

Stephen E Bradforth

List of Publications by Year in descending order

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144
papers

10,349
citations

22153

59
h-index

33894

99
g-index

146
all docs

146
docs citations

146
times ranked

9749
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Water in Electron-Initiated Processes and Radical Chemistry: Issues and Scientific Advances. <i>Chemical Reviews</i> , 2005, 105, 355-390.	47.7	560
2	Electronic Excitation Transfer in the LH2 Complex of <i>Rhodobacter sphaeroides</i> . <i>The Journal of Physical Chemistry</i> , 1996, 100, 6825-6834.	2.9	303
3	Photophysics of dopamine-modified quantum dots and effects on biological systems. <i>Nature Materials</i> , 2006, 5, 409-417.	27.5	303
4	Vibrationally resolved spectra of C ₂ ⁺ C ₁₁ by anion photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1991, 95, 8753-8764.	3.0	302
5	Excitation Transfer in the Core Light-Harvesting Complex (LH-1) of <i>Rhodobacter sphaeroides</i> : An Ultrafast Fluorescence Depolarization and Annihilation Study. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16179-16191.	2.9	295
6	Efficient Singlet Fission Discovered in a Disordered Acene Film. <i>Journal of the American Chemical Society</i> , 2012, 134, 6388-6400.	13.7	275
7	Photoelectron spectroscopy of CN ⁺ , NCO ⁺ , and NCS ⁺ . <i>Journal of Chemical Physics</i> , 1993, 98, 800-810.	3.0	261
8	The Transition State of the F + H ₂ Reaction. <i>Science</i> , 1993, 262, 1852-1855.	12.6	256
9	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. <i>Journal of the American Chemical Society</i> , 2016, 138, 617-627.	13.7	248
10	“Quick-Silver” from a Systematic Study of Highly Luminescent, Two-Coordinate, d ^{>10} Coinage Metal Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 8616-8626.	13.7	187
11	The ejection distribution of solvated electrons generated by the one-photon photodetachment of aqueous I ⁻ and two-photon ionization of the solvent. <i>Journal of Chemical Physics</i> , 2000, 113, 6288-6307.	3.0	184
12	Photophysical Properties of Biologically Compatible CdSe Quantum Dot Structures. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9996-10003.	2.6	183
13	Examination of the 2A ⁺ and 2E ⁻ states of NO ₃ by ultraviolet photoelectron spectroscopy of NO ⁺ ₃ . <i>Journal of Chemical Physics</i> , 1991, 94, 1740-1751.	3.0	171
14	Photoelectron spectroscopy of liquid water and aqueous solution: Electron effective attenuation lengths and emission-angle anisotropy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 177, 60-70.	1.7	164
15	Femtosecond Wavepacket Spectroscopy: Influence of Temperature, Wavelength, and Pulse Duration. <i>The Journal of Physical Chemistry</i> , 1995, 99, 2594-2608.	2.9	163
16	Singlet and Triplet Excitation Management in a Bichromophoric Near-Infrared-Phosphorescent BODIPY-Benzoporphyrin Platinum Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 88-96.	13.7	147
17	Symmetry-breaking intramolecular charge transfer in the excited state of meso-linked BODIPY dyads. <i>Chemical Communications</i> , 2012, 48, 284-286.	4.1	137
18	Ionization Energies of Aqueous Nucleic Acids: Photoelectron Spectroscopy of Pyrimidine Nucleosides and ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2009, 131, 6460-6467.	13.7	134

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19	The Ultrafast Dynamics of Photodetachment. Annual Review of Physical Chemistry, 2008, 59, 203-231.	10.8	132
20	Photoelectron Angular Distributions from Liquid Water: Effects of Electron Scattering. Physical Review Letters, 2013, 111, 173005.	7.8	132
21	Map for the Relaxation Dynamics of Hot Photoelectrons Injected into Liquid Water via Anion Threshold Photodetachment and above Threshold Solvent Ionization. Journal of Physical Chemistry A, 2001, 105, 1711-1723.	2.5	129
22	Vibronic Structure in Room Temperature Photoluminescence of the Halide Perovskite Cs ₃ Bi ₂ Br ₉ . Inorganic Chemistry, 2017, 56, 42-45.	4.0	129
23	Linker-Dependent Singlet Fission in Tetracene Dimers. Journal of the American Chemical Society, 2018, 140, 10179-10190.	13.7	129
24	Study of halogen-carbon dioxide clusters and the fluoroformyloxyl radical by photodetachment of X ⁻ (CO ₂) (X=I,Cl,Br) and FCO ⁻ . Journal of Chemical Physics, 1995, 102, 3493-3509.	3.0	125
25	Flowing liquid sample jet for resonance Raman and ultrafast optical spectroscopy. Review of Scientific Instruments, 2003, 74, 4958-4960.	1.3	125
26	Internal conversion and energy transfer dynamics of spheroidene in solution and in the LH-1 and LH-2 light-harvesting complexes. Chemical Physics Letters, 1996, 259, 381-390.	2.6	123
27	University learning: Improve undergraduate science education. Nature, 2015, 523, 282-284.	27.8	122
28	Femtosecond dynamics of photodetachment of the iodide anion in solution: resonant excitation into the charge-transfer-to-solvent state. Chemical Physics Letters, 1998, 298, 120-128.	2.6	121
29	Study of HCO ₂ and DCO ₂ by negative ion photoelectron spectroscopy. Journal of Chemical Physics, 1995, 103, 7801-7814.	3.0	119
30	Excited States of Iodide Anions in Water: A Comparison of the Electronic Structure in Clusters and in Bulk Solution. Journal of Physical Chemistry A, 2002, 106, 1286-1298.	2.5	119
31	Wavelength dependence of ultraviolet radiation-induced DNA damage as determined by laser irradiation suggests that cyclobutane pyrimidine dimers are the principal DNA lesions produced by terrestrial sunlight. FASEB Journal, 2011, 25, 3079-3091.	0.5	118
32	Experimental and theoretical studies of the F+H ₂ transition state region via photoelectron spectroscopy of FH ⁻ . Journal of Chemical Physics, 1993, 99, 6345-6359.	3.0	114
33	First-Principle Protocol for Calculating Ionization Energies and Redox Potentials of Solvated Molecules and Ions: Theory and Application to Aqueous Phenol and Phenolate. Journal of Physical Chemistry B, 2012, 116, 7269-7280.	2.6	113
34	Electron Binding Energies of Aqueous Alkali and Halide Ions: EUV Photoelectron Spectroscopy of Liquid Solutions and Combined Ab Initio and Molecular Dynamics Calculations. Journal of the American Chemical Society, 2005, 127, 7203-7214.	13.7	111
35	Excitation-energy dependence of the mechanism for two-photon ionization of liquid H ₂ O and D ₂ O from 8.3 to 12.4 eV. Journal of Chemical Physics, 2006, 125, 044515.	3.0	108
36	Improving Open Circuit Potential in Hybrid P3HT:CdSe Bulk Heterojunction Solar Cells via Colloidal tert-Butylthiol Ligand Exchange. ACS Nano, 2012, 6, 4222-4230.	14.6	105

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37	Symmetry-Breaking Charge Transfer of Visible Light Absorbing Systems: Zinc Dipyrrins. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21834-21845.	3.1	103
38	On the nature and origin of dicationic, charge-separated species formed in liquid water on X-ray irradiation. <i>Nature Chemistry</i> , 2013, 5, 590-596.	13.6	101
39	Electron Binding Energies of Hydrated H ₃ O ⁺ and OH ⁻ : Å Photoelectron Spectroscopy of Aqueous Acid and Base Solutions Combined with Electronic Structure Calculations. <i>Journal of the American Chemical Society</i> , 2006, 128, 3864-3865.	13.7	93
40	Study of I ⁻ (CO ₂) _n , Br ⁻ (CO ₂) _n , and I ⁻ (N ₂ O) _n clusters by anion photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1995, 102, 3510-3518.	3.0	92
41	Chasing charge localization and chemical reactivity following photoionization in liquid water. <i>Journal of Chemical Physics</i> , 2011, 135, 224510.	3.0	90
42	Rotational Coherence and a Sudden Breakdown in Linear Response Seen in Room-Temperature Liquids. <i>Science</i> , 2006, 311, 1907-1911.	12.6	89
43	Charge localization and Jahn-Teller distortions in the benzene dimer cation. <i>Journal of Chemical Physics</i> , 2008, 129, 074104.	3.0	88
44	Benchmark full configuration interaction and equation-of-motion coupled-cluster model with single and double substitutions for ionized systems results for prototypical charge transfer systems: Noncovalent ionized dimers. <i>Journal of Chemical Physics</i> , 2007, 127, 164110.	3.0	85
45	Electronic Structure of the Water Dimer Cation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6159-6170.	2.5	84
46	Symmetry-Breaking Charge Transfer in a Zinc Chlorodipyrrin Acceptor for High Open Circuit Voltage Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 2015, 137, 5397-5405.	13.7	82
47	Valence Electronic Structure of Aqueous Solutions: Insights from Photoelectron Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 283-305.	10.8	78
48	Excited state dynamics of liquid water: Insight from the dissociation reaction following two-photon excitation. <i>Journal of Chemical Physics</i> , 2007, 126, 164503.	3.0	74
49	Examination of the Br+HI, Cl+HI, and F+HI hydrogen abstraction reactions by photoelectron spectroscopy of BrHI ⁻ , ClHI ⁻ , and FHI ⁻ . <i>Journal of Chemical Physics</i> , 1990, 92, 7205-7222.	3.0	71
50	Ionization of Purine Tautomers in Nucleobases, Nucleosides, and Nucleotides: From the Gas Phase to the Aqueous Environment. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1294-1305.	2.6	71
51	Contrasting the excited state reaction pathways of phenol and para-methylthiophenol in the gas and liquid phases. <i>Faraday Discussions</i> , 2012, 157, 141.	3.2	71
52	Iodide-Passivated Colloidal PbS Nanocrystals Leading to Highly Efficient Polymer:Nanocrystal Hybrid Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 1897-1906.	6.7	71
53	Interfacial Charge Transfer between CdTe Quantum Dots and Gram Negative Vs Gram Positive Bacteria. <i>Environmental Science & Technology</i> , 2010, 44, 1464-1470.	10.0	70
54	Oxidation Half-Reaction of Aqueous Nucleosides and Nucleotides via Photoelectron Spectroscopy Augmented by ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2015, 137, 201-209.	13.7	69

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55	Comparing molecular photofragmentation dynamics in the gas and liquid phases. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6567.	2.8	68
56	Fused Porphyrin-Single-Walled Carbon Nanotube Hybrids: Efficient Formation and Photophysical Characterization. <i>ACS Nano</i> , 2013, 7, 3466-3475.	14.6	67
57	Time-resolved scavenging and recombination dynamics from I ⁺ caged pairs. <i>Journal of Chemical Physics</i> , 2002, 117, 766-778.	3.0	65
58	Tunable 30-femtosecond pulses across the deep ultraviolet. <i>Applied Physics Letters</i> , 2005, 87, 021107.	3.3	61
59	Electronic structure of the benzene dimer cation. <i>Journal of Chemical Physics</i> , 2007, 127, 044317.	3.0	61
60	Investigation of the F+H ₂ transition state region via photoelectron spectroscopy of the FH ⁻² anion. <i>Journal of Chemical Physics</i> , 1990, 93, 5352-5353.	3.0	59
61	Ultrafast dynamics for electron photodetachment from aqueous hydroxide. <i>Journal of Chemical Physics</i> , 2004, 120, 11712-11725.	3.0	59
62	Controlling the Trap State Landscape of Colloidal CdSe Nanocrystals with Cadmium Halide Ligands. <i>Chemistry of Materials</i> , 2015, 27, 744-756.	6.7	58
63	Electronic structure of liquid water from polarization-dependent two-photon absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 130, 084501.	3.0	57
64	Observation of the A ¹ Σ^+ (2B ₂) and C ¹ Σ^+ (2A ₂) states of NO ₂ by negative ion photoelectron spectroscopy of NO ⁻² . <i>Journal of Chemical Physics</i> , 1989, 90, 2070-2071.	3.0	54
65	Broadband Spectral Probing Revealing Ultrafast Photochemical Branching after Ultraviolet Excitation of the Aqueous Phenolate Anion. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3807-3819.	2.5	54
66	Anion photoelectron spectroscopy of iodine-carbon dioxide clusters. <i>Journal of Chemical Physics</i> , 1992, 97, 9468-9471.	3.0	52
67	Transition State Spectroscopy of Bimolecular Reactions Using Negative Ion Photodetachment. <i>Advances in Chemical Physics</i> , 2007, , 1-61.	0.3	52
68	Symmetry-Breaking Charge Transfer in Boron Dipyrdimethene (DIPYR) Dimers. <i>ACS Applied Energy Materials</i> , 2018, 1, 1083-1095.	5.1	52
69	Electron Photodetachment from Aqueous Anions. 3. Dynamics of Geminate Pairs Derived from Photoexcitation of Mono- vs Polyatomic Anions. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9071-9078.	2.5	51
70	Photodissociation of ICN in polar solvents: Evidence for long lived rotational excitation in room temperature liquids. <i>Journal of Chemical Physics</i> , 2003, 119, 4500-4515.	3.0	49
71	Electronic structure of aqueous solutions: Bridging the gap between theory and experiments. <i>Science Advances</i> , 2017, 3, e1603210.	10.3	49
72	Transforming Anion Instability into Stability: Contrasting Photoionization of Three Protonation Forms of the Phosphate Ion upon Moving into Water. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13254-13264.	2.6	48

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73	Chalcogenol Ligand Toolbox for CdSe Nanocrystals and Their Influence on Exciton Relaxation Pathways. <i>ACS Nano</i> , 2014, 8, 2512-2521.	14.6	48
74	Photoenhancement of lifetimes in CdSe/ZnS and CdTe quantum dot-dopamine conjugates. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4298.	2.8	47
75	Aqueous Colloidal Acene Nanoparticles: A New Platform for Studying Singlet Fission. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15519-15526.	2.6	47
76	Exploring Autoionization and Photoinduced Proton-Coupled Electron Transfer Pathways of Phenol in Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4159-4164.	4.6	47
77	Photoelectron spectra of alkali metal-ammonia microjets: From blue electrolyte to bronze metal. <i>Science</i> , 2020, 368, 1086-1091.	12.6	47
78	Characterization and Fluorescence of Macrocyclic Polystyrene by Anionic End to End Coupling. Role of Coupling Reagents. <i>Macromolecules</i> , 2002, 35, 3856-3865.	4.8	46
79	Symmetry breaking charge transfer as a means to study electron transfer with no driving force. <i>Faraday Discussions</i> , 2019, 216, 379-394.	3.2	46
80	Nuclear uptake of ultrasmall gold-doxorubicin conjugates imaged by fluorescence lifetime imaging microscopy (FLIM) and electron microscopy. <i>Nanoscale</i> , 2015, 7, 240-251.	5.6	45
81	Manipulating Triplet Yield through Control of Symmetry-Breaking Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3264-3270.	4.6	44
82	Experimental and theoretical study of the O+HCl transition state region by photodetachment of OHCl ⁻ . <i>Journal of Chemical Physics</i> , 1994, 101, 4708-4721.	3.0	42
83	Observation of Triplet Exciton Formation in a Platinum-Sensitized Organic Photovoltaic Device. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 48-54.	4.6	41
84	Electron Photodetachment from Aqueous Anions. 2. Ionic Strength Effect on Geminate Recombination Dynamics and Quantum Yield for Hydrated Electron. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10414-10425.	2.5	40
85	The dynamical role of solvent on the ICN photodissociation reaction: connecting experimental observables directly with molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8269.	2.8	39
86	Linking photochemistry in the gas and solution phase: S-H bond fission in p-methylthiophenol following UV photoexcitation. <i>Faraday Discussions</i> , 2011, 150, 439.	3.2	38
87	Ultrafast Hybridization Screening in Fe ³⁺ Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2011, 133, 12528-12535.	13.7	38
88	Photoluminescence of cerium fluoride and cerium-doped lanthanum fluoride nanoparticles and investigation of energy transfer to photosensitizer molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12441-12453.	2.8	38
89	Solvent effects on geminate recombination dynamics after photodetachment. <i>Radiation Physics and Chemistry</i> , 2005, 72, 159-167.	2.8	36
90	Unexpectedly Small Effect of the DNA Environment on Vertical Ionization Energies of Aqueous Nucleobases. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3766-3769.	4.6	36

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91	Degree of Initial Hole Localization/Delocalization in Ionized Water Clusters. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4423-4429.	2.5	35
92	Direct Spectroscopic Evidence of Ultrafast Electron Transfer from a Low Band Gap Polymer to CdSe Quantum Dots in Hybrid Photovoltaic Thin Films. <i>Journal of the American Chemical Society</i> , 2013, 135, 18418-18426.	13.7	34
93	Hydrogen Forms in Water by Proton Transfer to a Distorted Electron. <i>Journal of Physical Chemistry B</i> , 2010, 114, 915-920.	2.6	33
94	Nonresonant ionization of oxygen molecules by femtosecond pulses: Plasma dynamics studied by time-resolved terahertz spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 104310.	3.0	32
95	Absence of a Signature of Aqueous I(2P1/2) after 200-nm Photodetachment of I-(aq). <i>Journal of Physical Chemistry A</i> , 2006, 110, 10947-10955.	2.5	32
96	Electron photodetachment from [Fe(CN)6]4 ⁻ : photoelectron relaxation and geminate recombination. <i>Chemical Physics Letters</i> , 2001, 342, 277-286.	2.6	30
97	Valence and Core-Level X-ray Photoelectron Spectroscopy of a Liquid Ammonia Microjet. <i>Journal of the American Chemical Society</i> , 2019, 141, 1838-1841.	13.7	28
98	Probing the Electronic Structure of Bulk Water at the Molecular Length Scale with Angle-Resolved Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5162-5170.	4.6	27
99	Synthesis and Spectroscopy of Poly(9,9-dihexylfluorene-2,7-diyl-co-9,9-dihexylfluorene-3,6-diyl)s and Their Model Oligomers. <i>Macromolecules</i> , 2009, 42, 6440-6447.	4.8	23
100	Exploring Redox Properties of Aromatic Amino Acids in Water: Contrasting Single Photon vs Resonant Multiphoton Ionization in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3723-3733.	2.6	23
101	Investigation of Macrocyclic Polymers as Artificial Light Harvesters: Subpicosecond Energy Transfer in Poly(9,9-dimethyl-2-vinylfluorene). <i>Journal of Physical Chemistry B</i> , 2008, 112, 16367-16381.	2.6	22
102	Gires-Tournois interferometer type negative dispersion mirrors for deep ultraviolet pulse compression. <i>Optics Express</i> , 2010, 18, 18615.	3.4	22
103	Spectroscopy of the Cyano Radical in an Aqueous Environment. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4854-4865.	2.5	21
104	Synthesis and characterization of biologically stable, doped LaF3 nanoparticles co-conjugated to PEG and photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 26-34.	3.9	20
105	Controlling Symmetry Breaking Charge Transfer in BODIPY Pairs. <i>Accounts of Chemical Research</i> , 2022, 55, 1561-1572.	15.6	19
106	New Insights into the Charge-Transfer-to-Solvent Spectrum of Aqueous Iodide: Surface versus Bulk. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1656-1661.	4.6	18
107	Spectroscopic evidence for a gold-coloured metallic water solution. <i>Nature</i> , 2021, 595, 673-676.	27.8	16
108	Exploring the Energy Disposal Immediately After Bond-Breaking in Solution: The Wavelength-Dependent Excited State Dissociation Pathways of <i>p</i> -Methylthiophenol. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12125-12137.	2.5	15

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109	Effects of interfacial ligand type on hybrid P3HT:CdSe quantum dot solar cell device parameters. <i>Journal of Chemical Physics</i> , 2019, 151, 074704.	3.0	15
110	Role of the Perfluoro Effect in the Selective Photochemical Isomerization of Hexafluorobenzene. <i>Journal of the American Chemical Society</i> , 2021, 143, 7002-7012.	13.7	15
111	The influence of aqueous solvent on the electronic structure and non-adiabatic dynamics of indole explored by liquid-jet photoelectron spectroscopy. <i>Faraday Discussions</i> , 2018, 212, 359-381.	3.2	15
112	Effects of β -Mercaptoethanol on Quantum Dot Emission Evaluated from Photoluminescence Decays. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2728-2739.	3.1	13
113	Ultraviolet Absorption and Fluorescence Emission Spectroscopic Studies of Macrocyclic and Linear Poly(9,9-dimethyl-2-vinylfluorene). Evidence for Ground-State Chromophore Interactions. <i>Macromolecules</i> , 2003, 36, 9966-9970.	4.8	11
114	Differential effects of β -mercaptoethanol on CdSe/ZnS and InP/ZnS quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10418.	2.8	10
115	Broadband transient infrared laser spectroscopy of trifluorovinyl radical C ₂ F ₃ .: experimental and ab initio results. <i>The Journal of Physical Chemistry</i> , 1991, 95, 2932-2937.	2.9	9
116	Deeply cooled and temperature controlled microjets: Liquid ammonia solutions released into vacuum for analysis by photoelectron spectroscopy. <i>Review of Scientific Instruments</i> , 2020, 91, 043101.	1.3	9
117	Electron Photodetachment in Solution. <i>ACS Symposium Series</i> , 2002, , 108-121.	0.5	8
118	Photoionization of atmospheric gases studied by time-resolved terahertz spectroscopy. <i>Chemical Physics Letters</i> , 2008, 465, 20-24.	2.6	7
119	Emission of Macrocyclic and Linear Poly(2-vinylnaphthalene): Observation of Two Excimer Populations in Macrocycles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10244-10256.	3.1	7
120	Electronic Structure of Liquid Methanol and Ethanol from Polarization-Dependent Two-Photon Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5789-5804.	2.5	7
121	Photon quenching in InGaN quantum well light emitting devices. <i>Applied Physics Letters</i> , 2013, 103, 041123.	3.3	6
122	Quantifying Charge Recombination in Solar Cells Based on Donor-Acceptor P3HT Analogues. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6650-6660.	3.1	6
123	Defects Cause Subgap Luminescence from a Crystalline Tetracene Derivative. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5993-6001.	4.6	6
124	Scintillation Yield Estimates of Colloidal Cerium-Doped LaF ₃ Nanoparticles and Potential for Deep PDT. <i>Radiation Research</i> , 2018, 190, 28.	1.5	6
125	Lanthanum fluoride nanoparticles for radiosensitization of tumors. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
126	Molecules in confinement in clusters, quantum solvents and matrices: general discussion. <i>Faraday Discussions</i> , 2018, 212, 569-601.	3.2	4

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127	Photo-protection/photo-damage in natural systems: general discussion. Faraday Discussions, 2019, 216, 538-563.	3.2	4
128	Labeling of subcellular redox potential with dopamine-conjugated quantum dots. , 2006, 6096, 100.		3
129	Photoenhancement of quantum dots and conjugates measured by time-resolved spectroscopy. , 2009, , .		3
130	Tracking State-to-State Bimolecular Reaction Dynamics in Solution. Science, 2011, 331, 1398-1399.	12.6	3
131	Electronic Structure of Liquid Alkanes: A Representative Case of Liquid Hexanes and Cyclohexane Studied Using Polarization-Dependent Two-Photon Absorption Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 7988-7999.	2.5	2
132	Decoupling inter- and intra-dimer singlet fission. , 2017, , .		2
133	Ultrafast electron transfer from low band gap conjugated polymer to quantum dots in hybrid photovoltaic materials. , 2014, , .		1
134	On The Possibility of Combining Radiotherapy and Photodynamic Therapy. , 2014, , .		1
135	Deconvoluting contributions of photoexcited species in polymer-quantum dot hybrid photovoltaic materials. Journal of Photonics for Energy, 2015, 5, 057404.	1.3	1
136	Evidence of energy transfer in nanoparticle-porphyrins conjugates for radiation therapy enhancement. Proceedings of SPIE, 2015, , .	0.8	1
137	Precise characterisation of isolated molecules: general discussion. Faraday Discussions, 2018, 212, 137-155.	3.2	1
138	Molecules in confinement in liquid solvents: general discussion. Faraday Discussions, 2018, 212, 383-397.	3.2	1
139	Femtosecond Study of Electron Photodetachment from Complex Anions: Fe(CN) ₆ ⁴⁻ and CuBr ₂ ⁻ in H ₂ O. Springer Series in Chemical Physics, 2001, , 476-478.	0.2	1
140	Tribute to Curt Wittig. Journal of Physical Chemistry A, 2013, 117, 11605-11607.	2.5	0
141	Absolute polaron yield of donor-acceptor P3HT:fullerene bulk heterojunction composites. , 2015, , .		0
142	Photo-induced electron transfer: general discussion. Faraday Discussions, 2019, 216, 434-459.	3.2	0
143	Tracking Photoionization and Photodetachment Processes in Liquid Water. , 2007, , .		0
144	Rationalizing the Surface Structure of CsPbBr ₃ Perovskite QDs upon Post-synthesis Surface Treatments by Solid-State NMR Spectroscopy. , 0, , .		0