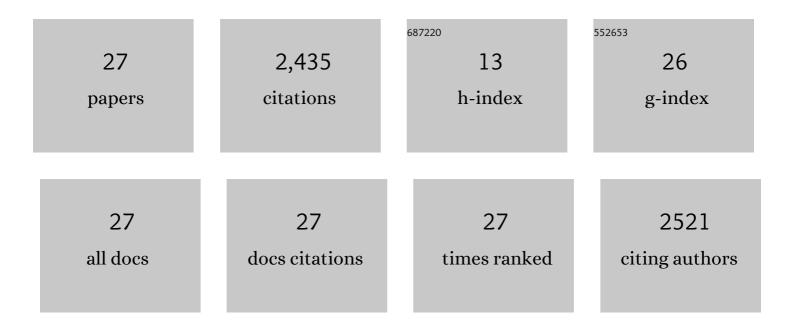
Sie Yon Lau

List of Publications by Year in descending order

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SIE VON LAU

#	Article	IF	CITATIONS
1	Influence of environmental stress on microalgae growth and lipid profile: a systematic review. Phytochemistry Reviews, 2023, 22, 879-901.	3.1	13
2	3D graphene-based adsorbents: Synthesis, proportional analysis and potential applications in oil elimination. Chemosphere, 2022, 287, 132129.	4.2	15
3	Green approaches for the synthesis of metal and metal oxide nanoparticles using microbial and plant extracts. Nanoscale, 2022, 14, 2534-2571.	2.8	149
4	Recent advancements in enzymeâ€incorporated nanomaterials: Synthesis, mechanistic formation, and applications. Biotechnology and Bioengineering, 2022, 119, 2609-2638.	1.7	9
5	Biosynthesis of Tithonia diversifolia leaf mediated Zinc Oxide Nanoparticles loaded with flamboyant pods (Delonix regia) for the treatment of Methylene Blue Wastewater. Arabian Journal of Chemistry, 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. Waste and Biomass Valorization, 2020, 11, 1403-1419.	1.8	5
7	Modelling of methylene blue adsorption using peroxidase immobilized functionalized Buckypaper/polyvinyl alcohol membrane via ant colony optimization. Environmental Pollution, 2020, 259, 113940.	3.7	68
8	Microalgal Biomass Generation via Electroflotation: A Cost-Effective Dewatering Technology. Applied Sciences (Switzerland), 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. Journal of Drug Delivery Science and Technology, 2020, 57, 101764.	1.4	8
10	Removal of dye using peroxidase-immobilized Buckypaper/polyvinyl alcohol membrane in a multi-stage filtration column via RSM and ANFIS. Environmental Science and Pollution Research, 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 buckypaper/polyvinyl alcohol membrane. Environmental Research, 2020, 183, 109158.	3.7	60
12	Process design and economic studies of two-step fermentation for production of ascorbic acid. SN Applied Sciences, 2020, 2, 1.	1.5	10
13	Potential and challenges of enzyme incorporated nanotechnology in dye wastewater treatment: A review. Journal of Environmental Chemical Engineering, 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. Journal of Cleaner Production, 2019, 230, 527-535.	4.6	13
16	Synthesis of peroxidaseâ€encapsulated sodium cellulose sulphate/polyâ€dimethylâ€diallylâ€ammonium chloride biopolymer via polyelectrolyte complexation for enhanced removal of phenol. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2296.	0.8	2
17	Design and characterization of a multiâ€layered polymeric drug delivery vehicle. Canadian Journal of Chemical Engineering, 2019, 97, 1243-1252.	0.9	4
18	Process evaluation and in vitro selectivity analysis of aptamer-drug polymeric formulation for targeted pharmaceutical delivery. Biomedicine and Pharmacotherapy, 2018, 101, 996-1002.	2.5	4

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#	Article	IF	CITATIONS
19	Chromatographic characterisation of aptamer-modified poly(EDMA-co-GMA) monolithic disk format for protein binding and separation. Separation Science and Technology, 2018, 53, 2100-2111.	1.3	5
20	Biophysical characterization of layerâ€byâ€layer synthesis of aptamerâ€drug microparticles for enhanced cell targeting. Biotechnology Progress, 2018, 34, 249-261.	1.3	8
21	Isolation and characterization of urease-producing bacteria from tropical peat. Biocatalysis and Agricultural Biotechnology, 2018, 13, 168-175.	1.5	41
22	Efficiency of various recent wastewater dye removal methods: A review. Journal of Environmental Chemical Engineering, 2018, 6, 4676-4697.	3.3	1,525
23	An overview of functionalised carbon nanomaterial for organic pollutant removal. Journal of Industrial and Engineering Chemistry, 2018, 67, 175-186.	2.9	104
24	Towards targeted cancer therapy: Aptamer or oncolytic virus?. European Journal of Pharmaceutical Sciences, 2017, 96, 8-19.	1.9	23
25	Enzymatic treatment of methyl orange dye in synthetic wastewater by plant-based peroxidase enzymes. Journal of Environmental Chemical Engineering, 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. Chemical Engineering Journal, 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. Journal of Membrane Science, 2010, 357, 109-121.	4.1	30