Hiroshi Miyasaka

List of Publications by Year
in descending order

273	8,304	38660 50	66788 78
papers	citations	h-index	g-index

295	295	295	6531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast Dynamics of Photochromic Systems. Chemical Reviews, 2000, 100, 1875-1890.	23.0	793
2	Single-Molecule Fluorescence Photoswitching of a Diaryletheneâ"Perylenebisimide Dyad: Non-destructive Fluorescence Readout. Journal of the American Chemical Society, 2011, 133, 4984-4990.	6.6	276
3	In Situ Preparation of Highly Fluorescent Dyes upon Photoirradiation. Journal of the American Chemical Society, 2011, 133, 13558-13564.	6.6	213
4	Hexa-peri-hexabenzo[7]helicene: Homogeneously Ï€-Extended Helicene as a Primary Substructure of Helically Twisted Chiral Graphenes. Journal of the American Chemical Society, 2018, 140, 4317-4326.	6.6	151
5	Efficient Photocyclization of Dithienylethene Dimer, Trimer, and Tetramer:Â Quantum Yield and Reaction Dynamics. Journal of the American Chemical Society, 2002, 124, 2015-2024.	6.6	136
6	Picosecond laser photolysis studies on a photochromic dithienylethene in solution and in crystalline phases. Chemical Physics Letters, 1997, 269, 281-285.	1.2	122
7	An ab Initio MO Study of the Photochromic Reaction of Dithienylethenes. Journal of Physical Chemistry A, 2002, 106, 7222-7227.	1.1	117
8	Application of Fluorescence Correlation Spectroscopy to the Measurement of Local Temperature in Solutions under Optical Trapping Condition. Journal of Physical Chemistry B, 2007, 111, 2365-2371.	1.2	106
9	Dynamics and Mechanisms of the Multiphoton Gated Photochromic Reaction of Diarylethene Derivatives. Journal of the American Chemical Society, 2004, 126, 14764-14772.	6.6	104
10	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 Î¼m. Journal of the American Chemical Society, 2011, 133, 2621-2625.	6.6	100
11	Picosecond laser photolysis studies on photochromic reactions of 1,2-bis(2,4,5-trimethyl-3-thienyl)maleic anhydride in solutions. Chemical Physics Letters, 1994, 230, 249-254.	1.2	95
12	Multiphoton Gated Photochromic Reaction in a Diarylethene Derivative. Journal of the American Chemical Society, 2001, 123, 753-754.	6.6	95
13	Permanent Fixing or Reversible Trapping and Release of DNA Micropatterns on a Gold Nanostructure Using Continuous-Wave or Femtosecond-Pulsed Near-Infrared Laser Light. Journal of the American Chemical Society, 2013, 135, 6643-6648.	6.6	93
14	Picosecond Absorption Spectra and Relaxation Processes of the Excited Singlet State of Pyrene in Solution. Laser Chemistry, 1983, 1, 357-386.	0.5	92
15	Modified Windmill Porphyrin Arrays: Coupled Light-Harvesting and Charge Separation, Conformational Relaxation in the S1 State, and S2-S2 Energy Transfer. Chemistry - A European Journal, 2001, 7, 3134-3151.	1.7	91
16	Femtosecond-Picosecond Laser Photolysis Studies on Photoreduction Process of Excited Benzophenone withN,N-Dimethylaniline in Acetonitrile Solution. Bulletin of the Chemical Society of Japan, 1990, 63, 3385-3397.	2.0	83
17	Tuned CAM-B3LYP functional in the time-dependent density functional theory scheme for excitation energies and properties of diarylethene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 235, 29-34.	2.0	82
18	Excitation-Energy Migration in Self-Assembled Cyclic Zinc(II)-Porphyrin Arrays: A Close Mimicry of a Natural Light-Harvesting System. Chemistry - A European Journal, 2005, 11, 3753-3761.	1.7	81

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19	Ultrafast Photodissociation Dynamics of a Hexaarylbiimidazole Derivative with Pyrenyl Groups: Dispersive Reaction from Femtosecond to 10 ns Time Regions. Journal of the American Chemical Society, 2009, 131, 7256-7263.	6.6	81
20	Ultrafast Photoinduced Electron Transfer in Directly Linked Porphyrinâ˜'Ferrocene Dyads. Journal of Physical Chemistry A, 2007, 111, 5136-5143.	1.1	80
21	Cyclization Reaction Dynamics of a Photochromic Diarylethene Derivative as Revealed by Femtosecond to Microsecond Time-Resolved Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 4265-4272.	1.5	78
22	Fluorescence Photoswitching of a Diarylethene by Irradiation with Single-Wavelength Visible Light. Journal of the American Chemical Society, 2017, 139, 16498-16501.	6.6	77
23	Picosecond dynamics of photoinduced electron transfer processes in poly(N-vinylcarbazole) solid film doped with electron acceptors as revealed by transient absorption spectroscopy and dichroism measurements. Chemical Physics Letters, 1994, 225, 315-321.	1.2	76
24	Electron Transfer and Exciplex Chemistry. Advances in Chemical Physics, 2007, , 431-496.	0.3	74
25	Photochemistry of facâ€[Re(bpy)(CO)₃Cl]. Chemistry - A European Journal, 2012, 18, 15722-15734.	1.7	74
26	Stationary bubble formation and Marangoni convection induced by CW laser heating of a single gold nanoparticle. Nanoscale, 2017, 9, 719-730.	2.8	71
27	Flapping viscosity probe that shows polarity-independent ratiometric fluorescence. Journal of Materials Chemistry C, 2017, 5, 5248-5256.	2.7	70
28	Picosecond laser photolysis studies of deactivation processes of excited hydrogen bonding complexes. 3. Detection of the nonfluorescent charge-transfer state in the excited 1-aminopyrene-pyridine hydrogen bonded pair and related systems. Journal of the American Chemical Society, 1983, 105, 5206-5211.	6.6	67
29	Femtosecond-picosecond laser photolysis studies on the mechanisms of electron transfer induced by hydrogen-bonding interactions in nonpolar solutions: 1-aminopyrene-pyridine systems. Journal of the American Chemical Society, 1993, 115, 7335-7342.	6.6	64
30	Femtosecond Laser Photolysis Studies on Temperature Dependence of Cyclization and Cycloreversion Reactions of a Photochromic Diarylethene Derivative. Journal of Physical Chemistry C, 2012, 116, 4862-4869.	1.5	64
31	Femtosecond-picosecond laser photolysis studies on the dynamics of excited charge-transfer complexes in solution. 1. Charge separation processes in the course of the relaxation from the excited Franck-Condon state of 1,2,4,5-tetracyanobenzene in benzene and methyl-substituted benzene solutions. The Journal of Physical Chemistry, 1990, 94, 4147-4152.	2.9	63
32	Ultrafast Excited State Deactivation of Triphenylmethane Dyesâ€. Journal of Physical Chemistry A, 2002, 106, 2024-2035.	1.1	63
33	Mechanisms of the strongly exothermic charge separation reaction in the excited singlet state. Picosecond laser photolysis studies on aromatic hydrocarbon-tetracyanoethylene and aromatic hydrocarbon-pyromellitic dianhydride systems in polar solutions. Chemical Physics, 1988, 127, 239-248.	0.9	62
34	Femtosecond-picosecond laser photolysis studies of the ion pair formation process in the excited state of the charge-transfer complex in solution. The Journal of Physical Chemistry, 1989, 93, 3380-3382.	2.9	61
35	Femtosecond-picosecond laser photolysis studies on the dynamics of excited charge-transfer complexes in solution. 3. Dissociation into free ions and charge recombination decay from the ion-pair state formed by charge separation in the excited state of 1,2,4,5-tetracyanobenzene-aromatic hydrocarbon complexes in polar solvents. The Journal of Physical Chemistry, 1990, 94, 7534-7539.	2.9	61
36	Solvent Viscosity Effects on Photochromic Reactions of a Diarylethene Derivative As Revealed by Picosecond Laser Spectroscopy. Journal of Physical Chemistry A, 2002, 106, 8096-8102.	1.1	60

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37	Picosecond-to-Nanosecond Dynamics of Plasmonic Nanobubbles from Pumpâ€“Probe Spectral Measurements of Aqueous Colloidal Gold Nanoparticles. Langmuir, 2014, 30, 9504-9513.	1.6	60
38	Role of the Special Pair in the Charge-Separating Event in Photosynthesis. Chemistry - A European Journal, 2004, 10, 6393-6401.	1.7	59
39	Picosecond Laser Photolysis Studies on the Photoreduction of Excited Benzophenone by Diphenylamine in Solutions. Bulletin of the Chemical Society of Japan, 1990, 63, 131-137.	2.0	58
40	Picosecond-nanosecond laser photolysis studies on the photochemical reaction of excited benzophenone with 1,4-diazabicyclo[2.2.2]octane in acetonitrile solution: proton abstraction of the free benzophenone anion radical from the ground state amine. Chemical Physics Letters, 1991, 178, 504-510.	1.2	58
41	Femtosecond-picosecond laser photolysis studies on the mechanisms of fluorescence quenching induced by hydrogen-bonding interactions - 1-pyrenol-pyridine systems. The Journal of Physical Chemistry, 1993, 97, 8222-8228.	2.9	57
42	Extension of Light-Harvesting Ability of Photosynthetic Light-Harvesting Complex 2 (LH2) through Ultrafast Energy Transfer from Covalently Attached Artificial Chromophores. Journal of the American Chemical Society, 2015, 137, 13121-13129.	6.6	57
43	One-colour control of activation, excitation and deactivation of a fluorescent diarylethene derivative in super-resolution microscopy. Chemical Communications, 2017, 53, 4066-4069.	2.2	56
44	Picosecond and femtosecond laser photolysis studies of a photochromic diarylethene derivative: multiphoton gated reaction. Chemical Physics Letters, 2003, 371, 40-48.	1.2	54
45	Photoinduced Electron Transfer and Excitation Energy Transfer in Directly Linked Zinc Porphyrin/Zinc Phthalocyanine Composite. Journal of Physical Chemistry A, 2006, 110, 12734-12742.	1.1	54
46	Metallic-Nanostructure-Enhanced Optical Trapping of Flexible Polymer Chains in Aqueous Solution As Revealed by Confocal Fluorescence Microspectroscopy. Journal of Physical Chemistry C, 2012, 116, 14610-14618.	1.5	54
47	Constraint-induced structural deformation of planarized triphenylboranes in the excited state. Chemical Science, 2014, 5, 1296-1304.	3.7	54
48	Picosecond laser photolysis studies on the photochromism of a furylfulgide. Chemical Physics Letters, 1990, 171, 553-557.	1.2	53
49	Solid-State, Near-Infrared to Visible Photon Upconversion via Tripletâ€“Triplet Annihilation of a Binary System Fabricated by Solution Casting. ACS Applied Materials & Interfaces, 2019, 11, 20812-20819.	4.0	53
50	Femtosecond laser photolysis studies on the cooling process of chrysene in the vibrationally hot S1 state in solution. Chemical Physics Letters, 1992, 188, 259-264.	1.2	52
51	Nondestructive micropatterning of living animal cells using focused femtosecond laser-induced impulsive force. Applied Physics Letters, 2007, 91, .	1.5	51
52	Laser Multiphoton-Gated Photochromic Reaction of a Fulgide Derivative. Journal of Physical Chemistry C, 2007, 111, 2730-2737.	1.5	51
53	Multiphoton-gated cycloreversion reactions of photochromic diarylethene derivatives with low reaction yields upon one-photon visible excitation. Photochemical and Photobiological Sciences, 2010, 9, 172-180.	1.6	50
54	Title is missing!. Journal of the Spectroscopical Society of Japan, 1982, 31, 19-30.	0.0	50

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55	Femtosecond-picosecond laser photolysis studies on the dynamics of excited charge-transfer complexes in solution. 2. Ion pair formation processes in the excited states of 1,2,4,5-tetracyanobenzene-aromatic hydrocarbon complexes in polar solvents. The Journal of Physical Chemistry, 1990, 94, 5834-5839.	2.9	49
56	Systematic Synthesis, Isolation, and Photophysical Properties of Linear-Shaped Re(I) Oligomers and Polymers with 2â^'20 Units. Journal of the American Chemical Society, 2008, 130, 14659-14674.	6.6	48
57	Intramolecular Energy Transfer in S1- and S2-States of Porphyrin Trimers. Journal of Physical Chemistry A, 2001, 105, 4822-4833.	1.1	47
58	Fluorescence photoswitching of a diaryletheneâ€“perylenebisimide dyad based on intramolecular electron transfer. Photochemical and Photobiological Sciences, 2010, 9, 181.	1.6	47
59	Photoswitchable fluorescent diarylethene derivatives with short alkyl chain substituents. Photochemical and Photobiological Sciences, 2012, 11, 1661-1665.	1.6	47
60	Selective Optical Assembly of Highly Uniform Nanoparticles by Doughnut-Shaped Beams. Scientific Reports, 2013, 3, 3047.	1.6	47
61	Photoinduced Electron Transfer Processes of C60-Doped Poly(N-vinylcarbazole) Films As Revealed by Picosecond Laser Photolysis. Journal of Physical Chemistry B, 1997, 101, 5118-5123.	1.2	46
62	Femtosecondâ€“Picosecond Laser Photolysis Studies on Reduction Process of Excited Benzophenone with Tertiary Aromatic Amines in Acetonitrile Solution. Bulletin of the Chemical Society of Japan, 1991, 64, 3229-3244.	2.0	45
63	Synthesis of Directly Linked Zinc(II) Porphyrinâ€“Imide Dyads and Energy Gap Dependence of Intramolecular Electron Transfer Reactions. Chemistry - A European Journal, 2003, 9, 2854-2866.	1.7	45
64	The effect of hydrogen-bonding on the ultrafast electronic deactivation dynamics of indigo carmine. Physical Chemistry Chemical Physics, 2004, 6, 5370.	1.3	45
65	Dynamics of Cyclization, Cycloreversion, and Multiphoton-Gated Reaction of a Photochromic Diarylethene Derivative in Crystalline Phase. Journal of Physical Chemistry C, 2008, 112, 11150-11157.	1.5	45
66	Fluorescent Photochromic Diarylethene That Turns on with Visible Light. Organic Letters, 2015, 17, 4802-4805.	2.4	45
67	Ultrafast Charge Transfer Process of 9,9â€²-Bianthryl in Imidazolium Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 15758-15765.	1.2	44
68	Picosecond ultraviolet multiphoton laser photolysis and transient absorption spectroscopy of liquid benzenes. The Journal of Physical Chemistry, 1985, 89, 1631-1636.	2.9	43
69	Femtosecond-picosecond laser photolysis studies on reduction process of excited benzophenone with N-methyldiphenylamine in acetonitrile solution. The Journal of Physical Chemistry, 1992, 96, 8060-8065.	2.9	43
70	Stepwise Two-Photon-Induced Fast Photoswitching via Electron Transfer in Higher Excited States of Photochromic Imidazole Dimer. Journal of the American Chemical Society, 2016, 138, 5930-5938.	6.6	43
71	Direct Detection of Hole Migration along the Polymer Chain:â€‰ Poly(N-vinylcarbazole) in 1,2-Dichloroethane Solution As Revealed by Picosecond Transient Absorption and Dichroism Measurements. The Journal of Physical Chemistry, 1996, 100, 12609-12615.	2.9	42
72	One- and multi-photon cycloreversion reaction dynamics of diarylethene derivative with asymmetrical structure, as revealed by ultrafast laser spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 2640.	1.3	42

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73	Norharmane: Old yet highly selective dual channel ratiometric fluoride and hydrogen sulfate ion sensor. Analyst, The, 2011, 136, 275-277.	1.7	42
74	Charge transfer in dibenzocarbazole-pyridine hydrogen-bonded complexes: the role of the geometry of the complex. The Journal of Physical Chemistry, 1985, 89, 182-185.	2.9	41
75	Solvent Polarity Dependence of Photochromic Reactions of a Diarylethene Derivative As Revealed by Steady-State and Transient Spectroscopies. Journal of Physical Chemistry C, 2016, 120, 1170-1177.	1.5	41
76	Real-Time Blinking Suppression of Perovskite Quantum Dots by Halide Vacancy Filling. ACS Nano, 2021, 15, 2831-2838.	7.3	41
77	Photoinduced electron transfer in tris(2,2â€²-bipyridine)ruthenium(ii)-viologen dyads with peptide backbones leading to long-lived charge separation and hydrogen evolution. Dalton Transactions, 2010, 39, 4421.	1.6	40
78	Ultrafast laser photolysis study on photodissociation dynamics of a hexaarylbiimidazole derivative. Chemical Physics Letters, 2007, 448, 228-231.	1.2	39
79	Light Harvesting and Energy Transfer in Multiporphyrinâ€Modified CdSe Nanoparticles. ChemSusChem, 2008, 1, 254-261.	3.6	39
80	Carboxylate Ligand-Induced Intramolecular Câ^'H Bond Activation of Iridium Complexes withN-Phenylperimidine-Based Carbene Ligands. Organometallics, 2010, 29, 4120-4129.	1.1	39
81	Ultrafast solvation dynamics and charge transfer reactions in room temperature ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 13008-13026.	1.3	39
82	Ultrafast Solvation Dynamics in Room Temperature Ionic Liquids Observed by Three-Pulse Photon Echo Peak Shift Measurements. Journal of Physical Chemistry A, 2011, 115, 3886-3894.	1.1	38
83	Mechanistic studies of photoinduced intramolecular and intermolecular electron transfer processes in RuPt-centred photo-hydrogen-evolving molecular devices. Physical Chemistry Chemical Physics, 2014, 16, 1607-1616.	1.3	38
84	Confinement of Photopolymerization and Solidification with Radiation Pressure. Journal of the American Chemical Society, 2011, 133, 14472-14475.	6.6	37
85	Dynamic Stokes Shift of 9,9â€²-Bianthryl in Ionic Liquids: A Temperature Dependence Study. Journal of Physical Chemistry C, 2009, 113, 11868-11876.	1.5	33
86	Ultrafast laser spectroscopic study on photochromic cycloreversion dynamics in fulgide derivatives: one-photon and multiphoton-gated reactions. New Journal of Chemistry, 2009, 33, 1409.	1.4	32
87	Picosecond laser photolysis study of cycloreversion reaction of a diarylethene derivative in polycrystals: Multiphoton-gated reaction. Chemical Physics Letters, 2007, 437, 243-247.	1.2	31
88	Picosecond two-photon photolysis of neat liquids. Chemical Physics Letters, 1981, 82, 59-62.	1.2	30
89	Cycloreversion Reaction of a Diarylethene Derivative at Higher Excited States Attained by Two-Color, Two-Photon Femtosecond Pulsed Excitation. Journal of the American Chemical Society, 2017, 139, 17159-17167.	6.6	30
90	Temporal characteristics of picosecond continuum as revealed by a two-dimensional analysis of streak images. Optics Communications, 1983, 44, 426-429.	1.0	29

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91	Solvent relaxation effect on transient hole-burning spectra of organic dyes. Chemical Physics Letters, 1990, 166, 123-127.	1.2	29
92	Microscopic Structure and Mobility of Guest Molecules in Mesoporous Hybrid Organosilica: Evaluation with Single-Molecule Tracking. Journal of Physical Chemistry C, 2009, 113, 11884-11891.	1.5	29
93	A turn-on mode fluorescent diarylethene: Solvatochromism of fluorescence. Dyes and Pigments, 2018, 153, 144-149.	2.0	29
94	Temperature Effects on the Energy Gap Dependence of Charge Recombination Rates of Ion Pairs Produced by Excitation of Charge-Transfer Complexes Adsorbed on Porous Glass. Journal of Physical Chemistry B, 1997, 101, 7978-7984.	1.2	28
95	Coherent dynamics and ultrafast excited state relaxation of blue copper protein; plastocyanin. Physical Chemistry Chemical Physics, 2010, 12, 6067.	1.3	28
96	Turn-on mode fluorescent diarylethenes: Control of the cycloreversion quantum yield. Tetrahedron, 2017, 73, 4918-4924.	1.0	28
97	Picosecond laser photolysis studies on a photochromic oxidation polymer film consisting of diarylethene molecules. Journal of Materials Chemistry, 2005, 15, 2128.	6.7	27
98	Nanosecond to Submillisecond Dynamics in Dye-Labeled Single-Stranded DNA, As Revealed by Ensemble Measurements and Photon Statistics at Single-Molecule Level. Journal of Physical Chemistry B, 2009, 113, 13917-13925.	1.2	27
99	Object Transportation System Mimicking the Cilia of Paramecium aurelia Making Use of the Lightâ€Controllable Crystal Bending Behavior of a Photochromic Diarylethene. Angewandte Chemie - International Edition, 2019, 58, 13308-13312.	7.2	27
100	Energy Gap Dependence of Charge Recombination Rates of Ion Pairs Produced by Excitation of Charge-Transfer Complexes Adsorbed on the Porous Glass. The Journal of Physical Chemistry, 1995, 99, 5757-5760.	2.9	25
101	The microscopic viscosity of waterâ€“alcohol binary solvents studied by ultrafast spectroscopy utilizing diffusive phenyl ring rotation of malachite green as a probe. Journal of Molecular Structure, 2005, 735-736, 217-223.	1.8	25
102	Organic solvent-free water-developable sugar resist material derived from biomass in green lithography. Microelectronic Engineering, 2014, 122, 70-76.	1.1	25
103	Efficient Cycloreversion Reaction of a Diarylethene Derivative in Higher Excited States Attained by Off-Resonant Simultaneous Two-Photon Absorption. Journal of Physical Chemistry Letters, 2017, 8, 3272-3276.	2.1	25
104	Doubly linked chiral phenanthrene oligomers for homogeneously Ï€-extended helicenes with large effective conjugation length. Nature Communications, 2022, 13, 1475.	5.8	24
105	Photoisomerization of an azobenzene gel by pulsed laser irradiation. Chemical Communications, 2009, , 4420.	2.2	23
106	Direct Observation of the Ultrafast Evolution of Open-Shell Biradical in Photochromic Radical Dimer. Journal of the American Chemical Society, 2017, 139, 6382-6389.	6.6	23
107	Opto-thermophoretic separation and trapping of plasmonic nanoparticles. Nanoscale, 2019, 11, 21093-21102.	2.8	23
108	Picosecond Laser Photolysis Studies on Chain-Length, Solvent and Temperature Dependences of the Intramolecular Photoreduction Process of Benzophenone by Diphenylamine. Bulletin of the Chemical Society of Japan, 1995, 68, 1569-1582.	2.0	22

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109	Solvent Effect of the Hole Migration along a Poly(N-vinylcarbazole) Chain as Revealed by Picosecond Transient Absorption and Dichroism Measurementsâ€. Journal of Physical Chemistry A, 2002, 106, 2192-2199.	1.1	22
110	Selective meso-monobromination of 5,15-diarylporphyrins via organopalladium porphyrins. Journal of Porphyrins and Phthalocyanines, 2004, 08, 1222-1227.	0.4	22
111	Photoinduced electron transfer dynamics in aromatic vinyl polymers and related systems: time-resolved detection of primary events. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2003, 4, 195-214.	5.6	21
112	Turn-on mode fluorescence photoswitching of diarylethene single crystals. CrystEngComm, 2016, 18, 7241-7248.	1.3	21
113	Fluorescence On/Off Switching in Polymers Bearing Diarylethene and Fluorene in Their Side Chains. Journal of Physical Chemistry C, 2017, 121, 6272-6281.	1.5	21
114	Multivariate curve resolution â€" alternating least squares to cope with deviations from data bilinearity in ultrafast time-resolved spectroscopy. Chemometrics and Intelligent Laboratory Systems, 2013, 128, 101-110.	1.8	20
115	Non-condon Effect on Ultrafast Excited-State Intramolecular Proton Transfer. Journal of Physical Chemistry A, 2020, 124, 265-271.	1.1	20
116	FemtosecondâPicosecond Laser Photolysis Studies on Proton Transfer Process of Excited 1âPyrenolâTriethylamine Hydrogen Bonding Complex in Solutions. Israel Journal of Chemistry, 1993, 33, 183-192.	1.0	19
117	Femto- to Microsecond Excited State Relaxation of 9-(4-(N,N-Dimethylamino)phenyl)phenanthrene and 4-(9-Phenanthryl)-3,5-N,N-tetramethylaniline. Journal of Physical Chemistry A, 1997, 101, 5054-5062.	1.1	19
118	Temperature near Gold Nanoparticles under Photoexcitation: Evaluation Using a Fluorescence Correlation Technique. Journal of Physical Chemistry C, 2013, 117, 8388-8396.	1.5	19
119	Mesoscopic Motion of Optically Trapped Particle Synchronized with Photochromic Reactions of Diarylethene Derivatives. Journal of Physical Chemistry Letters, 2018, 9, 2659-2664.	2.1	19
120	Picosecond 266 nm photolysis of neat liquids: Solvated electron formation in water and alcohols. Chemical Physics Letters, 1983, 98, 277-281.	1.2	18
121	Picosecond 266 nm multiphoton laser photolysis and spectroscopy of liquid saturated hydrocarbons. Chemical Physics Letters, 1986, 126, 219-224.	1.2	18
122	Picosecond 266-nm Multiphoton Laser Photolysis Studies on the Solvated Electron Formation Process in Water and Liquid Alcohols. Laser Chemistry, 1987, 7, 119-128.	0.5	18
123	Laser Ablation of Silk Protein (Fibroin) Films. Japanese Journal of Applied Physics, 2002, 41, 4772-4779.	0.8	18
124	Optical properties and solvatofluorochromism of fluorene derivatives bearing S,S-dioxidized thiophene. Photochemical and Photobiological Sciences, 2016, 15, 1254-1263.	1.6	18
125	Vibrational Dephasing along the Reaction Coordinate of an Electron Transfer Reaction. Journal of the American Chemical Society, 2021, 143, 14511-14522.	6.6	18
126	Development of Near-Infrared 35 fs Laser Microscope and Its Application to the Detection of Three- and Four-Photon Fluorescence of Organic Microcrystals. Journal of Physical Chemistry B, 2006, 110, 1091-1094.	1.2	17

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127	Multiphotonâ€gated photochromic reaction of diarylethene derivatives in PMMA solid film. Journal of Physical Organic Chemistry, 2007, 20, 953-959.	0.9	17
128	Inhomogeneous Deactivation with UV Excitation in Submicron Grains of Lead Iodide Perovskite-based Solar Cell as Revealed by Femtosecond Transient Absorption Microscopy. Chemistry Letters, 2014, 43, 1656-1658.	0.7	17
129	Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure: picosecond pumpâ€“probe study. Physical Chemistry Chemical Physics, 2016, 18, 4994-5004.	1.3	17
130	Plasmonic Control and Stabilization of Asymmetric Light Scattering from Ag Nanocubes on TiO₂. ACS Applied Materials & Interfaces, 2017, 9, 11064-11072.	4.0	17
131	Picosecondâ^'Microsecond Dynamics of Photoinduced Electron-Transfer Processes in Amorphous Solid Films of Dimeric Carbazolyl Compounds Doped with 1,2,4,5-Tetracyanobenzene. Journal of Physical Chemistry B, 1997, 101, 524-530.	1.2	16
132	Picosecond Dynamics of Excited 9,9â€˜-Bianthryl Adsorbed on Porous Glass:Â Role of Symmetry Breaking in the Ground Stateâ€. Journal of Physical Chemistry A, 2002, 106, 2067-2073.	1.1	16
133	A dominant factor of the cycloreversion reactivity of diarylethene derivatives as revealed by femtosecond time-resolved absorption spectroscopy. Journal of Chemical Physics, 2020, 152, 034301.	1.2	16
134	Picosecond laser photolysis studies on the electron transfer and charge shift processes in flavin mononucleotide-cytochrome c-EDTA molecular organization. Chemical Physics Letters, 1991, 182, 379-383.	1.2	15
135	Enhancement and Suppression of Vibrational Coherence in Degenerate Four-Wave-Mixing Signal Generated from Dye-Doped Polymer Films. Journal of Physical Chemistry B, 2005, 109, 11946-11952.	1.2	15
136	Evaluation of radiation force acting on macromolecules by combination of Brownian dynamics simulation with fluorescence correlation spectroscopy. Physical Review E, 2010, 81, 061402.	0.8	15
137	Multiphoton-gated cycloreversion reaction of a photochromic 1,2-bis(thiazolyl) perfluorocyclopentene diarylethene derivative. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 57-65.	2.0	15
138	Dynamics of Excitation Energy Transfer Between the Subunits of Photosystem II Dimer. Journal of the American Chemical Society, 2016, 138, 11599-11605.	6.6	15
139	Picosecond 266 nm multiphoton laser photolysis of liquid alkyl chlorides: Production of ionic species. Chemical Physics Letters, 1985, 118, 459-463.	1.2	14
140	Formation of extremely long-lived charge-separated state following photoinduced electron transfer in poly(N-vinylcarbazole) coadsorbed with 1,2,4,5-tetracyanobenzene on a macroreticular resin. The Journal of Physical Chemistry, 1995, 99, 13062-13064.	2.9	14
141	Mechanisms of Formation and Deactivation of Extremely Long-Lived Charge-Separated State following Photoinduced Electron Transfer in Carbazolyl Polymers Coadsorbed with 1,2,4,5-Tetracyanobenzene on Macroreticular Resins. The Journal of Physical Chemistry, 1996, 100, 19898-19903.	2.9	14
142	AIE phenomena of a cyanostilbene derivative as a probe of molecular assembly processes. Faraday Discussions, 2017, 196, 231-243.	1.6	14
143	Cyclization reaction dynamics of an inverse type diarylethene derivative as revealed by time-resolved absorption and fluorescence spectroscopies. Physical Chemistry Chemical Physics, 2019, 21, 8623-8632.	1.3	14
144	Ultrafast Photodynamics and Quantitative Evaluation of Biohybrid Photosynthetic Antenna and Reaction Center Complexes Generating Photocurrent. Journal of Physical Chemistry C, 2020, 124, 8605-8615.	1.5	14

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