

Stephen R Meech

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/268464/publications.pdf>

Version: 2024-02-01

183
papers

6,924
citations

71004

43
h-index

84171

75
g-index

189
all docs

189
docs citations

189
times ranked

5814
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics of the Blue Light Using Flavin Domain. <i>Accounts of Chemical Research</i> , 2022, 55, 402-414.	7.6	19
2	Structural Information about the <i>trans</i> -to- <i>cis</i> Isomerization Mechanism of the Photoswitchable Fluorescent Protein rsEGFP2 Revealed by Multiscale Infrared Transient Absorption. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1194-1202.	2.1	9
3	Complexation of Green and Red Kaede Fluorescent Protein Chromophores by a Zwitterion to Probe Electrostatic and Induction Field Effects. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1158-1167.	1.1	5
4	Altered relaxation dynamics of excited state reactions by confinement in reverse micelles probed by ultrafast fluorescence up-conversion. <i>Chemical Society Reviews</i> , 2021, 50, 11486-11502.	18.7	6
5	Identification of the vibrational marker of tyrosine cation radical using ultrafast transient infrared spectroscopy of flavoprotein systems. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 369-378.	1.6	12
6	Photophysics of First-Generation Photomolecular Motors: Resolving Roles of Temperature, Friction, and Medium Polarity. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1711-1719.	1.1	8
7	Ultrafast Excimer Formation and Solvent Controlled Symmetry Breaking Charge Separation in the Excitonically Coupled Subphthalocyanine Dimer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10568-10572.	7.2	36
8	Ultrafast Excimer Formation and Solvent Controlled Symmetry Breaking Charge Separation in the Excitonically Coupled Subphthalocyanine Dimer. <i>Angewandte Chemie</i> , 2021, 133, 10662-10666.	1.6	2
9	Excited State Structure Correlates with Efficient Photoconversion in Unidirectional Motors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3367-3372.	2.1	9
10	PD1 blockade potentiates the therapeutic efficacy of photothermally-activated and MRI-guided low temperature-sensitive magnetoliposomes. <i>Journal of Controlled Release</i> , 2021, 332, 419-433.	4.8	11
11	Virtual Issue on Ultrafast Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6037-6039.	1.2	0
12	Excited State Resonance Raman of Flavin Mononucleotide: Comparison of Theory and Experiment. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6171-6179.	1.1	10
13	Nanosecond heme-to-heme electron transfer rates in a multiheme cytochrome nanowire reported by a spectrally unique His/Met-ligated heme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
14	Action spectroscopy of the isolated red Kaede fluorescent protein chromophore. <i>Journal of Chemical Physics</i> , 2021, 155, 124304.	1.2	9
15	Exciton-Exciton Annihilation as a Probe of Exciton Diffusion in Large Porphyrin Nanorings. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18416-18425.	1.5	8
16	Excited State Vibrations of Isotopically Labeled FMN Free and Bound to a Light-Oxygen-Voltage (LOV) Protein. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7152-7165.	1.2	10
17	Unraveling the Mechanism of a LOV Domain Optogenetic Sensor: A Glutamine Lever Induces Unfolding of the β ± Helix. <i>ACS Chemical Biology</i> , 2020, 15, 2752-2765.	1.6	29
18	Functional dynamics of a single tryptophan residue in a BLUF protein revealed by fluorescence spectroscopy. <i>Scientific Reports</i> , 2020, 10, 2061.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Ultrafast Excited State Dynamics in a First Generation Photomolecular Motor. <i>ChemPhysChem</i> , 2020, 21, 594-599.	1.0	13
20	Ultrafast Protein Dynamics Probed by Site Specific Transient IR Spectroscopy. , 2020, , .		1
21	Site-Specific Protein Dynamics Probed by Ultrafast Infrared Spectroscopy of a Noncanonical Amino Acid. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9592-9597.	1.2	17
22	Time-Resolved Structural Dynamics of Extended π -Electron Porphyrin Nanoring. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27222-27229.	1.5	6
23	Ultrafast Light-Driven Electron Transfer in a Ru(II)tris(bipyridine)-Labeled Multiheme Cytochrome. <i>Journal of the American Chemical Society</i> , 2019, 141, 15190-15200.	6.6	28
24	Electronic Energy Transfer in a Subphthalocyanine Zn Porphyrin Dimer Studied by Linear and Nonlinear Ultrafast Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5724-5733.	1.1	18
25	One- to Two-Exciton Transitions in Perylene Bisimide Dimer Revealed by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1594-1601.	1.1	12
26	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie</i> , 2018, 130, 6311-6315.	1.6	6
27	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6203-6207.	7.2	26
28	A new twist in the photophysics of the GFP chromophore: a volume-conserving molecular torsion couple. <i>Chemical Science</i> , 2018, 9, 1803-1812.	3.7	36
29	Variation in LOV Photoreceptor Activation Dynamics Probed by Time-Resolved Infrared Spectroscopy. <i>Biochemistry</i> , 2018, 57, 620-630.	1.2	20
30	Ultrafast Structure and Dynamics in the Thermally Activated Delayed Fluorescence of a Carbene Metal Amide. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5873-5876.	2.1	39
31	Time-Resolved Vibrational Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4389-4389.	1.1	2
32	Infrared spectroscopy reveals multi-step multi-timescale photoactivation in the photoconvertible protein archetype dronpa. <i>Nature Chemistry</i> , 2018, 10, 845-852.	6.6	48
33	The Effect of Conjugation on the Competition between Internal Conversion and Electron Detachment: A Comparison between Green Fluorescent and Red Kaede Protein Chromophores. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 765-771.	2.1	17
34	Ultrafast Excited State Dynamics in Molecular Motors: Coupling of Motor Length to Medium Viscosity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2138-2150.	1.1	18
35	Resolving Vibrational from Electronic Coherences in Two-Dimensional Electronic Spectroscopy: The Role of the Laser Spectrum. <i>Physical Review Letters</i> , 2017, 118, 033001.	2.9	37
36	Femtosecond to Millisecond Dynamics of Light Induced Allostery in the <i>Avena sativa</i> LOV Domain. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1010-1019.	1.2	36

#	ARTICLE	IF	CITATIONS
37	Ultrafast Dynamics in Light-Driven Molecular Rotary Motors Probed by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 7408-7414.	6.6	75
38	Femtosecond stimulated Raman study of the photoactive flavoprotein AppABLUF. <i>Chemical Physics Letters</i> , 2017, 683, 365-369.	1.2	14
39	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. <i>Journal of the American Chemical Society</i> , 2017, 139, 14638-14648.	6.6	38
40	Raman vibrational dynamics of hydrated ions in the low-frequency spectral region. <i>Journal of Molecular Liquids</i> , 2017, 228, 45-53.	2.3	7
41	Time resolved structural dynamics of butadiyne-linked porphyrin dimers. <i>Structural Dynamics</i> , 2016, 3, 023608.	0.9	9
42	Photoacid behaviour in a fluorinated green fluorescent protein chromophore: ultrafast formation of anion and zwitterion states. <i>Chemical Science</i> , 2016, 7, 5747-5752.	3.7	24
43	Mechanism of the AppA _{BLUF} Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 p <i>K</i> _a on the Forward and Reverse Ground-State Reactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 926-935.	6.6	26
44	Ultrafast Isomerization Dynamics of a Unidirectional Molecular Rotor Revealed by Femtosecond Stimulated Raman Spectroscopy (FSRS). , 2016, , .		1
45	Complete Proton Transfer Cycle in GFP and Its T203V and S205V Mutants. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9303-9307.	7.2	23
46	Local and Global Dynamics: general discussion. <i>Faraday Discussions</i> , 2015, 177, 381-403.	1.6	0
47	Tuning the Hydrophobic Interaction: Ultrafast Optical Kerr Effect Study of Aqueous Ionene Solutions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8900-8908.	1.2	11
48	Full Characterization of Vibrational Coherence in a Porphyrin Chromophore by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2015, 119, 95-101.	1.1	27
49	Electron transfer quenching in light adapted and mutant forms of the AppA BLUF domain. <i>Faraday Discussions</i> , 2015, 177, 293-311.	1.6	13
50	Two-Dimensional Electronic Spectroscopy of Chlorophyll a: Solvent Dependent Spectral Evolution. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8623-8630.	1.2	50
51	Time and Space resolved Methods: general discussion. <i>Faraday Discussions</i> , 2015, 177, 263-292.	1.6	1
52	Time-Resolved Twisting Dynamics in a Porphyrin Dimer Characterized by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14660-14667.	1.2	26
53	Two-dimensional electronic spectroscopy based on conventional optics and fast dual chopper data acquisition. <i>Review of Scientific Instruments</i> , 2014, 85, 063103.	0.6	51
54	Ultrafast Structural Dynamics of BlsA, a Photoreceptor from the Pathogenic Bacterium <i>Acinetobacter baumannii</i> . <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 220-224.	2.1	25

#	ARTICLE	IF	CITATIONS
55	Chemically Optimizing Operational Efficiency of Molecular Rotary Motors. Journal of the American Chemical Society, 2014, 136, 9692-9700.	6.6	96
56	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. Journal of the American Chemical Society, 2014, 136, 4605-4615.	6.6	41
57	Ultrafast Excited State Dynamics in 9,9- Bifluorenylidene . Journal of Physical Chemistry A, 2014, 118, 5961-5968.	1.1	15
58	Excited state structural dynamics in higher lying electronic states: S2 state of malachite green. Chemical Physics Letters, 2014, 607, 43-46.	1.2	10
59	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
60	Protein Photochromism Observed by Ultrafast Vibrational Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 11954-11959.	1.2	23
61	Ultrafast excited state dynamics of the green fluorescent protein chromophore and its kindling fluorescent protein analogue. Faraday Discussions, 2013, 163, 277.	1.6	22
62	THz Raman spectra of aqueous solutions of hydrophiles and amphiphiles. , 2013, , .		0
63	Ultrafast ignition of a uni-directional molecular motor. EPJ Web of Conferences, 2013, 41, 05016.	0.1	0
64	Reactive Dynamics in Confined Water by Reversed Micelles. Lecture Notes in Nanoscale Science and Technology, 2013, , 265-288.	0.4	3
65	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
66	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
67	Vibrational Assignment of the Ultrafast Infrared Spectrum of the Photoactivatable Flavoprotein AppA. Journal of Physical Chemistry B, 2012, 116, 10722-10729.	1.2	21
68	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
69	Ultrafast reaction dynamics of auramine O in a cyclodextrin nanocavity. Journal of Molecular Liquids, 2012, 176, 17-21.	2.3	14
70	Dynamics of Formamide Ionic Solutions Investigated by Ultrafast Optical Kerr Effect. Journal of Physical Chemistry B, 2012, 116, 13481-13489.	1.2	10
71	Ultrafast dynamics in the power stroke of a molecular rotary motor. Nature Chemistry, 2012, 4, 547-551.	6.6	168
72	Water Dynamics at Protein Interfaces: Ultrafast Optical Kerr Effect Study. Journal of Physical Chemistry A, 2012, 116, 2678-2685.	1.1	45

#	ARTICLE	IF	CITATIONS
73	Ultrafast proton transfer in the green fluorescent protein: Analysing the instantaneous emission at product state wavelengths. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 234, 21-26.	2.0	4
74	Measuring acetic acid dimer modes by ultrafast time-domain Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15573.	1.3	29
75	Ultrafast transient mid IR to visible spectroscopy of fully reduced flavins. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17642.	1.3	21
76	Hydroxide Hydrogen Bonding: Probing the Solvation Structure through Ultrafast Time Domain Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1155-1160.	2.1	10
77	Chemically Modulating the Photophysics of the GFP Chromophore. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1571-1577.	1.2	55
78	Low-Frequency Modes of Aqueous Alkali Halide Solutions: An Ultrafast Optical Kerr Effect Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1863-1873.	1.2	63
79	Ultrafast Infrared Spectroscopy of an Isotope-Labeled Photoactivatable Flavoprotein. <i>Biochemistry</i> , 2011, 50, 1321-1328.	1.2	36
80	Primary Photophysical Processes in Chromoproteins. <i>Springer Series on Fluorescence</i> , 2011, , 41-68.	0.8	0
81	Photoexcitation of the Blue Light Using FAD Photoreceptor AppA Results in Ultrafast Changes to the Protein Matrix. <i>Journal of the American Chemical Society</i> , 2011, 133, 16893-16900.	6.6	51
82	THz Spectra and Dynamics of Aqueous Solutions Studied by the Ultrafast Optical Kerr Effect. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2563-2573.	1.2	66
83	Living lasers. <i>Nature Photonics</i> , 2011, 5, 387-388.	15.6	8
84	Low-frequency modes of the benzoic acid dimer in chloroform observed by the optical Kerr effect. <i>Journal of Chemical Physics</i> , 2011, 135, 134504.	1.2	5
85	Low-frequency isotropic and anisotropic Raman spectra of aromatic liquids. <i>Journal of Chemical Physics</i> , 2010, 132, 174503.	1.2	17
86	Reactive Dynamics in Micelles: Auramine O in Solution and Adsorbed on Regular Micelles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12859-12865.	1.2	39
87	Ultrafast Dynamics of Protein Proton Transfer on Short Hydrogen Bond Potential Energy Surfaces: S65T/H148D GFP.. <i>Journal of the American Chemical Society</i> , 2010, 132, 1452-1453.	6.6	42
88	Ultrafast Dynamics and Hydrogen-Bond Structure in Aqueous Solutions of Model Peptides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10684-10691.	1.2	64
89	Low-Frequency Modes of Aqueous Alkali Halide Solutions: Glimpsing the Hydrogen Bonding Vibration. <i>Science</i> , 2010, 327, 857-860.	6.0	135
90	Ultrafast dynamics of the BLUF mutant dAppA Q63E revealed by TRIR and fluorescent upconversion. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
91	Ultrafast Proton Transfer in Fluorescent and Photochromic Proteins. , 2010, , .		0
92	Ultrafast Polarized Raman as a Probe of Solvation Shell Structure and Dynamics in Aqueous Salt Solutions. , 2010, , .		0
93	Determining Structural Differences in the Dark and Light States of AppA using Vibrational and Ultrafast Fluorescence Spectroscopy. FASEB Journal, 2010, 24, 513.1.	0.2	1
94	Photoelectric emission from the alkali metal doped vacuum-ice interface. Journal of Chemical Physics, 2009, 130, 054702.	1.2	3
95	Excited state dynamics in the green fluorescent protein. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 205, 1-11.	2.0	59
96	Observation of ultrafast internal conversion in fullerene anions in solution. Chemical Physics Letters, 2009, 474, 112-114.	1.2	18
97	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
98	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
99	Submicrometer infrared surface imaging using a scanning-probe microscope and an optical parametric oscillator laser. Optics Letters, 2009, 34, 431.	1.7	31
100	Excited state reactions in fluorescent proteins. Chemical Society Reviews, 2009, 38, 2922.	18.7	285
101	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
102	Morphology dependent ultrafast electron dynamics in ultrathin gold films. Surface Science, 2008, 602, 3125-3130.	0.8	7
103	Polarization-Resolved Ultrafast Polarizability Relaxation in Polar Aromatic Liquids. Journal of Physical Chemistry B, 2008, 112, 12976-12984.	1.2	20
104	An Alternate Proton Acceptor for Excited-State Proton Transfer in Green Fluorescent Protein: Rewiring GFP. Journal of the American Chemical Society, 2008, 130, 1227-1235.	6.6	108
105	Vibronic interactions in the visible and near-infrared spectra of C_{60} . Physical Review B, 2008, 77, .	1.1	30
106	Ultrafast Dynamics in Ultrathin Gold Films. , 2007, , .		0
107	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
108	Ultrafast Structural Dynamics in BLUF Domains: Transient Infrared Spectroscopy of AppA and Its Mutants. Journal of the American Chemical Society, 2007, 129, 15556-15564.	6.6	113

#	ARTICLE	IF	CITATIONS
109	Electronic spectroscopy and solvatochromism in the chromophore of GFP and the Y66F mutant. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 976.	1.6	37
110	Modelling the influence of nonthermal electron dynamics in thin and ultrathin gold films. <i>Chemical Physics</i> , 2007, 341, 276-284.	0.9	12
111	Ultrafast Photoreactions in the Green Fluorescent Protein Studied Through Time Resolved Vibrational Spectroscopy. <i>Springer Series in Chemical Physics</i> , 2007, , 468-470.	0.2	1
112	Temperature- and solvation-dependent dynamics of liquid sulfur dioxide studied through the ultrafast optical Kerr effect. <i>Journal of Chemical Physics</i> , 2006, 124, 024506.	1.2	12
113	A kinetic study of the reactions $\text{FeO}^{++} + \text{O}$, $\text{Fe}^{+} + \text{N}_2 + \text{O}$, $\text{Fe}^{+} + \text{O}_2 + \text{O}$ and $\text{FeO}^{++} + \text{CO}$: implications for sporadic E layers in the upper atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1812-1821.	1.3	36
114	Ultrafast Vibrational Spectroscopy of the Flavin Chromophore. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20107-20110.	1.2	61
115	Photoemission from Sodium on Ice: A Mechanism for Positive and Negative Charge Coexistence in the Mesosphere. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3860-3863.	1.2	14
116	Stability analysis of a non-symmetric femtosecond-cavity-dumped solid-state oscillator. <i>Optics Communications</i> , 2006, 259, 840-847.	1.0	4
117	Time-Resolved Emission Spectra of Green Fluorescent Protein. <i>Photochemistry and Photobiology</i> , 2006, 82, 373.	1.3	18
118	Proton Relay Reaction in Green Fluorescent Protein (GFP): Polarization-Resolved Ultrafast Vibrational Spectroscopy of Isotopically Edited GFP. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22009-22018.	1.2	73
119	Influence of submonolayer sodium adsorption on the photoemission of the Cu(111)/water ice surface. <i>Journal of Chemical Physics</i> , 2006, 125, 224702.	1.2	15
120	Ultrafast Photoreactions in the Green Fluorescent Protein Studied Through Time Resolved Vibrational Spectroscopy. , 2006, , .		0
121	Photodesorption and photochemical dynamics on roughened silver: Sulphur dioxide and carbonyl sulphide. <i>Surface Science</i> , 2005, 585, 123-133.	0.8	5
122	Reactive dynamics in confined water droplets: Auramine O in AOT/water/heptane microemulsions. <i>Chemical Physics Letters</i> , 2005, 416, 89-93.	1.2	21
123	Ultrafast Dynamics in the Dispersed Phase of Oil-In-Water Microemulsions: Monosubstituted Benzenes Incorporated into Dodecyltrimethylammonium Bromide (DTAB) Aqueous Micelles. <i>Langmuir</i> , 2005, 21, 1238-1243.	1.6	28
124	Observation of Excited-State Proton Transfer in Green Fluorescent Protein using Ultrafast Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 2864-2865.	6.6	189
125	Orientational and interaction induced dynamics in the isotropic phase of a liquid crystal: Polarization resolved ultrafast optical Kerr effect spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 10828-10836.	1.2	21
126	Ultrafast dynamics of polybutadiene probed by optically heterodyne-detected optical-Kerr-effect spectroscopy. <i>Chemical Physics Letters</i> , 2004, 400, 368-373.	1.2	13

#	ARTICLE	IF	CITATIONS
127	Observation of low frequency vibrational modes in a mutant of the green fluorescent protein. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2012.	1.3	18
128	Excited-State Dynamics in the Green Fluorescent Protein Chromophore. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1102-1108.	1.2	169
129	Ultrafast Dynamics of Styrene Microemulsions, Polystyrene Nanolatexes, and Structural Analogues of Polystyrene. <i>Journal of Physical Chemistry B</i> , 2004, 108, 100-108.	1.2	45
130	Multiphoton-excited luminescence of a lanthanide ion in a protein complex: Tb ³⁺ bound to transferrin. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 47.	1.6	54
131	Polarisation-resolved ultrafast Raman responses of carbon disulfide in solution and microemulsion environments. <i>Chemical Physics Letters</i> , 2003, 371, 304-310.	1.2	16
132	Solvent dependence of low frequency vibrational modes: an ultrafast optical Kerr effect study of diphenylmethane. <i>Chemical Physics Letters</i> , 2003, 378, 195-201.	1.2	12
133	Ultrafast Dynamics in Microemulsions: An Optical Kerr Effect Study of the Dispersed Oil Phase in a Carbon Disulfide/Dodecyltrimethylammonium Bromide/Water Microemulsion. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3405-3418.	1.2	40
134	Internal Conversion in the Chromophore of the Green Fluorescent Protein: A Temperature Dependence and Isoviscosity Analysis. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2616-2623.	1.1	127
135	Ultrafast Excited State Relaxation of the Chromophore of the Green Fluorescent Protein. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 1065-1070.	2.0	26
136	Photochemistry of Fe(CO) ₅ Adsorbed on Single Crystal and Roughened Silver. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10205-10214.	1.2	6
137	Nonlinear Optics and Surface Applications. , 2002, , 233-256.		0
138	Optically-heterodyne-detected optical Kerr effect (OHD-OKE): Applications in condensed phase dynamics. <i>International Reviews in Physical Chemistry</i> , 2002, 21, 75-100.	0.9	195
139	Ultrafast fluorescence of the chromophore of the green fluorescent protein in alcohol solutions. <i>Chemical Physics Letters</i> , 2002, 358, 495-501.	1.2	56
140	Radiationless Relaxation in a Synthetic Analogue of the Green Fluorescent Protein Chromophore. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8036-8039.	1.2	125
141	Numerical modelling of the excitation energy dependence of adsorbate photochemistry at metal surfaces. <i>Chemical Physics Letters</i> , 2001, 347, 1-7.	1.2	12
142	An ultrafast polarisation spectroscopy study of internal conversion and orientational relaxation of the chromophore of the green fluorescent protein. <i>Chemical Physics Letters</i> , 2001, 346, 47-53.	1.2	50
143	The dynamics and origin of NO photodesorbed from NO/Ag(111). <i>Chemical Physics Letters</i> , 2000, 327, 137-142.	1.2	16
144	Phase matching and optical geometry considerations in ultrafast non-degenerate six-wave-mixing experiments. <i>Optics Communications</i> , 2000, 174, 285-290.	1.0	6

#	ARTICLE	IF	CITATIONS
145	Surface plasmon enhanced substrate mediated photochemistry on roughened silver. <i>Journal of Chemical Physics</i> , 2000, 113, 8276-8282.	1.2	42
146	Quantum-electrodynamical treatment of second-harmonic generation through phase-conjugate six-wave mixing: Temporal analysis. <i>Physical Review A</i> , 2000, 62, .	1.0	4
147	Ultrafast Dynamics of Polar Monosubstituted Benzene Liquids Studied by the Femtosecond Optical Kerr Effect. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4223-4235.	1.1	79
148	Orientational Phase Transitions in Merocyanine Monolayers on Acidic Aqueous Subphases. <i>Langmuir</i> , 2000, 16, 2893-2898.	1.6	7
149	LDS-750 as a probe of solvation dynamics: a femtosecond time-resolved fluorescence study in liquid aniline. <i>Chemical Physics Letters</i> , 1999, 303, 209-217.	1.2	18
150	Optically Induced Second Harmonic Generation by Six-wave Mixing: A Novel Probe of Solute Orientational Dynamics. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3830-3836.	1.1	21
151	Comparative Study of the Primary Photochemical Mechanisms of Nitric Oxide and Carbonyl Sulfide on Ag(111). <i>Journal of Physical Chemistry B</i> , 1999, 103, 7480-7488.	1.2	26
152	Femtosecond dynamics of thin films by six-wave mixing. <i>Chemical Physics Letters</i> , 1998, 285, 321-329.	1.2	13
153	A quantum electrodynamic treatment of second harmonic generation through phase conjugate six-wave mixing: Polarization analysis. <i>Journal of Chemical Physics</i> , 1998, 109, 10580-10586.	1.2	16
154	Five-wave mixing in molecular fluids. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 5609-5619.	0.6	12
155	Femtosecond polarisability anisotropy relaxation and solvation dynamics The cases of aniline and methanol. <i>Faraday Discussions</i> , 1997, 108, 35-50.	1.6	21
156	Ultrafast Optical Kerr Effect and Solvation Dynamics of Liquid Aniline. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3641-3645.	1.1	41
157	Ultrafast Dynamics of Liquid Anilines Studied by the Optical Kerr Effect. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9578-9586.	1.1	71
158	Deuterium isotope effects on ultrafast polarisability anisotropy relaxation in methanol. <i>Chemical Physics Letters</i> , 1997, 281, 27-34.	1.2	46
159	Enhanced photodesorption of NO on roughened silver surfaces. <i>Chemical Physics Letters</i> , 1996, 262, 142-150.	1.2	22
160	Picosecond Dynamics of Adsorbed Dyes: A Time-Resolved Surface Second-Harmonic Generation Study of Rhodamine 110 on Silica. <i>The Journal of Physical Chemistry</i> , 1996, 100, 3323-3329.	2.9	18
161	Picosecond dynamics of torsional motion in malachite green adsorbed on silica. A time-resolved surface second harmonic generation study. <i>Chemical Physics Letters</i> , 1993, 202, 57-64.	1.2	25
162	KINETIC APPLICATIONS OF SURFACE NONLINEAR OPTICAL SIGNALS. <i>Advances in Multi-photon Processes and Spectroscopy</i> , 1993, , 281-341.	0.6	3

#	ARTICLE	IF	CITATIONS
163	The inhomogeneous broadening of the electronic spectra of dyes in glycerol solution. A time-resolved fluorescence study. <i>Chemical Physics Letters</i> , 1992, 197, 537-541.	1.2	15
164	THE PHOTOREACTION OF A RHODAMINE 6G MONOLAYER ADSORBED ON QUARTZ STUDIED BY SURFACE SECOND HARMONIC GENERATION. <i>Photochemistry and Photobiology</i> , 1991, 53, 627-632.	1.3	10
165	Picosecond dynamics at the solid-liquid interface: a total internal reflection time-resolved surface second-harmonic generation study. <i>Chemical Physics Letters</i> , 1990, 174, 423-427.	1.2	49
166	Time-resolved surface second harmonic generation: a test of the method and its application to picosecond isomerization in adsorbates. <i>The Journal of Physical Chemistry</i> , 1990, 94, 4913-4920.	2.9	35
167	Picosecond dynamics of adsorbates by time-resolved surface second-harmonic generation. <i>Chemical Physics Letters</i> , 1989, 154, 20-24.	1.2	22
168	Time-resolved fluorescence of p-dimethylaminobenzonitrile in mixed solvents. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1987, 83, 1941.	1.1	21
169	Fluorescence properties of ergosterol. <i>Journal of Photochemistry and Photobiology</i> , 1985, 30, 207-214.	0.6	21
170	Complex kinetics of a* state formation in the DMABN-ethanol system. <i>Chemical Physics Letters</i> , 1985, 116, 262-267.	1.2	27
171	Evidence for a very early intermediate in bacterial photosynthesis. A photon-echo and hole-burning study of the primary donor band in <i>Rhodospseudomonas sphaeroides</i> . <i>Chemical Physics Letters</i> , 1985, 121, 287-292.	1.2	122
172	The application of fluorescence decay measurements in studies of biological systems. <i>IEEE Journal of Quantum Electronics</i> , 1984, 20, 1343-1352.	1.0	18
173	The refractive index correction to the radiative rate constant in fluorescence lifetime measurements. <i>Chemical Physics Letters</i> , 1983, 94, 137-140.	1.2	61
174	On the nature of the fluorescent state of methylated indole derivatives. <i>Chemical Physics</i> , 1983, 80, 317-328.	0.9	120
175	Photophysics of some common fluorescence standards. <i>Journal of Photochemistry and Photobiology</i> , 1983, 23, 193-217.	0.6	717
176	Standards for nanosecond fluorescence decay time measurements. <i>Analytical Chemistry</i> , 1983, 55, 68-73.	3.2	181
177	Photophysics of 1-aminonaphthalenes. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1983, 79, 1563.	1.1	65
178	Complex fluorescence decay of quinine bisulphate in aqueous sulphuric acid solution. <i>Chemical Physics Letters</i> , 1982, 88, 22-26.	1.2	44
179	Time-resolved emission spectroscopy of 1,3-dimethyl indole in n-butanol. <i>Chemical Physics Letters</i> , 1982, 92, 523-527.	1.2	14
180	Time-resolved emission spectroscopy of the dansyl fluorescence probe. <i>Biochemistry</i> , 1981, 20, 5381-5389.	1.2	77

#	ARTICLE	IF	CITATIONS
181	ON THE CONSTRUCTION OF NANOSECOND TIME-RESOLVED EMISSION SPECTRA. Photochemistry and Photobiology, 1981, 33, 159-172.	1.3	35
182	Synchronously pumped dye lasers in fluorescence decay measurements of molecular motion. Journal of Photochemistry and Photobiology, 1981, 17, 427-433.	0.6	9
183	Ultrafast reaction dynamics in nanoscale water droplets confined by ionic surfactants. Faraday Discussions, 0, 145, 185-203.	1.6	25