

Voon Loong Wong

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

275
citations

1040056

9
h-index

996975

15
g-index

22
all docs

22
docs citations

22
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent Advances in Polymer-based 3D Printing for Wastewater Treatment Application: An Overview. <i>Chemical Engineering Journal</i> , 2022, 429, 132311.	12.7	47
3	Recent advances in homojunction-based photocatalysis for sustainable environmental remediation and clean energy generation. <i>Applied Materials Today</i> , 2020, 20, 100741.	4.3	28
4	Examining the Effect of Flow Rate Ratio on Droplet Generation and Regime Transition in a Microfluidic T-Junction at Constant Capillary Numbers. <i>Inventions</i> , 2018, 3, 54.	2.5	26
5	Adsorption equilibrium, kinetics and thermodynamics studies of anionic methyl orange dye adsorption using chitosan-calcium chloride gel beads. <i>Chemical Engineering Communications</i> , 2021, 208, 708-726.	2.6	23
6	3D-printed photoreactor with robust g-C ₃ N ₄ homojunction based thermoset coating as a new and sustainable approach for photocatalytic wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106437.	6.7	16
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	Optimization studies for water defluoridation with two-stage coagulation processes using new industrial-based chemical coagulants. <i>Journal of Water Process Engineering</i> , 2021, 42, 102179.	5.6	13
9	Synergistic effects of the hybridization between boron-doped carbon quantum dots and n/n-type g-C ₃ N ₄ homojunction for boosted visible-light photocatalytic activity. <i>Environmental Science and Pollution Research</i> , 2022, 29, 41272-41292.	5.3	11
10	Bio-sorptive Removal of Methyl Orange by Micro-Grooved Chitosan (GCS) Beads: Optimization of Process Variables Using Taguchi L9 Orthogonal Array. <i>Journal of Polymers and the Environment</i> , 2021, 29, 271-290.	5.0	9
11	Enhanced removal of Methyl Orange from aqueous solution by Chitosan-CaCl ₂ beads. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 736, 022049.	0.6	8
12	Water Droplets Translocation and Fission in a 3D Bi-Planar Multifurcated T-Junction Microchannels. <i>Processes</i> , 2020, 8, 510.	2.8	4
13	Microdroplets Advancement in Newtonian and Non-Newtonian Microfluidic Multiphase System. , 2018, , .		2
14	Numerical Simulation of the Effect of Rheological Parameters on Shear-Thinning Droplet Formation. , 2014, , .		1
15	Effect of Fluid Properties on Droplet Generation in a Microfluidic T-Junction. , 2014, , .		1
16	Surface Modification of Aluminium Alloy with Super Hydrophobic Characteristics using Immersion and Spray-Coating Method. <i>Journal of Physics: Conference Series</i> , 2019, 1150, 012057.	0.4	1
17	Microfluidic Synthesis of Functional Materials as Potential Sorbents for Water Remediation and Resource Recovery. , 0, , .		1
18	Numerical CFD investigation of liquid-liquid two-phase flow separation in a microseparator. <i>Separation Science and Technology</i> , 2022, 57, 1454-1470.	2.5	1

#	ARTICLE	IF	CITATIONS
19	Methyl Orange Removal from Aqueous Solution by Sorption onto Porous Polysaccharide-Based Adsorbents: Optimization by Taguchi Design. IOP Conference Series: Earth and Environmental Science, 0, 616, 012079.	0.3	1
20	Additively manufactured vaporizing liquid microthruster with micro pin fins for enhanced heat transfer. Acta Astronautica, 2022, 199, 58-70.	3.2	1