

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 | Influence of environmental stress on microalgae growth and lipid profile: a systematic review. <i>Phytochemistry Reviews</i> , 2023, 22, 879-901. | 3.1 | 13 |
| 2 | 3D graphene-based adsorbents: Synthesis, proportional analysis and potential applications in oil elimination. <i>Chemosphere</i> , 2022, 287, 132129. | 4.2 | 15 |
| 3 | 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 |
| 4 | Recent advancements in enzyme-incorporated nanomaterials: Synthesis, mechanistic formation, and applications. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2609-2638. | 1.7 | 9 |
| 5 | 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 |
| 6 | 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 |
| 7 | Modelling of methylene blue adsorption using peroxidase immobilized functionalized Bucky paper/polyvinyl alcohol membrane via ant colony optimization. <i>Environmental Pollution</i> , 2020, 259, 113940. | 3.7 | 68 |
| 8 | Microalgal Biomass Generation via Electroflotation: A Cost-Effective Dewatering Technology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9053. | 1.3 | 8 |
| 9 | 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 |
| 10 | Removal of dye using peroxidase-immobilized Bucky paper/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 |
| 11 | Modeling and optimization by particle swarm embedded neural network for adsorption of methylene blue by jicama peroxidase immobilized on bucky paper/polyvinyl alcohol membrane. <i>Environmental Research</i> , 2020, 183, 109158. | 3.7 | 60 |
| 12 | 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 |
| 13 | 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 |
| 14 | Functionalized carbon nanomaterials for wastewater treatment. , 2019, , 283-311. | | 10 |
| 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 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 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 | Isolation and characterization of urease-producing bacteria from tropical peat. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 13, 168-175. | 1.5 | 41 |
| 22 | 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 |
| 23 | 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 |
| 24 | Towards targeted cancer therapy: Aptamer or oncolytic virus?. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 8-19. | 1.9 | 23 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |