

# Dan Huppert

## List of Publications by Year in descending order

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69  
papers

3,004  
citations

172457

29  
h-index

161849

54  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geminate recombination in excited-state proton-transfer reactions: Numerical solution of the Debye-Smoluchowski equation with backreaction and comparison with experimental results. <i>Journal of Chemical Physics</i> , 1988, 88, 5620-5630.	3.0	352
2	Molecular Rotors: What Lies Behind the High Sensitivity of the Thioflavin-T Fluorescent Marker. <i>Accounts of Chemical Research</i> , 2012, 45, 1548-1557.	15.6	319
3	Geminate recombination in proton-transfer reactions. II. Comparison of diffusional and kinetic schemes. <i>Journal of Chemical Physics</i> , 1988, 88, 5631-5638.	3.0	227
4	Photochemistry of "Super-Photoacids. 2. Excited-State Proton Transfer in Methanol/Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4658-4669.	2.5	154
5	Excited-State Proton Transfer: An Indication of Three Steps in the Dissociation and Recombination Process. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5965-5977.	2.5	140
6	Excited State Proton Transfer in Reverse Micelles. <i>Journal of the American Chemical Society</i> , 2002, 124, 7539-7547.	13.7	139
7	Excited-state proton transfer to methanol-water mixtures. <i>The Journal of Physical Chemistry</i> , 1991, 95, 10407-10413.	2.9	124
8	Ultrafast Direct Photoacid-Base Reaction. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6689-6698.	2.5	106
9	Solvatochromic Shifts of "Super-Photoacids. <i>Journal of the American Chemical Society</i> , 1998, 120, 7981-7982.	13.7	102
10	Photochemistry of "Super-Photoacids. Solvent Effects. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6984-6997.	2.5	100
11	How Fast Can a Proton-Transfer Reaction Be beyond the Solvent-Control Limit?. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2253-2262.	2.6	96
12	Ultrafast Excited-State Proton Transfer from Cyano-Substituted 2-Naphthols. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4602-4605.	2.5	80
13	Solvent dependence of excited-state proton transfer from pyranine-derived photoacids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9104.	2.8	65
14	Ultrafast Excited-State Proton Transfer to the Solvent Occurs on a Hundred-Femtosecond Time-Scale. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3405-3413.	2.5	57
15	Non-Exponential Smoluchowski Dynamics in Fast Acid-Base Reaction. <i>Journal of the American Chemical Society</i> , 2000, 122, 9838-9839.	13.7	51
16	Excited State Proton-Transfer Reactions of Coumarin 4 in Protic Solvents. <i>Journal of Physical Chemistry A</i> , 2001, 105, 7157-7164.	2.5	43
17	Excited-state proton transfer in N-methyl-6-hydroxyquinolinium salts: solvent and temperature effects. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8964.	2.8	42
18	Temperature Dependence of the Fluorescence Properties of Thioflavin-T in Propanol, a Glass-Forming Liquid. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2540-2548.	2.5	39

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19	Ultrafast Excited-State Intermolecular Proton Transfer of Cyanine Fluorochrome Dyes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 85-92.	2.5	37
20	Reversible Excited-State Proton Geminate Recombination: Revisited. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12615-12632.	2.6	37
21	Kinetic Studies of Proton Transfer in the Microenvironment of a Binding Site. <i>FEBS Journal</i> , 1982, 121, 637-642.	0.2	36
22	Excited-State Intramolecular Proton Transfer of the Natural Product Quercetin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10244-10251.	2.6	36
23	Manipulating and Monitoring On-Surface Biological Reactions by Light-Triggered Local pH Alterations. <i>Nano Letters</i> , 2015, 15, 4758-4768.	9.1	35
24	Challenge in Accurate Measurement of Fast Reversible Bimolecular Reaction. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5868-5876.	2.5	33
25	Direct Measurement of Proton Transfer as a Probing Reaction for the Microenvironment of the Apomyoglobin Heme-Binding Site. <i>FEBS Journal</i> , 1982, 125, 175-181.	0.2	32
26	Unusual Temperature Dependence of Excited State Proton Transfer Rates in Alcohols. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2663-2667.	2.5	32
27	Ultrafast Proton Transfer of Three Novel Quinone Cyanine Photoacids. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7353-7363.	2.5	31
28	Excited-State Proton Transfer of Photoacids Adsorbed on Biomaterials. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13859-13869.	2.6	31
29	Temperature Dependence of Excited-State Proton Transfer and Geminate Recombination Processes in Water and in Glycerol-Doped Ice. <i>Israel Journal of Chemistry</i> , 1999, 39, 347-360.	2.3	29
30	Excited-State Proton Transfer of Weak Photoacids Adsorbed on Biomaterials: 8-Hydroxy-1,3,6-pyrenetrisulfonate on Chitin and Cellulose. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1973-1982.	2.5	29
31	Photoprotolytic Processes of Umbelliferone and Proposed Function in Resistance to Fungal Infection. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14683-14696.	2.6	25
32	Excited-State Proton Transfer from the Photoacid 2-Naphthol-8-sulfonate to Acetonitrile/Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6166-6175.	2.5	25
33	Comparison of the rate of excited-state proton transfer from photoacids to alcohols and water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 277, 90-101.	3.9	24
34	Excited-State Proton Transfer from Quinone-Cyanine 9 to Protic Polar-Solvent Mixtures. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1832-1840.	2.5	22
35	Temperature Dependence of the Excited-State Proton-Transfer Reaction of Quinone-cyanine-7. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3925-3934.	2.5	19
36	Proton dissociation dynamics in the aqueous layer of multilamellar phospholipid vesicles. <i>Journal of Membrane Biology</i> , 1990, 118, 225-232.	2.1	18

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37	Comparison of the Photoprotolytic Processes of Three 7-Hydroxycoumarins. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10297-10310.	2.6	18
38	Combined experimental and theoretical study of the photochemistry of 4- and 3-hydroxycoumarin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 338, 23-36.	3.9	16
39	Noncovalent Interactions with Proteins Modify the Physicochemical Properties of a Molecular Switch. <i>ChemPlusChem</i> , 2016, 81, 44-48.	2.8	14
40	Electronic energy transport and trapping on fractals. <i>Journal of Chemical Physics</i> , 1989, 91, 7291-7295.	3.0	13
41	Excitation Transfer in Porous Silicas – A Fractal Approach. <i>Israel Journal of Chemistry</i> , 1989, 29, 473-485.	2.3	13
42	Ultrafast excited-state proton transfer from hydroxycoumarin-dipicolinium cyanine dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 254, 45-53.	3.9	13
43	A fresh look into the time-resolved fluorescence of 8-hydroxy-1,3,6-pyrenetrisulfonate with the use of the fluorescence up-conversion technique. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 344, 15-27.	3.9	13
44	Enhanced Excited-State Proton Transfer via a Mixed Water-Methanol Molecular Bridge of 1-Naphthol-5-Sulfonate in Methanol-Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4704-4716.	2.5	13
45	Azulene Revisited: Picosecond Decay of the $S_1$ State in the Gas Phase and in Solution. <i>Israel Journal of Chemistry</i> , 1977, 16, 277-282.	2.3	11
46	New Phenol Benzoate Cyanine Picolinium Salt Photoacid Excited-State Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3079-3087.	2.5	10
47	Excited-State Proton Transfer in Resveratrol and Proposed Mechanism for Plant Resistance to Fungal Infection. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11684-11694.	2.6	9
48	Enhanced Excited-State Proton Transfer via a Mixed Methanol-Water Molecular Bridge of 1-Naphthol-3,6-disulfonate in Methanol-Water Mixtures. <i>Journal of Physical Chemistry A</i> , 2019, 123, 48-58.	2.5	9
49	Time-resolved emission of retinoic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 258, 30-40.	3.9	8
50	Optical Spectroscopy of Molecular-Rotor Molecules Adsorbed on Cellulose. <i>Journal of Physical Chemistry A</i> , 2014, 118, 8737-8744.	2.5	8
51	Excited-State Proton Transfer of Phenol Cyanine Picolinium Photoacid. <i>ACS Omega</i> , 2018, 3, 2058-2073.	3.5	8
52	Excited-State Proton Transfer and Formation of the Excited Tautomer of 3-Hydroxypyridine-Dipicolinium Cyanine Dye. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6184-6199.	2.5	7
53	Photoprotolytic Processes of Lumazine. <i>Journal of Physical Chemistry B</i> , 2017, 121, 129-142.	2.6	7
54	Anomalous $H_{2O}$ and $D_{2O}$ Excited-State Proton-Transfer Rate in $H_2O/D_2O$ Mixtures. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6917-6924.	2.5	7

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55	Excitation Wavelength Dependence of the Proton-Transfer Reaction of the Green Fluorescent Protein. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4241-4251.	2.6	6
56	Excited-State Proton Transfer of Weak Photoacids Adsorbed on Biomaterials: Proton Transfer on Starch. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9795-9804.	2.6	5
57	Chloro benzoate cyanine picolinium photoacid excited-state proton transfer to water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 230-237.	3.9	5
58	Reversible intermolecular-coupled-intramolecular (RICI) proton transfer occurring on the reaction-radius $\langle r^2 \rangle$ of 2-naphthol-6,8-disulfonate photoacid. <i>Journal of Chemical Physics</i> , 2020, 152, 074205.	3.0	5
59	Intramolecular Excited-State Hydrogen Transfer in Rutin and Quercetin. <i>Israel Journal of Chemistry</i> , 2017, 57, 393-402.	2.3	4
60	Isotope Effect of Proton/Deuteron Diffusion Constant in Ice. <i>Israel Journal of Chemistry</i> , 2009, 49, 235-249.	2.3	3
61	Irradiation by blue light in the presence of a photoacid confers changes to colony morphology of the plant pathogen <i>Colletotrichum gloeosporioides</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 1-9.	3.8	3
62	The photoacidity of phenol chloro benzoate cyanine picolinium salt photoacid in alkanols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 546-556.	3.9	3
63	Excited-State Proton Transfer to $\text{H}_2\text{O}$ in Mixtures of $\text{CH}_3\text{CN}$ and $\text{H}_2\text{O}$ of a Superphotoacid, Chlorobenzoate Phenol Cyanine Picolinium (CBCyP). <i>Journal of Physical Chemistry A</i> , 2018, 122, 8126-8135.	2.5	3
64	Isomerization Dynamics of Dicyanine in an Alcoholic Solution. <i>Israel Journal of Chemistry</i> , 1993, 33, 215-223.	2.3	1
65	Time-resolved fluorescence study of all-trans-retinal. <i>Journal of Modern Optics</i> , 2014, 61, 1589-1604.	1.3	1
66	Mutagenic induction of an ultra-fast water-chain proton wire. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23089-23095.	2.8	1
67	Pump-Probe Spectroscopy of Population Wave Packets with Intense Chirped Pulses. <i>Israel Journal of Chemistry</i> , 2004, 44, 41-52.	2.3	0
68	Anomalous Rate of $\text{H}^+$ and $\text{D}^+$ Excited-State Proton Transfer (ESPT) in $\text{H}_2\text{O}/\text{D}_2\text{O}$ Mixtures: Irreversible ESPT in 1-Naphthol-4-sulfonate. <i>Journal of Physical Chemistry A</i> , 2018, 122, 209-216.	2.5	0
69	Direct Observation and Kinetic Mapping of Point-to-Point Proton Transfer to Multiple Competing Molecular Sites. , 2020, , .		0