

Phei-Li Lau

List of Publications by Year in descending order

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13
papers

330
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

365
citing authors

#	ARTICLE	IF	CITATIONS
1	Community-scale composting for food waste: A life-cycle assessment-supported case study. <i>Journal of Cleaner Production</i> , 2020, 261, 121220.	9.3	91
2	Numerical studies of shear-thinning droplet formation in a microfluidic T-junction using two-phase level-SET method. <i>Chemical Engineering Science</i> , 2017, 174, 157-173.	3.8	66
3	Rational Design of Thermostable Carbonic Anhydrase Mutants Using Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8526-8536.	2.6	38
4	Permeabilization of <i>Chlorella sorokiniana</i> and extraction of lutein by distillable CO ₂ -based alkyl carbamate ionic liquids. <i>Separation and Purification Technology</i> , 2021, 256, 117471.	7.9	36
5	Integration of osmotic shock assisted liquid biphasic system for protein extraction from microalgae <i>Chlorella vulgaris</i> . <i>Biochemical Engineering Journal</i> , 2020, 157, 107532.	3.6	21
6	CFD study of distillation sieve tray flow regimes using the droplet size distribution technique. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1354-1368.	5.3	19
7	Characterizing droplet breakup rates of shear-thinning dispersed phase in microreactors. <i>Chemical Engineering Research and Design</i> , 2019, 144, 370-385.	5.6	15
8	Engineering of <i>Thermovibrio ammonificans</i> carbonic anhydrase mutants with increased thermostability. <i>Journal of CO₂ Utilization</i> , 2020, 37, 1-8.	6.8	15
9	Green technologies: innovations, challenges, and prospects. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1939-1939.	4.1	11
10	Continuous-flow Heck synthesis of 4-methoxybiphenyl and methyl 4-methoxycinnamate in supercritical carbon dioxide expanded solvent solutions. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2886-2897.	2.2	6
11	Molecular Differentiated Initiator Reactivity in the Synthesis of Poly(caprolactone)-Based Hydrophobic Homopolymer and Amphiphilic Core Corona Star Polymers. <i>Molecules</i> , 2015, 20, 20131-20145.	3.8	6
12	Facile Determination of Molecular Structure Trends in Amphiphilic Core Corona Star Polymer Synthesis via Dielectric Property Measurement. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1295-1299.	3.9	5
13	Numerical Simulation of the Effect of Rheological Parameters on Shear-Thinning Droplet Formation. , 2014, , .		1