Stephen R Meech

List of Publications by Year
in descending order

183	6,924	61945	74108
papers	citations	43 h-index	75 g-index

189	189	189	5137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photophysics of some common fluorescence standards. Journal of Photochemistry and Photobiology, 1983, 23, 193-217.	0.6	717
2	Excited state reactions in fluorescent proteins. Chemical Society Reviews, 2009, 38, 2922.	18.7	285
3	Optically-heterodyne-detected optical Kerr effect (OHD-OKE): Applications in condensed phase dynamics. International Reviews in Physical Chemistry, 2002, 21, 75-100.	0.9	195
4	Observation of Excited-State Proton Transfer in Green Fluorescent Protein using Ultrafast Vibrational Spectroscopy. Journal of the American Chemical Society, 2005, 127, 2864-2865.	6.6	189
5	Standards for nanosecond fluorescence decay time measurements. Analytical Chemistry, 1983, 55, 68-73.	3.2	181
6	Excited-State Dynamics in the Green Fluorescent Protein Chromophore. Journal of Physical Chemistry B, 2004, 108, 1102-1108.	1.2	169
7	Ultrafast dynamics in the power stroke of a molecular rotary motor. Nature Chemistry, 2012, 4, 547-551.	6.6	168
8	Low-Frequency Modes of Aqueous Alkali Halide Solutions: Glimpsing the Hydrogen Bonding Vibration. Science, 2010, 327, 857-860.	6.0	135
9	Ultrafast dynamics in complex fluids observed through the ultrafast optically-heterodyne-detected optical-Kerr-effect (OHD-OKE). Physical Chemistry Chemical Physics, 2007, 9, 2167.	1.3	131
10	Internal Conversion in the Chromophore of the Green Fluorescent Protein:â€‰ Temperature Dependence and Isoviscosity Analysis. Journal of Physical Chemistry A, 2003, 107, 2616-2623.	1.1	127
11	Radiationless Relaxation in a Synthetic Analogue of the Green Fluorescent Protein Chromophore. Journal of Physical Chemistry B, 2001, 105, 8036-8039.	1.2	125
12	Evidence for a very early intermediate in bacterial photosynthesis. A photon-echo and hole-burning study of the primary donor band in Rhodopseudomonas sphaeroides. Chemical Physics Letters, 1985, 121, 287-292.	1.2	122
13	On the nature of the fluorescent state of methylated indole derivatives. Chemical Physics, 1983, 80, 317-328.	0.9	120
14	Ultrafast Structural Dynamics in BLUF Domains:â€‰ Transient Infrared Spectroscopy of AppA and Its Mutants. Journal of the American Chemical Society, 2007, 129, 15556-15564.	6.6	113
15	An Alternate Proton Acceptor for Excited-State Proton Transfer in Green Fluorescent Protein:â€‰ Rewiring GFP. Journal of the American Chemical Society, 2008, 130, 1227-1235.	6.6	108
16	Chemically Optimizing Operational Efficiency of Molecular Rotary Motors. Journal of the American Chemical Society, 2014, 136, 9692-9700.	6.6	96
17	Ultrafast Dynamics of Polar Monosubstituted Benzene Liquids Studied by the Femtosecond Optical Kerr Effect. Journal of Physical Chemistry A, 2000, 104, 4223-4235.	1.1	79
18	Time-resolved emission spectroscopy of the dansyl fluorescence probe. Biochemistry, 1981, 20, 5381-5389.	1.2	77

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19	Ultrafast Dynamics in Light-Driven Molecular Rotary Motors Probed by Femtosecond Stimulated Raman Spectroscopy. Journal of the American Chemical Society, 2017, 139, 7408-7414.	6.6	75
20	Proton Relay Reaction in Green Fluorescent Protein (GFP):Â Polarization-Resolved Ultrafast Vibrational Spectroscopy of Isotopically Edited GFP. Journal of Physical Chemistry B, 2006, 110, 22009-22018.	1.2	73
21	Ultrafast Dynamics of Liquid Anilines Studied by the Optical Kerr Effect. Journal of Physical Chemistry A, 1997, 101, 9578-9586.	1.1	71
22	Reactive Dynamics in Confined Liquids: Ultrafast Torsional Dynamics of Auramine O in Nanoconfined Water in Aerosol OT Reverse Micelles. Journal of Physical Chemistry B, 2009, 113, 1623-1631.	1.2	69
23	THz Spectra and Dynamics of Aqueous Solutions Studied by the Ultrafast Optical Kerr Effect. Journal of Physical Chemistry B, 2011, 115, 2563-2573.	1.2	66
24	Photophysics of 1-aminonaphthalenes. Journal of the Chemical Society, Faraday Transactions 2, 1983, 79, 1563.	1.1	65
25	Proteins in Action: Femtosecond to Millisecond Structural Dynamics of a Photoactive Flavoprotein. Journal of the American Chemical Society, 2013, 135, 16168-16174.	6.6	65
26	Ultrafast Dynamics and Hydrogen-Bond Structure in Aqueous Solutions of Model Peptides. Journal of Physical Chemistry B, 2010, 114, 10684-10691.	1.2	64
27	Low-Frequency Modes of Aqueous Alkali Halide Solutions: An Ultrafast Optical Kerr Effect Study. Journal of Physical Chemistry B, 2011, 115, 1863-1873.	1.2	63
28	The refractive index correction to the radiative rate constant in fluorescence lifetime measurements. Chemical Physics Letters, 1983, 94, 137-140.	1.2	61
29	Ultrafast Vibrational Spectroscopy of the Flavin Chromophore. Journal of Physical Chemistry B, 2006, 110, 20107-20110.	1.2	61
30	Excited state dynamics in the green fluorescent protein. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 205, 1-11.	2.0	59
31	Ultrafast fluorescence of the chromophore of the green fluorescent protein in alcohol solutions. Chemical Physics Letters, 2002, 358, 495-501.	1.2	56
32	Chemically Modulating the Photophysics of the GFP Chromophore. Journal of Physical Chemistry B, 2011, 115, 1571-1577.	1.2	55
33	Multiphoton-excited luminescence of a lanthanide ion in a protein complex: Tb3+ bound to transferrin. Photochemical and Photobiological Sciences, 2004, 3, 47.	1.6	54
34	Photoexcitation of the Blue Light Using FAD Photoreceptor AppA Results in Ultrafast Changes to the Protein Matrix. Journal of the American Chemical Society, 2011, 133, 16893-16900.	6.6	51
35	Two-dimensional electronic spectroscopy based on conventional optics and fast dual chopper data acquisition. Review of Scientific Instruments, 2014, 85, 063103.	0.6	51
36	An ultrafast polarisation spectroscopy study of internal conversion and orientational relaxation of the chromophore of the green fluorescent protein. Chemical Physics Letters, 2001, 346, 47-53.	1.2	50

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37	Two-Dimensional Electronic Spectroscopy of Chlorophyll a: Solvent Dependent Spectral Evolution. Journal of Physical Chemistry B, 2015, 119, 8623-8630.	1.2	50
38	Picosecond dynamics at the solidâ€"liquid interface: a total internal reflection time-resolved surface second-harmonic generation study. Chemical Physics Letters, 1990, 174, 423-427.	1.2	49
39	Infrared spectroscopy reveals multi-step multi-timescale photoactivation in the photoconvertible protein archetype dronpa. Nature Chemistry, 2018, 10, 845-852.	6.6	48
40	Deuterium isotope effects on ultrafast polarisability anisotropy relaxation in methanol. Chemical Physics Letters, 1997, 281, 27-34.	1.2	46
41	Ultrafast Dynamics of Styrene Microemulsions, Polystyrene Nanolatexes, and Structural Analogues of Polystyrene. Journal of Physical Chemistry B, 2004, 108, 100-108.	1.2	45
42	Water Dynamics at Protein Interfaces: Ultrafast Optical Kerr Effect Study. Journal of Physical Chemistry A, 2012, 116, 2678-2685.	1.1	45
43	Complex fluorescence decay of quinine bisulphate in aqueous sulphuric acid solution. Chemical Physics Letters, 1982, 88, 22-26.	1.2	44
44	Surface plasmon enhanced substrate mediated photochemistry on roughened silver. Journal of Chemical Physics, 2000, 113, 8276-8282.	1.2	42
45	Ultrafast Dynamics of Protein Proton Transfer on Short Hydrogen Bond Potential Energy Surfaces: S65T/H148D GFP.. Journal of the American Chemical Society, 2010, 132, 1452-1453.	6.6	42
46	Ultrafast Optical Kerr Effect and Solvation Dynamics of Liquid Aniline. Journal of Physical Chemistry A, 1997, 101, 3641-3645.	1.1	41
47	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. Journal of the American Chemical Society, 2014, 136, 4605-4615.	6.6	41
48	Ultrafast Dynamics in Microemulsions:Â Optical Kerr Effect Study of the Dispersed Oil Phase in a Carbon Disulfideâ^'Dodecyltrimethylammonium Bromideâ^'Water Microemulsion. Journal of Physical Chemistry B, 2003, 107, 3405-3418.	1.2	40
49	Reactive Dynamics in Micelles: Auramine O in Solution and Adsorbed on Regular Micelles. Journal of Physical Chemistry B, 2010, 114, 12859-12865.	1.2	39
50	Ultrafast Structure and Dynamics in the Thermally Activated Delayed Fluorescence of a Carbeneâ€"Metalâ€"Amide. Journal of Physical Chemistry Letters, 2018, 9, 5873-5876.	2.1	39
51	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. Journal of the American Chemical Society, 2017, 139, 14638-14648.	6.6	38
52	Electronic spectroscopy and solvatochromism in the chromophore of GFP and the Y66F mutant. Photochemical and Photobiological Sciences, 2007, 6, 976.	1.6	37
53	Resolving Vibrational from Electronic Coherences in Two-Dimensional Electronic Spectroscopy: The Role of the Laser Spectrum. Physical Review Letters, 2017, 118, 033001.	2.9	37
54	A kinetic study of the reactions FeO++ O, Fe+Â·N2+ O, Fe+Â·O2+ O and FeO++ CO: implications for sporadic E layers in the upper atmosphere. Physical Chemistry Chemical Physics, 2006, 8, 1812-1821.	1.3	36

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55	Ultrafast Infrared Spectroscopy of an Isotope-Labeled Photoactivatable Flavoprotein. Biochemistry, 2011, 50, 1321-1328.	1.2	36
56	Femtosecond to Millisecond Dynamics of Light Induced Allostery in the Avena sativa LOV Domain. Journal of Physical Chemistry B, 2017, 121, 1010-1019.	1.2	36
57	A new twist in the photophysics of the GFP chromophore: a volume-conserving molecular torsion couple. Chemical Science, 2018, 9, 1803-1812.	3.7	36
58	Ultrafast Excimer Formation and Solvent Controlled Symmetry Breaking Charge Separation in the Excitonically Coupled Subphthalocyanine Dimer. Angewandte Chemie - International Edition, 2021, 60, 10568-10572.	7.2	36
59	ON THE CONSTRUCTION OF NANOSECOND TIMEâ€RESOLVED EMISSION SPECTRA. Photochemistry and Photobiology, 1981, 33, 159-172.	1.3	35
60	Time-resolved surface second harmonic generation: a test of the method and its application to picosecond isomerization in adsorbates. The Journal of Physical Chemistry, 1990, 94, 4913-4920.	2.9	35
61	Reactive Dynamics in Confined Liquids: Interfacial Charge Effects on Ultrafast Torsional Dynamics in Water Nanodroplets. Journal of Physical Chemistry B, 2009, 113, 1632-1639.	1.2	34
62	Excited State Structure and Dynamics of the Neutral and Anionic Flavin Radical Revealed by Ultrafast Transient Mid-IR to Visible Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 5810-5818.	1.2	33
63	Submicrometer infrared surface imaging using a scanning-probe microscope and an optical parametric oscillator laser. Optics Letters, 2009, 34, 431.	1.7	31
64	Vibronic interactions in the visible and near-infrared spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mi mathvariant="normal">C</mml:mi><mml:mn>60</mml:mn><mml:mo>â^'</mml:mo></mml:msubsup></mml:mrow></mml:math>anion Physical Review B, 2008, 77, .	1.1	30
65	Measuring acetic acid dimer modes by ultrafast time-domain Raman spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 15573.	1.3	29
66	Unraveling the Mechanism of a LOV Domain Optogenetic Sensor: A Glutamine Lever Induces Unfolding of the JÎ± Helix. ACS Chemical Biology, 2020, 15, 2752-2765.	1.6	29
67	Nanosecond heme-to-heme electron transfer rates in a multiheme cytochrome nanowire reported by a spectrally unique His/Met-ligated heme. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	29
68	Ultrafast Dynamics in the Dispersed Phase of Oil-In-Water Microemulsions:Â Monosubstituted Benzenes Incorporated into Dodecyltrimethylammonium Bromide (DTAB) Aqueous Micelles. Langmuir, 2005, 21, 1238-1243.	1.6	28
69	Ultrafast Studies of the Photophysics of Cis and Trans States of the Green Fluorescent Protein Chromophore. Journal of Physical Chemistry Letters, 2012, 3, 2298-2302.	2.1	28
70	Ultrafast Light-Driven Electron Transfer in a Ru(II)tris(bipyridine)-Labeled Multiheme Cytochrome. Journal of the American Chemical Society, 2019, 141, 15190-15200.	6.6	28
71	Complex kinetics of a* state formation in the DMABN-ethanol system. Chemical Physics Letters, 1985, 116, 262-267.	1.2	27
72	Full Characterization of Vibrational Coherence in a Porphyrin Chromophore by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 95-101.	1.1	27

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73	Comparative Study of the Primary Photochemical Mechanisms of Nitric Oxide and Carbonyl Sulfide on Ag(111). Journal of Physical Chemistry B, 1999, 103, 7480-7488.	1.2	26
74	Ultrafast Excited State Relaxation of the Chromophore of the Green Fluorescent Protein. Bulletin of the Chemical Society of Japan, 2002, 75, 1065-1070.	2.0	26
75	Time-Resolved Twisting Dynamics in a Porphyrin Dimer Characterized by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 14660-14667.	1.2	26
76	Mechanism of the AppA_{BLUF} Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 pK_a on the Forward and Reverse Ground-State Reactions. Journal of the American Chemical Society, 2016, 138, 926-935.	6.6	26
77	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. Angewandte Chemie - International Edition, 2018, 57, 6203-6207.	7.2	26
78	Picosecond dynamics of torsional motion in malachite green adsorbed on silica. A time-resolved surface second harmonic generation study. Chemical Physics Letters, 1993, 202, 57-64.	1.2	25
79	Ultrafast reaction dynamics in nanoscale water droplets confined by ionic surfactants. Faraday Discussions, 0, 145, 185-203.	1.6	25
80	Ultrafast Structural Dynamics of BlsA, a Photoreceptor from the Pathogenic Bacterium Acinetobacter baumannii. Journal of Physical Chemistry Letters, 2014, 5, 220-224.	2.1	25
81	Photoacid behaviour in a fluorinated green fluorescent protein chromophore: ultrafast formation of anion and zwitterion states. Chemical Science, 2016, 7, 5747-5752.	3.7	24
82	Protein Photochromism Observed by Ultrafast Vibrational Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 11954-11959.	1.2	23
83	Complete Proton Transfer Cycle in GFP and Its T203V and S205V Mutants. Angewandte Chemie - International Edition, 2015, 54, 9303-9307.	7.2	23
84	Picosecond dynamics of adsorbates by time-resolved surface second-harmonic generation. Chemical Physics Letters, 1989, 154, 20-24.	1.2	22
85	Enhanced photodesorption of NO on roughened silver surfaces. Chemical Physics Letters, 1996, 262, 142-150.	1.2	22
86	Ultrafast excited state dynamics of the green fluorescent protein chromophore and its kindling fluorescent protein analogue. Faraday Discussions, 2013, 163, 277.	1.6	22
87	Functional dynamics of a single tryptophan residue in a BLUF protein revealed by fluorescence spectroscopy. Scientific Reports, 2020, 10, 2061.	1.6	22
88	Fluorescence properties of ergosterol. Journal of Photochemistry and Photobiology, 1985, 30, 207-214.	0.6	21
89	Time-resolved fluorescence of p-dimethylaminobenzonitrile in mixed solvents. Journal of the Chemical Society, Faraday Transactions 2, 1987, 83, 1941.	1.1	21
90	Femtosecond polarisability anisotropy relaxation and solvation dynamics The cases of aniline and methanol. Faraday Discussions, 1997, 108, 35-50.	1.6	21

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91	Optically Induced Second Harmonic Generation by Six-wave Mixing:â€‰ A Novel Probe of Solute Orientational Dynamics. Journal of Physical Chemistry A, 1999, 103, 3830-3836.	1.1	21
92	Orientational and interaction induced dynamics in the isotropic phase of a liquid crystal: Polarization resolved ultrafast optical Kerr effect spectroscopy. Journal of Chemical Physics, 2004, 120, 10828-10836.	1.2	21
93	Reactive dynamics in confined water droplets: Auramine O in AOT/water/heptane microemulsions. Chemical Physics Letters, 2005, 416, 89-93.	1.2	21
94	Ultrafast transient mid IR to visible spectroscopy of fully reduced flavins. Physical Chemistry Chemical Physics, 2011, 13, 17642.	1.3	21
95	Vibrational Assignment of the Ultrafast Infrared Spectrum of the Photoactivatable Flavoprotein AppA. Journal of Physical Chemistry B, 2012, 116, 10722-10729.	1.2	21
96	Polarization-Resolved Ultrafast Polarizability Relaxation in Polar Aromatic Liquids. Journal of Physical Chemistry B, 2008, 112, 12976-12984.	1.2	20
97	Variation in LOV Photoreceptor Activation Dynamics Probed by Time-Resolved Infrared Spectroscopy. Biochemistry, 2018, 57, 620-630.	1.2	20
98	Photophysics of the Blue Light Using Flavin Domain. Accounts of Chemical Research, 2022, 55, 402-414.	7.6	19
99	The application of fluorescence decay measurements in studies of biological systems. IEEE Journal of Quantum Electronics, 1984, 20, 1343-1352.	1.0	18
100	Picosecond Dynamics of Adsorbed Dyes:Â A Time-Resolved Surface Second-Harmonic Generation Study of Rhodamine 110 on Silica. The Journal of Physical Chemistry, 1996, 100, 3323-3329.	2.9	18
101	LDS-750 as a probe of solvation dynamics: a femtosecond time-resolved fluorescence study in liquid aniline. Chemical Physics Letters, 1999, 303, 209-217.	1.2	18
102	Observation of low frequency vibrational modes in a mutant of the green fluorescent protein. Physical Chemistry Chemical Physics, 2004, 6, 2012.	1.3	18
103	Time-Resolved Emission Spectra of Green Fluorescent Protein. Photochemistry and Photobiology, 2006, 82, 373.	1.3	18
104	Observation of ultrafast internal conversion in fullerene anions in solution. Chemical Physics Letters, 2009, 474, 112-114.	1.2	18
105	Ultrafast Excited State Dynamics in Molecular Motors: Coupling of Motor Length to Medium Viscosity. Journal of Physical Chemistry A, 2017, 121, 2138-2150.	1.1	18
106	Electronic Energy Transfer in a Subphthalocyanineâ€“Zn Porphyrin Dimer Studied by Linear and Nonlinear Ultrafast Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 5724-5733.	1.1	18
107	Low-frequency isotropic and anisotropic Raman spectra of aromatic liquids. Journal of Chemical Physics, 2010, 132, 174503.	1.2	17
108	Aqueous solvation of amphiphilic solutes: concentration and temperature dependent study of the ultrafast polarisability relaxation dynamics. Physical Chemistry Chemical Physics, 2012, 14, 6343.	1.3	17

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109	The Effect of Conjugation on the Competition between Internal Conversion and Electron Detachment: A Comparison between Green Fluorescent and Red Kaede Protein Chromophores. Journal of Physical Chemistry Letters, 2017, 8, 765-771.	2.1	17
110	Site-Specific Protein Dynamics Probed by Ultrafast Infrared Spectroscopy of a Noncanonical Amino Acid. Journal of Physical Chemistry B, 2019, 123, 9592-9597.	1.2	17
111	A quantum electrodynamical treatment of second harmonic generation through phase conjugate six-wave mixing: Polarization analysis. Journal of Chemical Physics, 1998, 109, 10580-10586.	1.2	16
112	The dynamics and origin of NO photodesorbed from NO/Ag(111). Chemical Physics Letters, 2000, 327, 137-142.	1.2	16
113	Polarisation-resolved ultrafast Raman responses of carbon disulfide in solution and microemulsion environments. Chemical Physics Letters, 2003, 371, 304-310.	1.2	16
114	The inhomogeneous broadening of the electronic spectra of dyes in glycerol solution. A time-resolved fluorescence study. Chemical Physics Letters, 1992, 197, 537-541.	1.2	15
115	Influence of submonolayer sodium adsorption on the photoemission of the Cu(111)/water ice surface. Journal of Chemical Physics, 2006, 125, 224702.	1.2	15
116	Ultrafast electronic and vibrational dynamics of stabilized A state mutants of the green fluorescent protein (GFP): Snipping the proton wire. Chemical Physics, 2008, 350, 193-200.	0.9	15
117	Ultrafast Excited State Dynamics in 9,9â€²-Bifluorenylidene. Journal of Physical Chemistry A, 2014, 118, 5961-5968.	1.1	15
118	Time-resolved emission spectroscopy of 1,3-dimethyl indole in n-butanol. Chemical Physics Letters, 1982, 92, 523-527.	1.2	14
119	Photoemission from Sodium on Ice:Â A Mechanism for Positive and Negative Charge Coexistence in the Mesosphere. Journal of Physical Chemistry B, 2006, 110, 3860-3863.	1.2	14
120	Ultrafast reaction dynamics of auramine O in a cyclodextrin nanocavity. Journal of Molecular Liquids, 2012, 176, 17-21.	2.3	14
121	Femtosecond stimulated Raman study of the photoactive flavoprotein AppABLUF. Chemical Physics Letters, 2017, 683, 365-369.	1.2	14
122	Femtosecond dynamics of thin films by six-wave mixing. Chemical Physics Letters, 1998, 285, 321-329.	1.2	13
123	Ultrafast dynamics of polybutadiene probed by optically heterodyne-detected optical-Kerr-effect spectroscopy. Chemical Physics Letters, 2004, 400, 368-373.	1.2	13
124	Electron transfer quenching in light adapted and mutant forms of the AppA BLUF domain. Faraday Discussions, 2015, 177, 293-311.	1.6	13
125	Ultrafast Excited State Dynamics in a First Generation Photomolecular Motor. ChemPhysChem, 2020, 21, 594-599.	1.0	13
126	Five-wave mixing in molecular fluids. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 5609-5619.	0.6	12

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127	Numerical modelling of the excitation energy dependence of adsorbate photochemistry at metal surfaces. Chemical Physics Letters, 2001, 347, 1-7.	1.2	12
128	Solvent dependence of low frequency vibrational modes: an ultrafast optical Kerr effect study of diphenylmethane. Chemical Physics Letters, 2003, 378, 195-201.	1.2	12
129	Temperature- and solvation-dependent dynamics of liquid sulfur dioxide studied through the ultrafast optical Kerr effect. Journal of Chemical Physics, 2006, 124, 024506.	1.2	12
130	Modelling the influence of nonthermal electron dynamics in thin and ultrathin gold films. Chemical Physics, 2007, 341, 276-284.	0.9	12
131	One- to Two-Exciton Transitions in Perylene Bisimide Dimer Revealed by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 1594-1601.	1.1	12
132	Identification of the vibrational marker of tyrosine cation radical using ultrafast transient infrared spectroscopy of flavoprotein systems. Photochemical and Photobiological Sciences, 2021, 20, 369-378.	1.6	12
133	Tuning the Hydrophobic Interaction: Ultrafast Optical Kerr Effect Study of Aqueous Ionene Solutions. Journal of Physical Chemistry B, 2015, 119, 8900-8908.	1.2	11
134	PD1 blockade potentiates the therapeutic efficacy of photothermally-activated and MRI-guided low temperature-sensitive magnetoliposomes. Journal of Controlled Release, 2021, 332, 419-433.	4.8	11
135	THE PHOTOREACTION OF A RHODAMINE 6G MONOLAYER ADSORBED ON QUARTZ STUDIED BY SURFACE SECOND HARMONIC GENERATION. Photochemistry and Photobiology, 1991, 53, 627-632.	1.3	10
136	Hydroxide Hydrogen Bonding: Probing the Solvation Structure through Ultrafast Time Domain Raman Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 1155-1160.	2.1	10
137	Dynamics of Formamide Ionic Solutions Investigated by Ultrafast Optical Kerr Effect. Journal of Physical Chemistry B, 2012, 116, 13481-13489.	1.2	10
138	Excited state structural dynamics in higher lying electronic states: S2 state of malachite green. Chemical Physics Letters, 2014, 607, 43-46.	1.2	10
139	Excited State Vibrations of Isotopically Labeled FMN Free and Bound to a Lightâ€“Oxygenâ€“Voltage (LOV) Protein. Journal of Physical Chemistry B, 2020, 124, 7152-7165.	1.2	10
140	Excited State Resonance Raman of Flavin Mononucleotide: Comparison of Theory and Experiment. Journal of Physical Chemistry A, 2021, 125, 6171-6179.	1.1	10
141	Synchronously pumped dye lasers in fluorescence decay measurements of molecular motion. Journal of Photochemistry and Photobiology, 1981, 17, 427-433.	0.6	9
142	Time resolved structural dynamics of butadiyne-linked porphyrin dimers. Structural Dynamics, 2016, 3, 023608.	0.9	9
143	Excited State Structure Correlates with Efficient Photoconversion in Unidirectional Motors. Journal of Physical Chemistry Letters, 2021, 12, 3367-3372.	2.1	9
144	Action spectroscopy of the isolated red Kaede fluorescent protein chromophore. Journal of Chemical Physics, 2021, 155, 124304.	1.2	9

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145	Structural Information about the trans-to-cis Isomerization Mechanism of the Photoswitchable Fluorescent Protein rsEGFP2 Revealed by Multiscale Infrared Transient Absorption. Journal of Physical Chemistry Letters, 2022, 13, 1194-1202.	2.1	9
146	Living lasers. Nature Photonics, 2011, 5, 387-388.	15.6	8
147	Excitonâ€“Exciton Annihilation as a Probe of Exciton Diffusion in Large Porphyrin Nanorings. Journal of Physical Chemistry C, 2020, 124, 18416-18425.	1.5	8
148	Photophysics of First-Generation Photomolecular Motors: Resolving Roles of Temperature, Friction, and Medium Polarity. Journal of Physical Chemistry A, 2021, 125, 1711-1719.	1.1	8
149	Orientational Phase Transitions in Merocyanine Monolayers on Acidic Aqueous Subphases. Langmuir, 2000, 16, 2893-2898.	1.6	7
150	Morphology dependent ultrafast electron dynamics in ultrathin gold films. Surface Science, 2008, 602, 3125-3130.	0.8	7
151	Raman vibrational dynamics of hydrated ions in the low-frequency spectral region. Journal of Molecular Liquids, 2017, 228, 45-53.	2.3	7
152	Phase matching and optical geometry considerations in ultrafast non-degenerate six-wave-mixing experiments. Optics Communications, 2000, 174, 285-290.	1.0	6
153	Photochemistry of Fe(CO)5Adsorbed on Single Crystal and Roughened Silver. Journal of Physical Chemistry B, 2002, 106, 10205-10214.	1.2	6
154	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. Angewandte Chemie, 2018, 130, 6311-6315.	1.6	6
155	Time-Resolved Structural Dynamics of Extended Ï€-Electron Porphyrin Nanoring. Journal of Physical Chemistry C, 2019, 123, 27222-27229.	1.5	6
156	Altered relaxation dynamics of excited state reactions by confinement in reverse micelles probed by ultrafast fluorescence up-conversion. Chemical Society Reviews, 2021, 50, 11486-11502.	18.7	6
157	Photodesorption and photochemical dynamics on roughened silver: Sulphur dioxide and carbonyl sulphide. Surface Science, 2005, 585, 123-133.	0.8	5
158	Low-frequency modes of the benzoic acid dimer in chloroform observed by the optical Kerr effect. Journal of Chemical Physics, 2011, 135, 134504.	1.2	5
159	Complexation of Green and Red Kaede Fluorescent Protein Chromophores by a Zwitterion to Probe Electrostatic and Induction Field Effects. Journal of Physical Chemistry A, 2022, 126, 1158-1167.	1.1	5
160	Quantum-electrodynamical treatment of second-harmonic generation through phase-conjugate six-wave mixing: Temporal analysis. Physical Review A, 2000, 62, .	1.0	4
161	Stability analysis of a non-symmetric femtosecond-cavity-dumped solid-state oscillator. Optics Communications, 2006, 259, 840-847.	1.0	4
162	Ultrafast proton transfer in the green fluorescent protein: Analysing the instantaneous emission at product state wavelengths. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 21-26.	2.0	4

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163	Photoelectric emission from the alkali metal doped vacuum-ice interface. Journal of Chemical Physics, 2009, 130, 054702.	1.2	3
164	KINETIC APPLICATIONS OF SURFACE NONLINEAR OPTICAL SIGNALS. Advances in Multi-photon Processes and Spectroscopy, 1993, , 281-341.	0.6	3
165	Reactive Dynamics in Confined Water by Reversed Micelles. Lecture Notes in Nanoscale Science and Technology, 2013, , 265-288.	0.4	3
166	Time-Resolved Vibrational Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 4389-4389.	1.1	2
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