

Sie Yon Lau

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,435
citations

687220

13
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

2521
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency of various recent wastewater dye removal methods: A review. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4676-4697.	3.3	1,525
2	Green approaches for the synthesis of metal and metal oxide nanoparticles using microbial and plant extracts. <i>Nanoscale</i> , 2022, 14, 2534-2571.	2.8	149
3	Potential and challenges of enzyme incorporated nanotechnology in dye wastewater treatment: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103261.	3.3	121
4	An overview of functionalised carbon nanomaterial for organic pollutant removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 175-186.	2.9	104
5	Enzymatic treatment of methyl orange dye in synthetic wastewater by plant-based peroxidase enzymes. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2500-2509.	3.3	90
6	Modelling of methylene blue adsorption using peroxidase immobilized functionalized Buckypaper/polyvinyl alcohol membrane via ant colony optimization. <i>Environmental Pollution</i> , 2020, 259, 113940.	3.7	68
7	Modeling and optimization by particle swarm embedded neural network for adsorption of methylene blue by jicama peroxidase immobilized on buckypaper/polyvinyl alcohol membrane. <i>Environmental Research</i> , 2020, 183, 109158.	3.7	60
8	Removal of dye using peroxidase-immobilized Buckypaper/polyvinyl alcohol membrane in a multi-stage filtration column via RSM and ANFIS. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40121-40134.	2.7	54
9	Isolation and characterization of urease-producing bacteria from tropical peat. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 13, 168-175.	1.5	41
10	Conceptual design and simulation of a plant for the production of high purity (S)-ibuprofen acid using innovative enzymatic membrane technology. <i>Chemical Engineering Journal</i> , 2011, 166, 726-737.	6.6	33
11	Lipase-catalyzed dynamic kinetic resolution of racemic ibuprofen ester via hollow fiber membrane reactor: Modeling and simulation. <i>Journal of Membrane Science</i> , 2010, 357, 109-121.	4.1	30
12	Towards targeted cancer therapy: Aptamer or oncolytic virus?. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 8-19.	1.9	23
13	Biosynthesis of <i>Tithonia diversifolia</i> leaf mediated Zinc Oxide Nanoparticles loaded with flamboyant pods (<i>Delonix regia</i>) for the treatment of Methylene Blue Wastewater. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103363.	2.3	23
14	3D graphene-based adsorbents: Synthesis, proportional analysis and potential applications in oil elimination. <i>Chemosphere</i> , 2022, 287, 132129.	4.2	15
15	Sustainable palm oil refining using pelletized and surface-modified oil palm boiler ash (OPBA) biosorbent. <i>Journal of Cleaner Production</i> , 2019, 230, 527-535.	4.6	13
16	Influence of environmental stress on microalgae growth and lipid profile: a systematic review. <i>Phytochemistry Reviews</i> , 2023, 22, 879-901.	3.1	13
17	Functionalized carbon nanomaterials for wastewater treatment. , 2019, , 283-311.		10
18	Process design and economic studies of two-step fermentation for production of ascorbic acid. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Recent advancements in enzyme-incorporated nanomaterials: Synthesis, mechanistic formation, and applications. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2609-2638.	1.7	9
20	Biophysical characterization of layer-by-layer synthesis of aptamer-drug microparticles for enhanced cell targeting. <i>Biotechnology Progress</i> , 2018, 34, 249-261.	1.3	8
21	Microalgal Biomass Generation via Electroflotation: A Cost-Effective Dewatering Technology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9053.	1.3	8
22	Aptamer-navigated copolymeric drug carrier system for in vitro delivery of MgO nanoparticles as insulin resistance reversal drug candidate in Type 2 diabetes. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101764.	1.4	8
23	Chromatographic characterisation of aptamer-modified poly(EDMA-co-GMA) monolithic disk format for protein binding and separation. <i>Separation Science and Technology</i> , 2018, 53, 2100-2111.	1.3	5
24	Feasibility Study for Production of Hydrogen from Agricultural Solid Residue with Reference to Malaysia Using ASPEN Plus Simulation. <i>Waste and Biomass Valorization</i> , 2020, 11, 1403-1419.	1.8	5
25	Process evaluation and in vitro selectivity analysis of aptamer-drug polymeric formulation for targeted pharmaceutical delivery. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 996-1002.	2.5	4
26	Design and characterization of a multi-layered polymeric drug delivery vehicle. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1243-1252.	0.9	4
27	Synthesis of peroxidase-encapsulated sodium cellulose sulphate/polydimethylallyl ammonium chloride biopolymer via polyelectrolyte complexation for enhanced removal of phenol. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2296.	0.8	2