

Ultrafast Photochemistry in Liquids

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Proton Transfer in Nucleobases is Mediated by Water. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6789-6797.	1.1	43
2	Real-Time Observation of the Formation of Excited Radical Ions in Bimolecular Photoinduced Charge Separation: Absence of the Marcus Inverted Region Explained. <i>Journal of the American Chemical Society</i> , 2013, 135, 9843-9848.	6.6	56
3	Ultrafast Conformational Dynamics of Electron Transfer in ExBox ⁴⁺ , Perylene. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12438-12448.	1.1	137
4	A microfluidic flow-cell for the study of the ultrafast dynamics of biological systems. <i>Review of Scientific Instruments</i> , 2014, 85, 103118.	0.6	11
5	Vibrational Cooling Dynamics of a [FeFe]-Hydrogenase Mimic Probed by Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11529-11540.	1.1	20
6	Analysis of transformations of the ultrafast electron transfer photoreaction mechanism in liquid solutions by the rate distribution approach. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 770-780.	1.6	4
7	Investigating the Effects of Solvent on the Ultrafast Dynamics of a Photoreversible Ruthenium Sulfoxide Complex. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10425-10432.	1.1	8
8	Bimolecular photoinduced electron transfer reactions in liquids under the gaze of ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25741-25754.	1.3	36
9	Excitation wavelength dependence of the charge separation pathways in tetraporphyrin-naphthalene diimide pentads. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5188.	1.3	29
10	Femtosecond and Temperature-Dependent Picosecond Dynamics of Ultrafast Excited-State Proton Transfer in Water/Dioxane Mixtures. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10448-10455.	1.1	16
11	Spectroelectrochemical identification of charge-transfer excited states in transition metal-based polypyridyl complexes. <i>Dalton Transactions</i> , 2014, 43, 17635-17646.	1.6	75
12	Characterization of a Conical Intersection in a Charge-Transfer Dimer with Two-Dimensional Time-Resolved Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4955-4965.	1.1	63
13	Quantum Dynamics of a Photochemical Bond Cleavage Influenced by the Solvent Environment: A Dynamic Continuum Approach. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3480-3485.	2.1	18
14	Excitation Wavelength Dependence of the Dynamics of Bimolecular Photoinduced Electron Transfer Reactions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1685-1690.	2.1	23
15	Studying the Dynamics of Photochemical Reactions via Ultrafast Time-Resolved Infrared Spectroscopy of the Local Solvent. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2974-2978.	2.1	10
16	Excited-State Dynamics of an Environment-Sensitive Push-Pull Diketopyrrolopyrrole: Major Differences between the Bulk Solution Phase and the Dodecane/Water Interface. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9952-9963.	1.2	37
17	Exciplex Formation in Bimolecular Photoinduced Electron-Transfer Investigated by Ultrafast Time-Resolved Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 4066-4074.	6.6	71
18	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. <i>Journal of the American Chemical Society</i> , 2014, 136, 4605-4615.	6.6	41

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20	Electron attachment to some naphthoquinone derivatives: long-lived molecular anion formation. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1580-1590.	0.7	36
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22	Sub-phonon-period compression of electron pulses for atomic diffraction. <i>Nature Communications</i> , 2015, 6, 8723.	5.8	73
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27	Ultrafast Intersystem-Crossing Dynamics and Breakdown of the Kasha's Vavilov's Rule of Naphthalenediimides. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2096-2100.	2.1	69
28	Photoinduced Bimolecular Electron Transfer from Cyano Anions in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14790-14799.	1.2	21
29	Photoinduced triplet-state electron transfer of platinum porphyrin: a one-step direct method for sensing iodide with an unprecedented detection limit. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6733-6738.	5.2	33
30	Competition and Interplay of Various Intermolecular Interactions in Ultrafast Excited-State Proton and Electron Transfer Reactions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2444-2453.	1.2	12
31	Time-Resolved Study of 1,8-Naphthalic Anhydride and 1,4,5,8-Naphthalene-tetracarboxylic Dianhydride. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6006-6016.	1.1	9
32	Direct observation of bond formation in solution with femtosecond X-ray scattering. <i>Nature</i> , 2015, 518, 385-389.	13.7	207
33	UV-Induced Isomerization Dynamics of <i>N</i> -Methyl-2-pyridone in Solution. <i>Journal of Physical Chemistry A</i> , 2015, 119, 88-94.	1.1	10
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38	Control over Excited State Intramolecular Proton Transfer and Photoinduced Tautomerization: Influence of the Hydrogenâ€Bond Geometry. <i>Chemistry - A European Journal</i> , 2015, 21, 6362-6366.	1.7	58
39	Dynamics of Bimolecular Reactions in Solution. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 119-141.	4.8	32
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41	Bimolecular Excited-State Electron Transfer with Surprisingly Long-Lived Radical Ions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21896-21903.	1.5	16
42	Bimodal Exciplex Formation in Bimolecular Photoinduced Electron Transfer Revealed by Ultrafast Time-Resolved Infrared Absorption. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11846-11857.	1.2	49
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45	Polarization Dependent Time-Resolved Infrared Spectroscopy and Its Applications. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 1-9.	0.6	4
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47	Molecular dynamics and simulations study on the vibrational and electronic solvatochromism of benzophenone. <i>Journal of Chemical Physics</i> , 2016, 144, 064302.	1.2	21
48	Non-equilibrium effects in ultrafast photoinduced charge transfer kinetics. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 29, 48-72.	5.6	39
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51	Ultrafast Investigation of Intramolecular Charge Transfer and Solvation Dynamics of Tetrahydro[5]-helicene-Based Imide Derivatives. <i>Scientific Reports</i> , 2016, 6, 24313.	1.6	75
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56	Of Excited States Again. , 2016, , 183-203.		0
58	Ultrafast Intramolecular Proton Transfer of Alizarin Investigated by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4129-4136.	1.2	42
59	Ultrafast photo-induced charge transfer of 1-naphthol and 2-naphthol to halocarbon solvents. <i>Chemical Physics Letters</i> , 2017, 683, 49-56.	1.2	8
60	Estimating electron affinity from the lifetime of negative molecular ions: Cycloheptatriene derivatives. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 915-920.	0.1	4
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63	Importance of eigenvector sign consistency in computations of expectation values via mixed quantum-classical surface-hopping dynamics. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	0.5	6
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68	On the Non-metallicity of 2.2-...nm Au ₂₄₆ (SR) ₈₀ Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16257-16261.	7.2	61
69	Breaking the Kasha Rule for More Efficient Photochemistry. <i>Chemical Reviews</i> , 2017, 117, 13353-13381.	23.0	285
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77	Principals of simulation of ultrafast charge transfer in solution within the multichannel stochastic point-transition model. <i>Computer Physics Communications</i> , 2017, 210, 172-180.	3.0	17
78	More than a Solvent: Donor–Acceptor Complexes of Ionic Liquids and Electron Acceptors. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2646-2654.	1.2	9
79	Influence of the hydrogen-bond interactions on the excited-state dynamics of a push–pull azobenzene dye: the case of Methyl Orange. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7254-7264.	1.3	27
80	Femtosecond coherent nuclear dynamics of excited tetraphenylethylene: Ultrafast transient absorption and ultrafast Raman loss spectroscopic studies. <i>Journal of Chemical Physics</i> , 2018, 148, 024301.	1.2	30
81	Intermolecular Hydrogen Bonding Controlled Intersystem Crossing Rates of Benzophenone. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1642-1648.	2.1	27
82	Solvent-assisted multistage nonequilibrium electron transfer in rigid supramolecular systems: Diabatic free energy surfaces and algorithms for numerical simulations. <i>Journal of Chemical Physics</i> , 2018, 148, 104107.	1.2	9
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84	Electron–Hole-Pair-Induced Vibrational Energy Relaxation of Rhenium Catalysts on Gold Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 406-412.	2.1	22
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89	Coherent multidimensional spectroscopy of dilute gas-phase nanosystems. <i>Nature Communications</i> , 2018, 9, 4823.	5.8	41
90	Ultrafast Dynamics of a –Super–Photobase. <i>Angewandte Chemie</i> , 2018, 130, 14958-14962.	1.6	7
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96	Contrasting hydration dynamics in DME and DMSO aqueous solutions: A combined optical pump-probe and GHz-THz dielectric relaxation investigation. <i>Journal of Molecular Liquids</i> , 2019, 290, 111194.	2.3	10
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100	Integrating ultrafast and stochastic dynamics studies of Brownian motion in molecular systems and colloidal particles. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 44, 208-219.	3.4	1
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103	Re-Evaluating the Transition State for Reactions in Solution. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 254-266.	1.2	17
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109	Instanton formulation of Fermi's golden rule in the Marcus inverted regime. <i>Journal of Chemical Physics</i> , 2020, 152, 034106.	1.2	27
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111	Solvation Controlled Excited-State Planarization in a Push-Pull Pyrene Dye. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8550-8560.	1.5	13
112	Optical Properties and Excited-State Dynamics of Atomically Precise Gold Nanoclusters. <i>Annual Review of Physical Chemistry</i> , 2021, 72, 121-142.	4.8	40
113	Accurate Molecular Geometries in Complex Excited-State Potential Energy Surfaces from Time-Dependent Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 357-366.	2.3	8
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123	Photo-induced intermolecular electron transfer-effect of acceptor molecular structures. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 772-778.	0.6	6
124	Solvent-dependent photochemical dynamics of a phenoxazine-based photoredox catalyst. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 1475-1494.	1.4	10
125	Intramolecular Proton Transfer in the Excited State (ESIPT) Process: Applications in Fluorescent Probes. <i>Revista Virtual De Quimica</i> , 2016, 8, 466-482.	0.1	0
126	Combining Theory and Experiment for Understanding of Ultrafast Photoinduced Charge-Transfer Processes. <i>Mathematical Physics and Computer Simulation</i> , 2020, , 91-99.	0.2	0
127	Electron-Induced Proton Transfer. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12264-12273.	1.2	7
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132	Coherent Two-Dimensional and Broadband Electronic Spectroscopies. <i>Chemical Reviews</i> , 2022, 122, 4257-4321.	23.0	47
133	Photochemistry of (<i>Z</i>)-Isovinylneoxanthobilirubic Acid Methyl Ester, a Bilirubin Dipyrrinone Subunit: Femtosecond Transient Absorption and Stimulated Raman Emission Spectroscopy. <i>Journal of Organic Chemistry</i> , 2022, 87, 3089-3103.	1.7	3
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136	Probing solvent dependent femtosecond transient coherent oscillations to reveal interfacial dynamics. <i>Journal of Optics (United Kingdom)</i> , 0, , .	1.0	0
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143	Blockade of persistent colored isomer formation in photochromic 3H-naphthopyrans by excited-state intramolecular proton transfer. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
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145	Looking for chiral recognition in photoinduced bimolecular electron transfer using ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 0, , .	1.3	0
146	Two triplet emitting states in one emitter: Near-infrared dual-phosphorescent Au ₂₀ nanocluster. <i>Science Advances</i> , 2023, 9, .	4.7	22
150	Quantitative prediction of excited-state decay rates for radical anion photocatalysts. <i>Chemical Communications</i> , 2023, 59, 9726-9729.	2.2	1
151	Mechanistic Photochemistry and Conical Intersections. , 2024, , 25-54.		0

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