

# Ying-Lung Steve Tse

## List of Publications by Year in descending order

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32  
papers

1,163  
citations

516710  
16  
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434195  
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docs citations

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times ranked

1412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the Contact Angle and Packing Density of Silica Nanoparticles at a Pickering Emulsion Interface Fixed by UV Polymerization. <i>Langmuir</i> , 2022, 38, 4234-4242.	3.5	7
2	Non-covalent reconfigurable microgel colloidosomes with a well-defined bilayer shell. <i>Chemical Science</i> , 2022, 13, 6205-6216.	7.4	10
3	Effects of liquid-liquid phase separation and relative humidity on the heterogeneous OH oxidation of inorganic-organic aerosols: insights from methylglutaric acid and ammonium sulfate particles. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2053-2066.	4.9	16
4	A Catalyst-Controlled Enantiodivergent Bromolactonization. <i>Journal of the American Chemical Society</i> , 2021, 143, 12745-12754.	13.7	26
5	Bis-selenonium Cations as Bidentate Chalcogen Bond Donors in Catalysis. <i>ACS Catalysis</i> , 2021, 11, 12632-12642.	11.2	31
6	Hindered Diffusion near Fluid-Solid Interfaces: Comparison of Molecular Dynamics to Continuum Hydrodynamics. <i>Langmuir</i> , 2020, 36, 9412-9423.	3.5	12
7	Catalytic enantio- and diastereoselective domino halocyclization and spiroketalization. <i>Nature Catalysis</i> , 2020, 3, 993-1001.	34.4	48
8	Effect of inorganic-to-organic mass ratio on the heterogeneous OH reaction rates of erythritol: implications for atmospheric chemical stability of 2-methyltetrols. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3879-3893.	4.9	10
9	Simulation study of the effects of phase separation on hydroxide solvation and transport in anion exchange membranes. <i>Journal of Chemical Physics</i> , 2020, 152, 094903.	3.0	9
10	Access to Chiral Bisphenol Ligands (BPOL) through Desymmetrizing Asymmetric Ortho-Selective Halogenation. <i>CheM</i> , 2020, 6, 919-932.	11.7	28
11	Free Energy and Dynamics of Organic-Coated Water Droplet Coalescence. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8749-8757.	3.1	12
12	Uptake of Common Atmospheric Gases by Organic-Coated Water Droplets. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18924-18931.	3.1	13
13	Amide/Iminium Zwitterionic Catalysts for (Trans)esterification: Application in Biodiesel Synthesis. <i>ACS Catalysis</i> , 2019, 9, 8083-8092.	11.2	28
14	Dopamine-Mediated Assembly of Citrate-Capped Plasmonic Nanoparticles into Stable Core-Shell Nanoworms for Intracellular Applications. <i>ACS Nano</i> , 2019, 13, 5864-5884.	14.6	57
15	Free energy study of H <sub>2</sub> O, N <sub>2</sub> O <sub>5</sub> , SO <sub>2</sub> , and O <sub>3</sub> gas sorption by water droplets/slabs. <i>Journal of Chemical Physics</i> , 2018, 148, 164706.	3.0	17
16	Patchy colloidal particles at the fluid-fluid interface. <i>Soft Matter</i> , 2018, 14, 9457-9465.	2.7	3
17	Free Energy and Dynamics of Water Droplet Coalescence. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22975-22984.	3.1	19
18	Applications of Selenonium Cations as Lewis Acids in Organocatalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12869-12873.	13.8	65

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19	Applications of Selenonium Cations as Lewis Acids in Organocatalytic Reactions. <i>Angewandte Chemie</i> , 2018, 130, 13051-13055.	2.0	16
20	Accessing Axially Chiral Biaryls via Organocatalytic Enantioselective Dynamic-Kinetic Resolution-Semipinacol Rearrangement. <i>ACS Catalysis</i> , 2017, 7, 4435-4440.	11.2	69
21	Role of Presolvation and Anharmonicity in Aqueous Phase Hydrated Proton Solvation and Transport. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1793-1804.	2.6	68
22	Hydroxide Solvation and Transport in Anion Exchange Membranes. <i>Journal of the American Chemical Society</i> , 2016, 138, 991-1000.	13.7	208
23	An analysis of hydrated proton diffusion in <i>ab initio</i> molecular dynamics. <i>Journal of Chemical Physics</i> , 2015, 142, 014104.	3.0	63
24	Propensity of Hydrated Excess Protons and Hydroxide Anions for the Air-Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 12610-12616.	13.7	100
25	Ion mixing, hydration, and transport in aqueous ionic systems. <i>Journal of Chemical Physics</i> , 2015, 142, 184905.	3.0	13
26	Chloride Enhances Fluoride Mobility in Anion Exchange Membrane/Polycationic Systems. <i>Journal of Physical Chemistry C</i> , 2014, 118, 845-853.	3.1	24
27	Proton Transport Mechanism of Perfluorosulfonic Acid Membranes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17436-17445.	3.1	84
28	Molecular Dynamics Simulations of Proton Transport in 3M and Nafion Perfluorosulfonic Acid Membranes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8079-8091.	3.1	91
29	Modified scaling principle for rotational relaxation in a model for suspensions of rigid rods. <i>Journal of Chemical Physics</i> , 2013, 139, 044905.	3.0	6
30	A lattice model of the translational dynamics of nonrotating rigid rods. <i>Journal of Chemical Physics</i> , 2012, 136, 024904.	3.0	3
31	Kinetic theories of dynamics and persistent caging in a one-dimensional lattice gas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15142-15147.	7.1	7
32	Chemical Transformation of a Long-Chain Alkyl Organosulfate via Heterogeneous OH Oxidation: A Case Study of Sodium Dodecyl Sulfate. <i>Environmental Science Atmospheres</i> , 0, , .	2.4	0