

Billie Yan Zhang Hiew

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,195
citations

758635

12
h-index

940134

16
g-index

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all docs

17
docs citations

17
times ranked

1548
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a highly recoverable 3D MnO ₂ /rGO hybrid aerogel for efficient adsorptive separation of pharmaceutical residue. <i>Journal of Environmental Sciences</i> , 2022, 118, 194-203.	3.2	9
2	Utilisation of environmentally friendly okara-based biosorbent for cadmium(II) removal. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40608-40622.	2.7	14
3	Evaluation of industrial palm oil sludge as an effective green adsorbing substrate for toxic aqueous cadmium removal. <i>Materials Science for Energy Technologies</i> , 2021, 4, 224-235.	1.0	2
4	Usage of a new macro-hierarchical graphene sponge in batch adsorption and packed column configuration for efficient decontamination of cadmium in aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106057.	3.3	11
5	Applicability of a novel and highly effective adsorbent derived from industrial palm oil mill sludge for copper sequestration: Central composite design optimisation and adsorption performance evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105968.	3.3	13
6	Valorisation of oil palm wastes into high yield and energy content biochars via slow pyrolysis: Multivariate process optimisation and combustion kinetic studies. <i>Materials Science for Energy Technologies</i> , 2020, 3, 601-610.	1.0	17
7	Utilisation of eco-friendly and low cost 3D graphene-based composite for treatment of aqueous Reactive Black 5 dye: Characterisation, adsorption mechanism and recyclability studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 114, 57-66.	2.7	44
8	Facile synthesis of xanthan biopolymer integrated 3D hierarchical graphene oxide/titanium dioxide composite for adsorptive lead removal in wastewater. <i>Bioresource Technology</i> , 2020, 309, 123296.	4.8	58
9	Adsorptive removal of diclofenac by graphene oxide: Optimization, equilibrium, kinetic and thermodynamic studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 150-162.	2.7	63
10	Environmental application of three-dimensional graphene materials as adsorbents for dyes and heavy metals: Review on ice-templating method and adsorption mechanisms. <i>Journal of Environmental Sciences</i> , 2019, 79, 174-199.	3.2	136
11	Ice-templated graphene oxide/chitosan aerogel as an effective adsorbent for sequestration of metanil yellow dye. <i>Bioresource Technology</i> , 2019, 274, 134-144.	4.8	99
12	Review on graphene and its derivatives: Synthesis methods and potential industrial implementation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 163-180.	2.7	335
13	Adsorptive decontamination of diclofenac by three-dimensional graphene-based adsorbent: Response surface methodology, adsorption equilibrium, kinetic and thermodynamic studies. <i>Environmental Research</i> , 2019, 168, 241-253.	3.7	132
14	Review on synthesis of 3D graphene-based configurations and their adsorption performance for hazardous water pollutants. <i>Chemical Engineering Research and Design</i> , 2018, 116, 262-286.	2.7	124
15	Assessment of fish scales waste as a low cost and eco-friendly adsorbent for removal of an azo dye: Equilibrium, kinetic and thermodynamic studies. <i>Bioresource Technology</i> , 2017, 245, 656-664.	4.8	96
16	Multistage optimizations of slow pyrolysis synthesis of biochar from palm oil sludge for adsorption of lead. <i>Bioresource Technology</i> , 2017, 245, 944-953.	4.8	41