

Ehud Pines

List of Publications by Year in descending order

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times ranked

2595
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared and NMR Spectroscopic Fingerprints of the Asymmetric $\text{H}_7 + \text{O}_3$ Complex in Solution. ChemPhysChem, 2021, 22, 716-725.	1.0	9
2	Infrared and NMR Spectroscopic Fingerprints of the Asymmetric $\text{H}_7 + \text{O}_3$ Complex in Solution. ChemPhysChem, 2021, 22, 709-709.	1.0	0
3	Electron Flow Characterization of Charge Transfer for Carbonic Acid to Strong Base Proton Transfer in Aqueous Solution. Journal of Physical Chemistry B, 2021, 125, 11473-11490.	1.2	2
4	Reversible intermolecular-coupled-intramolecular (RICI) proton transfer occurring on the reaction-radius $\langle r \rangle$ of 2-naphthol-6,8-disulfonate photoacid. Journal of Chemical Physics, 2020, 152, 074205.	1.2	5
5	Intact carbonic acid is a viable protonating agent for biological bases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20837-20843.	3.3	8
6	Hydrated Excess Protons in Acetonitrile/Water Mixtures: Solvation Species and Ultrafast Proton Motions. Journal of Physical Chemistry Letters, 2019, 10, 2287-2294.	2.1	27
7	Ultrafast vibrational relaxation and energy dissipation of hydrated excess protons in polar solvents. Chemical Physics Letters, 2018, 713, 111-116.	1.2	5
8	Titelbild: Ultrafast Dynamics of a "Super" Photobase (Angew. Chem. 45/2018). Angewandte Chemie, 2018, 130, 14869-14869.	1.6	0
9	Ultrafast Dynamics of a "Super" Photobase. Angewandte Chemie - International Edition, 2018, 57, 14742-14746.	7.2	36
10	Large-amplitude transfer motion of hydrated excess protons mapped by ultrafast 2D IR spectroscopy. Science, 2017, 357, 491-495.	6.0	129
11	Reversible Excited-State Proton Geminate Recombination: Revisited. Journal of Physical Chemistry B, 2016, 120, 12615-12632.	1.2	37
12	Controlling reactivity by remote protonation of a basic side group in a bifunctional photoacid. Physical Chemistry Chemical Physics, 2016, 18, 16106-16115.	1.3	15
13	How Acidic Is Carbonic Acid?. Journal of Physical Chemistry B, 2016, 120, 2440-2451.	1.2	63
14	The Hydrated Excess Proton in the Zundel Cation H_5O_2^+ : The Role of Ultrafast Solvent Fluctuations. Angewandte Chemie, 2016, 128, 10758-10763.	1.6	13
15	Frontispiece: The Hydrated Excess Proton in the Zundel Cation H_5O_2^+ : The Role of Ultrafast Solvent Fluctuations. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
16	The Hydrated Excess Proton in the Zundel Cation H_5O_2^+ : The Role of Ultrafast Solvent Fluctuations. Angewandte Chemie - International Edition, 2016, 55, 10600-10605.	7.2	73
17	Frontispiz: The Hydrated Excess Proton in the Zundel Cation H_5O_2^+ : The Role of Ultrafast Solvent Fluctuations. Angewandte Chemie, 2016, 128, .	1.6	0
18	Reaction Mechanism for Direct Proton Transfer from Carbonic Acid to a Strong Base in Aqueous Solution II: Solvent Coordinate-Dependent Reaction Path. Journal of Physical Chemistry B, 2016, 120, 2281-2290.	1.2	12

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19	Reaction Mechanism for Direct Proton Transfer from Carbonic Acid to a Strong Base in Aqueous Solution I: Acid and Base Coordinate and Charge Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2271-2280.	1.2	24
20	Monitoring the Microscopic Molecular Mechanisms of Proton Transfer in Acid-Base Reactions in Aqueous Solutions. <i>Israel Journal of Chemistry</i> , 2015, 55, 1240-1251.	1.0	15
21	Bifunctional Photoacids: Remote Protonation Affecting Chemical Reactivity. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2690-2701.	1.2	35
22	Effect of Solvent Dielectric Constant and Acidity on the OH Vibration Frequency in Hydrogen-Bonded Complexes of Fluorinated Ethanol. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9278-9286.	1.2	11
23	Solvent dependence of excited-state proton transfer from pyranine-derived photoacids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9104.	1.3	65
24	Probing Small Protonated Water Clusters in Acetonitrile Solutions by ¹ H NMR. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 983-1007.	1.4	12
25	Apparent Stoichiometry of Water in Proton Hydration and Proton Dehydration Reactions in CH ₃ CN/H ₂ O Solutions. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4063-4075.	1.1	48
26	Real-Time Observation of Carbonic Acid Formation in Aqueous Solution. <i>Science</i> , 2009, 326, 1690-1694.	6.0	255
27	Ultrafast Protonation of Cyanate Anion in Aqueous Solution. <i>Israel Journal of Chemistry</i> , 2009, 49, 217-225.	1.0	10
28	Cation-Enhanced Deprotonation of Water by a Strong Photobase. <i>Israel Journal of Chemistry</i> , 2009, 49, 261-272.	1.0	29
29	Base-Induced Solvent Switches in Acid-Base Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1458-1461.	7.2	197
30	Sequential Proton Transfer Through Water Bridges in Acid-Base Reactions. <i>Science</i> , 2005, 310, 83-86.	6.0	480
31	ULTRAFAST CHEMISTRY: Using Time-Resolved Vibrational Spectroscopy for Interrogation of Structural Dynamics. <i>Annual Review of Physical Chemistry</i> , 2005, 56, 337-367.	4.8	295
32	Femtosecond Pump-Probe Measurements of Solvation by Hydrogen-Bonding Interactions. <i>ChemPhysChem</i> , 2004, 5, 1315-1327.	1.0	87
33	Real-Time Observation of Bimodal Proton Transfer in Acid-Base Pairs in Water. <i>Science</i> , 2003, 301, 349-352.	6.0	408
34	Dual Fluorescence and Excited-State Structural Relaxations in Donor-Acceptor Stilbenes. <i>Journal of Physical Chemistry A</i> , 2003, 107, 236-242.	1.1	74
35	Proton Dissociation and Solute-Solvent Interactions Following Electronic Excitation of Photoacids. , 2002, , 155-184.		29
36	Direct observation of power-law behavior in the asymptotic relaxation to equilibrium of a reversible bimolecular reaction. <i>Journal of Chemical Physics</i> , 2001, 115, 951-953.	1.2	40

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37	Evidence for ¹ L _a , ¹ L _b Dual State Emission in 1-naphthol and 1-methoxynaphthalene Fluorescence in Liquid Solutions. Israel Journal of Chemistry, 1999, 39, 361-373.	1.0	30
38	Competitive geminate quenching and geminate recombination reactions of 1-naphthol. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 504-510.	0.9	34
39	Solvent dependence of pyranine fluorescence and UV-visible absorption spectra. Journal of Physical Organic Chemistry, 1998, 11, 743-750.	0.9	51
40	Geminate recombination in excited-state proton-transfer reactions: Numerical solution of the Debye-Smoluchowski equation with backreaction and comparison with experimental results. Journal of Chemical Physics, 1988, 88, 5620-5630.	1.2	352
41	Geminate recombination in proton-transfer reactions. II. Comparison of diffusional and kinetic schemes. Journal of Chemical Physics, 1988, 88, 5631-5638.	1.2	227
42	The pH jump: a rapid modulation of pH of aqueous solutions by a laser pulse. Journal of the American Chemical Society, 1981, 103, 3709-3713.	6.6	81
43	UV-Visible Spectra and Photoacidity of Phenols, Naphthols and Pyrenols. , 0, , 491-527.		24
44	Bimolecular Proton Transfer in Solution. , 0, , 443-458.		1