Ying-Lung Steve Tse

List of Publications by Year
in descending order

32 papers	1,163 citations	516710 16 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1412 citing authors

#	Article	IF	Citations
1	Hydroxide Solvation and Transport in Anion Exchange Membranes. Journal of the American Chemical Society, 2016, 138, 991-1000.	13.7	208
2	Propensity of Hydrated Excess Protons and Hydroxide Anions for the Airâ€“Water Interface. Journal of the American Chemical Society, 2015, 137, 12610-12616.	13.7	100
3	Molecular Dynamics Simulations of Proton Transport in 3M and Nafion Perfluorosulfonic Acid Membranes. Journal of Physical Chemistry C, 2013, 117, 8079-8091.	3.1	91
4	Proton Transport Mechanism of Perfluorosulfonic Acid Membranes. Journal of Physical Chemistry C, 2014, 118, 17436-17445.	3.1	84
5	Accessing Axially Chiral Biaryls via Organocatalytic Enantioselective Dynamic-Kinetic Resolution-Semipinacol Rearrangement. ACS Catalysis, 2017, 7, 4435-4440.	11.2	69
6	Role of Presolvation and Anharmonicity in Aqueous Phase Hydrated Proton Solvation and Transport. Journal of Physical Chemistry B, 2016, 120, 1793-1804.	2.6	68
7	Applications of Selenonium Cations as Lewis Acids in Organocatalytic Reactions. Angewandte Chemie - International Edition, 2018, 57, 12869-12873.	13.8	65
8	An analysis of hydrated proton diffusion in ab initio molecular dynamics. Journal of Chemical Physics, 2015, 142, 014104.	3.0	63
9	Dopamine-Mediated Assembly of Citrate-Capped Plasmonic Nanoparticles into Stable Coreâ€“Shell Nanoworms for Intracellular Applications. ACS Nano, 2019, 13, 5864-5884.	14.6	57
10	Catalytic enantio- and diastereoselective domino halocyclization and spiroketalization. Nature Catalysis, 2020, 3, 993-1001.	34.4	48
11	Bis-selenonium Cations as Bidentate Chalcogen Bond Donors in Catalysis. ACS Catalysis, 2021, 11, 12632-12642.	11.2	31
12	Amide/Iminium Zwitterionic Catalysts for (Trans)esterification: Application in Biodiesel Synthesis. ACS Catalysis, 2019, 9, 8083-8092.	11.2	28
13	Access to Chiral Bisphenol Ligands (BPOL) through Desymmetrizing Asymmetric Ortho-Selective Halogenation. CheM, 2020, 6, 919-932.	11.7	28
14	A Catalyst-Controlled Enantiodivergent Bromolactonization. Journal of the American Chemical Society, 2021, 143, 12745-12754.	13.7	26
15	Chloride Enhances Fluoride Mobility in Anion Exchange Membrane/Polycationic Systems. Journal of Physical Chemistry C, 2014, 118, 845-853.	3.1	24
16	Free Energy and Dynamics of Water Droplet Coalescence. Journal of Physical Chemistry C, 2018, 122, 22975-22984.	3.1	19
17	Free energy study of H2O, N2O5, SO2, and O3 gas sorption by water droplets/slabs. Journal of Chemical Physics, 2018, 148, 164706.	3.0	17
18	Applications of Selenonium Cations as Lewis Acids in Organocatalytic Reactions. Angewandte Chemie, 2018, 130, 13051-13055.	2.0	16

#	Article	IF	Citations
19	Effects of liquidâ€“liquid phase separation and relative humidity on the heterogeneous OH oxidation of inorganicâ€“organic aerosols: insights from methylglutaric acid and ammonium sulfate particles. Atmospheric Chemistry and Physics, 2021, 21, 2053-2066.	4.9	16
20	Ion mixing, hydration, and transport in aqueous ionic systems. Journal of Chemical Physics, 2015, 142, 184905.	3.0	13
21	Uptake of Common Atmospheric Gases by Organic-Coated Water Droplets. Journal of Physical Chemistry C, 2019, 123, 18924-18931.	3.1	13
22	Hindered Diffusion near Fluidâ€“Solid Interfaces: Comparison of Molecular Dynamics to Continuum Hydrodynamics. Langmuir, 2020, 36, 9412-9423.	3.5	12
23	Free Energy and Dynamics of Organic-Coated Water Droplet Coalescence. Journal of Physical Chemistry C, 2020, 124, 8749-8757.	3.1	12
24	Effect of inorganic-to-organic mass ratio on the heterogeneous OH reaction rates of erythritol: implications for atmospheric chemical stability of 2-methyltetrols. Atmospheric Chemistry and Physics, 2020, 20, 3879-3893.	4.9	10
25	Non-covalent reconfigurable microgel colloidosomes with a well-defined bilayer shell. Chemical Science, 2022, 13, 6205-6216.	7.4	10
26	Simulation study of the effects of phase separation on hydroxide solvation and transport in anion exchange membranes. Journal of Chemical Physics, 2020, 152, 094903.	3.0	9
27	Kinetic theories of dynamics and persistent caging in a one-dimensional lattice gas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15142-15147.	7.1	7
28	Investigation of the Contact Angle and Packing Density of Silica Nanoparticles at a Pickering Emulsion Interface Fixed by UV Polymerization. Langmuir, 2022, 38, 4234-4242.	3.5	7
29	Modified scaling principle for rotational relaxation in a model for suspensions of rigid rods. Journal of Chemical Physics, 2013, 139, 044905.	3.0	6
30	A lattice model of the translational dynamics of nonrotating rigid rods. Journal of Chemical Physics, 2012, 136, 024904.	3.0	3
31	Patchy colloidal particles at the fluidâ€“fluid interface. Soft Matter, 2018, 14, 9457-9465.	2.7	3
32	Chemical Transformation of a Long-Chain Alkyl Organosulfate via Heterogeneous OH Oxidation: A Case Study of Sodium Dodecyl Sulfate. Environmental Science Atmospheres, 0, , .	2.4	0