Jeremy T O brien

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34 papers	1,604 citations	22 h-index	34 g-index
34 ext. papers	1,705 ext. citations	9.4 avg, IF	4.6 L-index

#	Paper	IF	Citations
34	Tunable sour gas separations: Simultaneous H2S and CO2 removal from natural gas via crosslinked telechelic poly(ethylene glycol) membranes. *Journal of Membrane Science*, **2020**, 602, 117947	9.6	21
33	Addition-type alkoxysilyl-substituted polynorbornenes for post-combustion carbon dioxide separations. *Journal of Membrane Science*, **2020**, 595, 117532	9.6	15
32	Sour gas transport in poly(ether-b-amide) membranes for natural gas separations. *Journal of Membrane Science*, **2020**, 595, 117497	9.6	19
31	Organotemplate-free synthesis of hierarchical beta zeolites. *Catalysis Today*, **2018**, 316, 26-30	5.3	13
30	Structural and electrostatic effects at the surfaces of size- and charge-selected aqueous nanodrops. *Chemical Science*, **2017**, 8, 5201-5213	9.4	7
29	Towards Integrating Synchrotron FTIR Microscopy with Mass Spectrometry at the Berkeley Synchrotron Infrared Structural Biology (BSISB) Program. *Synchrotron Radiation News*, **2017**, 30, 17-23	0.6	1
28	Optimization of Hierarchical Structures for Beta Zeolites by Post-Synthetic Base Leaching. *Industrial & Engineering Chemistry Research*, **2016**, 55, 8567-8575	3.9	23
27	Steel Corrosion Mechanisms during Pipeline Operation: In Situ Characterization. *Microscopy and Microanalysis*, **2016**, 22, 1564-1565	0.5	1
26	Structural elucidation of hydrated CuOH + complexes using IR action spectroscopy and theoretical modeling. *International Journal of Mass Spectrometry*, **2015**, 378, 270-280	1.9	11
25	Ambient infrared laser ablation mass spectrometry (AIRLAB-MS) of live plant tissue with plume capture by continuous flow solvent probe. *Analytical Chemistry*, **2015**, 87, 2631-8	7.8	20
24	Effects of ions on hydrogen-bonding water networks in large aqueous nanodrops. *Journal of the American Chemical Society*, **2012**, 134, 10228-36	16.4	84
23	Water-induced folding of 1,7-diammoniumheptane. *Journal of the American Chemical Society*, **2012**, 134, 11216-24	16.4	20
22	Structural and electric field effects of ions in aqueous nanodrops. *Journal of the American Chemical Society*, **2011**, 133, 4810-8	16.4	61
21	Coordination numbers of hydrated divalent transition metal ions investigated with IRPD spectroscopy. *Journal of Physical Chemistry A*, **2011**, 115, 14612-9	2.8	53
20	Zn2+ has a primary hydration sphere of five: IR action spectroscopy and theoretical studies of hydrated Zn2+ complexes in the gas phase. *Journal of Physical Chemistry A*, **2010**, 114, 12646-55	2.8	56
19	Hydration isomers of protonated phenylalanine and derivatives: relative stabilities from infrared photodissociation. *Journal of the American Chemical Society*, **2010**, 132, 7811-9	16.4	48
18	Sulfate ion patterns water at long distance. *Journal of the American Chemical Society*, **2010**, 132, 8248-9	16.4	121

17	IRPD spectroscopy and ensemble measurements: effects of different data acquisition and analysis methods. *Journal of the American Society for Mass Spectrometry*, **2010**, 21, 800-9	3.5	69
16	Directly relating gas-phase cluster measurements to solution-phase hydrolysis, the absolute standard hydrogen electrode potential, and the absolute proton solvation energy. *Chemistry - A European Journal*, **2009**, 15, 5926-34	4.8	45
15	Structures of protonated dipeptides: the role of arginine in stabilizing salt bridges. *Journal of the American Chemical Society*, **2009**, 131, 11442-9	16.4	74
14	Changes in binding motif of protonated heterodimers containing valine and amines investigated using IRMPD spectroscopy between 800 and 3700 cm(-1) and theory. *Journal of the American Chemical Society*, **2009**, 131, 3905-12	16.4	19
13	Directly relating reduction energies of gaseous Eu(H2O)n(3+), n = 55-140, to aqueous solution: the absolute SHE potential and real proton solvation energy. *Journal of the American Chemical Society*, **2009**, 131, 13328-37	16.4	61
12	Hydration of alkaline earth metal dications: effects of metal ion size determined using infrared action spectroscopy. *Journal of the American Chemical Society*, **2009**, 131, 13270-7	16.4	69
11	Interactions of mono- and divalent metal ions with aspartic and glutamic acid investigated with IR photodissociation spectroscopy and theory. *Journal of Physical Chemistry A*, **2008**, 112, 10823-30	2.8	88
10	Hydration of gaseous copper dications probed by IR action spectroscopy. *Journal of Physical Chemistry A*, **2008**, 112, 5893-901	2.8	58
9	Electron capture by a hydrated gaseous peptide: effects of water on fragmentation and molecular survival. *Journal of the American Chemical Society*, **2008**, 130, 12680-9	16.4	39
8	Absolute standard hydrogen electrode potential measured by reduction of aqueous nanodrops in the gas phase. *Journal of the American Chemical Society*, **2008**, 130, 3371-81	16.4	108
7	Nanocalorimetry in mass spectrometry: a route to understanding ion and electron solvation. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 18102-7	11.5	40
6	Effects of electron kinetic energy and ion-electron inelastic collisions in electron capture dissociation measured using ion nanocalorimetry. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 772-9	3.5	12
5	Internal energy deposition in electron capture dissociation measured using hydrated divalent metal ions as nanocalorimeters. *Journal of the American Chemical Society*, **2007**, 129, 4894-5	16.4	54
4	Reduction energy of 1 M aqueous ruthenium(III) hexaammine in the gas phase: a route toward establishing an absolute electrochemical scale. *Journal of the American Chemical Society*, **2007**, 129, 7716-7	16.4	26
3	Nonergodicity in electron capture dissociation investigated using hydrated ion nanocalorimetry. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 1217-31	3.5	39
2	Infrared spectroscopy of cationized arginine in the gas phase: direct evidence for the transition from nonzwitterionic to zwitterionic structure. *Journal of the American Chemical Society*, **2007**, 129, 1612-22	16.4	181
1	Structures of lithiated lysine and structural analogues in the gas phase: effects of water and proton affinity on zwitterionic stability. *Journal of Physical Chemistry A*, **2006**, 110, 8433-42	2.8	48