

# 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

17  
all docs

17  
docs citations

17  
times ranked

1548  
citing authors

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