

Kenneth B Eisenthal

List of Publications by Year in descending order

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51
papers

3,282
citations

101535

36
h-index

175241

52
g-index

52
all docs

52
docs citations

52
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	Second Harmonic Spectroscopy of Aqueous Nano- and Microparticle Interfaces. <i>Chemical Reviews</i> , 2006, 106, 1462-1477.	47.7	301
2	New Method for Determination of Surface Potential of Microscopic Particles by Second Harmonic Generation. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6331-6336.	2.6	188
3	Study of Interfacial Charge-Transfer Complex on TiO ₂ Particles in Aqueous Suspension by Second-Harmonic Generation. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2480-2486.	2.6	163
4	Polarization of water molecules at a charged interface. Second harmonic studies of charged monolayers at the air/water interface. <i>Chemical Physics Letters</i> , 1993, 202, 513-520.	2.6	147
5	Liquid interfaces. <i>Accounts of Chemical Research</i> , 1993, 26, 636-643.	15.6	141
6	Kinetics of molecular transport across a liposome bilayer. <i>Chemical Physics Letters</i> , 1998, 292, 345-351.	2.6	139
7	Phase-referenced nonlinear spectroscopy of the $\hat{\pm}$ -quartz/water interface. <i>Nature Communications</i> , 2016, 7, 13587.	12.8	130
8	Determination of pK _a at the air/water interface by second harmonic generation. <i>Chemical Physics Letters</i> , 1990, 171, 558-562.	2.6	115
9	Energetics and Population of Molecules at Microscopic Liquid and Solid Surfaces. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4446-4450.	2.6	110
10	Studies of chemical and physical processes with picosecond lasers. <i>Accounts of Chemical Research</i> , 1975, 8, 118-124.	15.6	96
11	Absolute Orientation of Molecules at Interfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1727-1732.	2.6	83
12	Anisotropic Orientational Motion of Molecular Adsorbates at the Air~Water Interface. <i>Journal of Physical Chemistry B</i> , 1999, 103, 3425-3433.	2.6	78
13	Surface Potential of Charged Liposomes Determined by Second Harmonic Generation. <i>Langmuir</i> , 2001, 17, 2063-2066.	3.5	78
14	Second Harmonic Studies of Ions Crossing Liposome Membranes in Real Time. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15263-15266.	2.6	78
15	Energetics of adsorption of neutral and charged molecules at the air/water interface by second harmonic generation: Hydrophobic and solvation effects. <i>Journal of Chemical Physics</i> , 1991, 95, 1310-1315.	3.0	77
16	Picosecond dynamics of barrier crossing in solution: A study of the conformational change of excited state 1,1'-binaphthyl. <i>Journal of Chemical Physics</i> , 1985, 83, 5076-5083.	3.0	76
17	Water Structure at Air/Acetonitrile Aqueous Solution Interfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14384-14389.	3.1	73
18	Femtosecond Electron Solvation Kinetics in Water. <i>The Journal of Physical Chemistry</i> , 1996, 100, 11903-11906.	2.9	67

#	ARTICLE	IF	CITATIONS
19	Rotational relaxation at the air/water interface by time-resolved second harmonic generation. The Journal of Physical Chemistry, 1991, 95, 6752-6753.	2.9	66
20	Probing the colloidal gold nanoparticle/aqueous interface with second harmonic generation. Chemical Physics Letters, 2011, 507, 11-14.	2.6	63
21	Dynamical Time Scales of Aqueous Solvation at Negatively Charged Lipid/Water Interfaces. Journal of Physical Chemistry A, 2002, 106, 7482-7490.	2.5	54
22	Ultrafast Excited-State Electron Transfer at an Organic Liquid/Aqueous Interface. Journal of the American Chemical Society, 2006, 128, 1068-1069.	13.7	54
23	Relative permittivity in the electrical double layer from nonlinear optics. Journal of Chemical Physics, 2018, 148, 222808.	3.0	54
24	Effect of Organic Surfactant on Femtosecond Solvation Dynamics at the Air-Water Interface. Journal of Physical Chemistry B, 2000, 104, 11723-11728.	2.6	52
25	Effects of Counterions on Molecular Transport Across Liposome Bilayer: Probed by Second Harmonic Generation. Journal of Physical Chemistry B, 2001, 105, 12816-12822.	2.6	52
26	Orientational Motions of Vibrational Chromophores in Molecules at the Air/Water Interface with Time-Resolved Sum Frequency Generation. Journal of Physical Chemistry B, 2008, 112, 13572-13576.	2.6	46
27	Femtosecond studies of electron photodetachment of simple ions in liquid water: Solvation and geminate recombination dynamics. Journal of Chemical Physics, 1989, 91, 4413-4414.	3.0	45
28	Aqueous Solvation Dynamics at the Anionic Surfactant Air/Water Interface. Journal of Physical Chemistry B, 2001, 105, 6698-6703.	2.6	43
29	Organic ions at the air/water interface. Chemical Physics Letters, 2009, 477, 241-244.	2.6	43
30	Femtosecond Aqueous Solvation at a Positively Charged Surfactant/Water Interface. Journal of Physical Chemistry B, 2004, 108, 14017-14024.	2.6	42
31	Probing the Interface of Microscopic Clay Particles in Aqueous Solution by Second Harmonic Generation. Journal of Physical Chemistry B, 1999, 103, 6056-6060.	2.6	41
32	Label-free probe of HIV-1 TAT peptide binding to mimetic membranes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12684-12688.	7.1	41
33	Effect of Solute Orientation on Solvation Dynamics at the Air/Water Interface. Journal of Physical Chemistry A, 1999, 103, 10567-10570.	2.5	39
34	Ultrafast Solvation Dynamics at Silica/Liquid Interfaces Probed by Time-Resolved Second Harmonic Generation. Journal of Physical Chemistry B, 2001, 105, 11578-11585.	2.6	39
35	Static and Dynamic Solvation at the Air/Water Interface. Journal of Physical Chemistry B, 2001, 105, 3993-4002.	2.6	38
36	Protonation at the Aqueous Interface of Polymer Nanoparticles with Second Harmonic Generation. Journal of Physical Chemistry C, 2008, 112, 15809-15812.	3.1	37

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37	Monolayer orientational fluctuations and a new phase transition at the air water interface detected by second harmonic generation. <i>Journal of Chemical Physics</i> , 1995, 102, 5818-5826.	3.0	27
38	Femtosecond study of geminate electron-hole recombination in neat alkanes. <i>Journal of Chemical Physics</i> , 1988, 89, 606-608.	3.0	26
39	Molecular Rotation at Negatively Charged Surfactant/Aqueous Interfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19788-19792.	2.6	26
40	Molecular Orientational Distribution at Interfaces Using Second Harmonic Generation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11678-11683.	3.1	26
41	Studies of surface diffusion by second harmonic fluctuation spectroscopy. <i>The Journal of Physical Chemistry</i> , 1990, 94, 3370-3373.	2.9	24
42	Picosecond kinetics of excited charge-transfer interactions. <i>Chemical Physics Letters</i> , 1977, 46, 339-342.	2.6	21
43	In-Plane Molecular Rotational Dynamics at a Negatively Charged Surfactant/Aqueous Interface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20375-20381.	3.1	21
44	Dynamics of excited state electron transfer at a liquid interface using time-resolved sum frequency generation. <i>Chemical Physics Letters</i> , 2012, 544, 1-6.	2.6	21
45	Solvation Dynamics at the Air/Water Interface with Time-Resolved Sum-Frequency Generation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17703-17708.	3.1	20
46	Intermolecular and Intramolecular Excited State Charge Transfer. <i>Laser Chemistry</i> , 1983, 3, 145-162.	0.5	18
47	Binding and cleavage of DNA with the restriction enzyme EcoR1 using time-resolved second harmonic generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19979-19984.	7.1	16
48	Effect of Salt on the Adsorption Affinity of an Aromatic Carbonyl Molecule to the Air-Aqueous Interface: Insight for Aqueous Environmental Interfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18258-18262.	3.1	14
49	Molecular Excited-State Relaxation Dynamics at the Colloidal Microparticle Interface Monitored with Pump-Probe Second Harmonic Generation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4249-4253.	2.6	13
50	Molecular rotation in 3 dimensions at an air/water interface using femtosecond time resolved sum frequency generation. <i>Journal of Chemical Physics</i> , 2019, 150, 094709.	3.0	13
51	Second harmonic study of acid-base equilibrium at gold nanoparticle/aqueous interface. <i>Chemical Physics Letters</i> , 2017, 683, 166-171.	2.6	5