transfer reaction observed by broadband transient absorption spectroscopy. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 09028	0.3	0
231	Crystallization-induced emission of 1,2-bis(3-methyl-5-(4-alkylphenyl)-2-thienyl)perfluorocyclopentenes: A mechanical and thermal recording system. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 450-456	4.6	3
230	Opto-thermophoretic separation and trapping of plasmonic nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 21093-21102	11.02	12
229	Object Transportation System Mimicking the Cilia of Paramecium aurelia Making Use of the Light-Controllable Crystal Bending Behavior of a Photochromic Diarylethene. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13308-13312	16.4	17
228	Comparative studies on picosecond-resolved fluorescence of d-amino acid oxidases from human with one from porcine kidney. Photoinduced electron transfer from aromatic amino acids to the excited flavin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2019</b> , 198, 111546	6.7	
227	Excited state dynamics for visible-light sensitization of a photochromic benzil-substituted phenoxy-imidazolyl radical. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 2369-2379	2.5	1
226	Cyclization reaction dynamics of an inverse type diarylethene derivative as revealed by time-resolved absorption and fluorescence spectroscopies. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 8623-8632	3.6	8

225	Fluorescence On/Off Switching in Nanoparticles Consisting of Two Types of Diarylethenes. <i>ACS Omega</i> , <b>2018</b> , 3, 2374-2382	3.9	6
224	A turn-on mode fluorescent diarylethene: Solvatochromism of fluorescence. <i>Dyes and Pigments</i> , <b>2018</b> , 153, 144-149	4.6	22
223	Dynamic Polymorph Formation during Evaporative Crystallization from Solution: The Key Role of Liquid-Like Clusters as "Crucible" at Ambient Temperature. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4343-4349	4.8	7
222	Femtosecond excited-state dynamics of fullerene-C nanoparticles in water. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 958-966	3.6	3
221	Mesoscopic Motion of Optically Trapped Particle Synchronized with Photochromic Reactions of Diarylethene Derivatives. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2659-2664	6.4	12
220	Hexa- peri-hexabenzo[7]helicene: Homogeneously $\pi$ -Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4317-4326	16.4	106
219	Two-photon actuation of crosslinked liquid-crystalline polymers utilizing energy transfer system. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 662, 53-60	0.5	2
218	Switching of Radiation Force on Optically Trapped Microparticles through Photochromic Reactions of Pyranoquinazoline Derivatives. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 22033-22040	3.8	7
217	Single-particle photoluminescence from cadmium selenide quantum dots fabricated via laser ablation in superfluid helium. <i>Journal of Nanophotonics</i> , <b>2018</b> , 13, 1	1.1	3
216	Solid-State Fluorescence Behavior Induced by Photochemical Ring-Opening Reaction of 1,2-Bis(3-methyl-5-phenyl-2-thienyl)perfluorocyclopentene. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 153-157	5.1	6
215	Stepwise Two-Photon-Induced Electron Transfer from Higher Excited States of Noncovalently Bound Porphyrin-CdS/ZnS Core/Shell Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 7098-7104	6.4	10
214	Cycloreversion Reaction of a Fulgide Derivative in Higher Excited States Attained by Femtosecond Two-Photon Pulsed Excitation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24987-24995	3.8	7
213	Laser-induced reprecipitation of pyrene at 77 K and its dynamics as studied by spectroscopic techniques. <i>Photochemical and Photobiological Sciences</i> , <b>2018</b> , 17, 910-916	4.2	2
212	Multiphoton-gated cycloreversion reaction of a fluorescent diarylethene derivative as revealed by transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 19776-19783	3.6	3
211	Polymorphs of a diarylethene that exhibits strong emission and direct visualization of polymorphic phase transition process by fluorescence color change. <i>Dyes and Pigments</i> , <b>2017</b> , 139, 233-238	4.6	6
210	One-colour control of activation, excitation and deactivation of a fluorescent diarylethene derivative in super-resolution microscopy. <i>Chemical Communications</i> , <b>2017</b> , 53, 4066-4069	5.8	51
209	Plasmonic Control and Stabilization of Asymmetric Light Scattering from Ag Nanocubes on TiO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11064-11072	9.5	16
208	Fluorescence On/Off Switching in Polymers Bearing Diarylethene and Fluorene in Their Side Chains. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 6272-6281	3.8	19

207	Direct Observation of the Ultrafast Evolution of Open-Shell Biradical in Photochromic Radical Dimer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6382-6389	16.4	17
206	AIE phenomena of a cyanostilbene derivative as a probe of molecular assembly processes. <i>Faraday Discussions</i> , <b>2017</b> , 196, 231-243	3.6	11
205	Flapping viscosity probe that shows polarity-independent ratiometric fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5248-5256	7.1	47
204	Fabrication of silver nanoparticles from silver salt aqueous solution at water-glass interface by visible CW laser irradiation without reducing reagents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 344, 168-177	4.7	5
203	Turn-on mode fluorescent diarylethenes: Control of the cycloreversion quantum yield. <i>Tetrahedron</i> , <b>2017</b> , 73, 4918-4924	2.4	22
202	Stationary bubble formation and Marangoni convection induced by CW laser heating of a single gold nanoparticle. <i>Nanoscale</i> , <b>2017</b> , 9, 719-730	7.7	56
201	Single-Molecule Monitoring of the Structural Switching Dynamics of Nucleic Acids through Controlling Fluorescence Blinking. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15329-15333	16.4	8
200	Single-Molecule Monitoring of the Structural Switching Dynamics of Nucleic Acids through Controlling Fluorescence Blinking. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15531-15535	3.6	5
199	Femtosecond-Laser-Enhanced Amyloid Fibril Formation of Insulin. <i>Langmuir</i> , <b>2017</b> , 33, 8311-8318	4	9
198	Cycloreversion Reaction of a Diarylethene Derivative at Higher Excited States Attained by Two-Color, Two-Photon Femtosecond Pulsed Excitation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17159-17167	16.4	22
197	Fluorescence Photoswitching of a Diarylethene by Irradiation with Single-Wavelength Visible Light. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 16498-16501	16.4	55
196	Efficient Cycloreversion Reaction of a Diarylethene Derivative in Higher Excited States Attained by Off-Resonant Simultaneous Two-Photon Absorption. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3272-3276	6.4	24
195	Multiphoton-Gated Photochromic Reactions Induced by Pulsed Laser Excitation <b>2017</b> , 225-235		2
194	Dynamics of Excitation Energy Transfer Between the Subunits of Photosystem II Dimer. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 11599-605	16.4	8
193	Sub-100 fs Charge Separation and Subsequent Diffusive Solvation Observed for Asymmetric Bianthryl Derivative in Ionic Liquid. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 14502-14512	3.8	9
192	Photochromism of diarylethene derivatives having benzophosphole and benzothiophene groups. <i>Dyes and Pigments</i> , <b>2016</b> , 126, 186-193	4.6	8
191	Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure: picosecond pump-probe study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 4994-5004	3.6	14
190	Solvent Polarity Dependence of Photochromic Reactions of a Diarylethene Derivative As Revealed by Steady-State and Transient Spectroscopies. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 1170-1177	3.8	37

189	Turn-on mode fluorescence photoswitching of diarylethene single crystals. <i>CrystEngComm</i> , <b>2016</b> , 18, 7241-7248	3.3	19
188	Stepwise Two-Photon-Induced Fast Photoswitching via Electron Transfer in Higher Excited States of Photochromic Imidazole Dimer. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5930-8	16.4	39
187	Optical properties and solvatofluorochromism of fluorene derivatives bearing S,S-dioxidized thiophene. <i>Photochemical and Photobiological Sciences</i> , <b>2016</b> , 15, 1254-1263	4.2	13
186	Restricted diffusion of guest molecules in polymer thin films on solid substrates as revealed by three-dimensional single-molecule tracking. <i>Chemical Communications</i> , <b>2015</b> , 51, 13756-9	5.8	12
185	Properties and evolution of emission in molecular aggregates of a perylene ammonium derivative in polymer matrices. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1896-902	4.2	10
184	Extension of Light-Harvesting Ability of Photosynthetic Light-Harvesting Complex 2 (LH2) through Ultrafast Energy Transfer from Covalently Attached Artificial Chromophores. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13121-9	16.4	41
183	Fluorescent Photochromic Diarylethene That Turns on with Visible Light. <i>Organic Letters</i> , <b>2015</b> , 17, 4802-5	6.2	40
182	Femtosecond coherent wavepacket motion in an ultrafast electron transfer system composed of naphthacene derivative in an electron donating solvent. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 313, 79-86	4.7	6
181	Constraint-induced structural deformation of planarized triphenylboranes in the excited state. <i>Chemical Science</i> , <b>2014</b> , 5, 1296-1304	9.4	46
180	Mechanistic studies of photoinduced intramolecular and intermolecular electron transfer processes in RuPt-centred photo-hydrogen-evolving molecular devices. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 1607-16	3.6	38
179	Ultrafast solvation dynamics and charge transfer reactions in room temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 13008-26	3.6	35
178	Cooperative Conformational Change and Excitation Migration of Biphenyl-PMO Amorphous Film, As Revealed by Femtosecond Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 9419-9428	3.8	7
177	Picosecond-to-nanosecond dynamics of plasmonic nanobubbles from pump-probe spectral measurements of aqueous colloidal gold nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 9504-13	4	52
176	Fluorescence Behavior of Single Guest Molecules in Nonpolar Oil Droplets Covered with Stabilizing Surfactants. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 10348-10357	3.8	1
175	Organic solvent-free water-developable sugar resist material derived from biomass in green lithography. <i>Microelectronic Engineering</i> , <b>2014</b> , 122, 70-76	2.5	16
174	Photothermogenic Properties of Different-Sized Gold Nanoparticles for Application to Photothermal Therapy. <i>Chemistry Letters</i> , <b>2014</b> , 43, 975-976	1.7	5
173	Inhomogeneous Deactivation with UV Excitation in Submicron Grains of Lead Iodide Perovskite-based Solar Cell as Revealed by Femtosecond Transient Absorption Microscopy. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1656-1658	1.7	14
172	The Effect of Pre-solvation in the Ground State on Photoinduced Electron Transfer in Ionic Liquids. <i>Journal of Solution Chemistry</i> , <b>2014</b> , 43, 1550-1560	1.8	4

171	Coherent wavepacket motion in an ultrafast electron transfer system monitored by femtosecond degenerate four-wave-mixing and pump-probe spectroscopy. <i>Chemical Physics</i> , <b>2014</b> , 442, 68-76	2.3	10
170	Femtosecond degenerate four-wave-mixing measurements of coherent intramolecular vibrations in an ultrafast electron transfer system. <i>Vibrational Spectroscopy</i> , <b>2014</b> , 70, 58-62	2.1	7
169	Photoinduced charge-transfer dynamics of sequentially aligned donor-acceptor systems in an ionic liquid. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 1885-94	4.2	8
168	Multivariate curve resolution alternating least squares to cope with deviations from data bilinearity in ultrafast time-resolved spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2013</b> , 128, 101-110	3.8	18
167	Controlled spontaneous emission of single molecules in a two-dimensional photonic band gap. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 106-9	16.4	9
166	Temperature near Gold Nanoparticles under Photoexcitation: Evaluation Using a Fluorescence Correlation Technique. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 8388-8396	3.8	18
165	Permanent fixing or reversible trapping and release of DNA micropatterns on a gold nanostructure using continuous-wave or femtosecond-pulsed near-infrared laser light. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6643-8	16.4	75
164	Selective optical assembly of highly uniform nanoparticles by doughnut-shaped beams. <i>Scientific Reports</i> , <b>2013</b> , 3, 3047	4.9	40
163	Ultrafast Dynamics and Mechanisms of One-Photon and Multiphoton Photochromic Reactions <b>2013</b> , 225-246		1
162	Multiphoton-gated cycloreversion reaction of a photochromic 1,2-bis(thiazolyl) perfluorocyclopentene diarylethene derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 234, 57-65	4.7	15
161	Direct detection of electron transfer processes in photoconductive poly(N-vinylcarbazole) solid film doped with electron acceptors: Temperature dependence of femtosecond to microsecond dynamics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 234, 107-114	4.7	2
160	Tuned CAM-B3LYP functional in the time-dependent density functional theory scheme for excitation energies and properties of diarylethene derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2012</b> , 235, 29-34	4.7	65
159	Excited-state Dynamics of Fullerene Nanoparticles Dispersed in Pure Water. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1104-1106	1.7	11
158	Photochemistry of fac-[Re(bpy)(CO) <sub>3</sub> Cl]. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 15722-34	4.8	68
157	Metallic-Nanostructure-Enhanced Optical Trapping of Flexible Polymer Chains in Aqueous Solution As Revealed by Confocal Fluorescence Microspectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14610-14618	3.8	42
156	Fluorescence detection of single guest molecules in ultrasmall droplets of nonpolar solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 345-52	3.6	5
155	Femtosecond Laser Photolysis Studies on Temperature Dependence of Cyclization and Cycloreversion Reactions of a Photochromic Diarylethene Derivative. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4862-4869	3.8	59
154	Photoswitchable fluorescent diarylethene derivatives with short alkyl chain substituents. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 1661-5	4.2	41

153	Confinement of photopolymerization and solidification with radiation pressure. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14472-5	16.4	31
152	Single-molecule fluorescence photoswitching of a diarylethene-perylenebisimide dyad: non-destructive fluorescence readout. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4984-90	16.4	250
151	Ultrafast solvation dynamics in room temperature ionic liquids observed by three-pulse photon echo peak shift measurements. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 3886-94	2.8	37
150	Enhancement of vibrational coherence by femtosecond degenerate four-wave-mixing for a chromophore in 1-propanol glass. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 1436-40	4.2	2
149	One-color reversible control of photochromic reactions in a diarylethene derivative: three-photon cyclization and two-photon cycloreversion by a near-infrared femtosecond laser pulse at 1.28 $\mu\text{m}$ . <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2621-5	16.4	84
148	Norharmane: old yet highly selective dual channel ratiometric fluoride and hydrogen sulfate ion sensor. <i>Analyst</i> , <b>2011</b> , 136, 275-7	5	37
147	Cyclization Reaction Dynamics of a Photochromic Diarylethene Derivative as Revealed by Femtosecond to Microsecond Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4265-4272	3.8	69
146	In situ preparation of highly fluorescent dyes upon photoirradiation. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 13558-64	16.4	183
145	Evaluation of radiation force acting on macromolecules by combination of Brownian dynamics simulation with fluorescence correlation spectroscopy. <i>Physical Review E</i> , <b>2010</b> , 81, 061402	2.4	12
144	Carboxylate Ligand-Induced Intramolecular C $\equiv$ N Bond Activation of Iridium Complexes with N-Phenylperimidinone-Based Carbene Ligands. <i>Organometallics</i> , <b>2010</b> , 29, 4120-4129	3.8	38
143	Fluorescence photoswitching of a diarylethene-perylenebisimide dyad based on intramolecular electron transfer. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 181-7	4.2	45
142	Ultrafast delocalization of cationic states in poly(N-vinylcarbazole) solid leading to carrier photogeneration. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4560-3	3.6	9
141	Coherent dynamics and ultrafast excited state relaxation of blue copper protein; plastocyanin. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 6067-75	3.6	20
140	Multiphoton-gated cycloreversion reactions of photochromic diarylethene derivatives with low reaction yields upon one-photon visible excitation. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 172-80	4.2	46
139	Photochromic Nucleobase Photoisomerized by Visible Light. <i>Chemistry Letters</i> , <b>2010</b> , 39, 956-957	1.7	7
138	Multiphoton-Gated Reaction in Organic Photochromic Molecules under Pulsed Laser Excitation. <i>The Review of Laser Engineering</i> , <b>2010</b> , 38, 90-95	0	
137	Photoinduced electron transfer in tris(2,2'-bipyridine)ruthenium(II)-viologen dyads with peptide backbones leading to long-lived charge separation and hydrogen evolution. <i>Dalton Transactions</i> , <b>2010</b> , 39, 4421-34	4.3	38
136	Optical force enhanced by plasmon resonance allowing position-sensitive synthesis and immobilization of single Ag nanoparticles on glass surfaces. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 144105	3.4	10

135	Effect of ultrafast electron transfer on photon echo signal: Decoherence process in electron-donating solvents. <i>Chemical Physics Letters</i> , <b>2009</b> , 482, 263-268	2.5	6
134	Microscopic Structure and Mobility of Guest Molecules in Mesoporous Hybrid Organosilica: Evaluation with Single-Molecule Tracking $\square$ <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 11884-11891	3.8	28
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