Alfin Kurniawan

List of Publications by Year in Descending Order

48 papers	1,318 citations	23 h-index	35 g-index
49 ext. papers	1,534 ext. citations	6.1 avg, IF	4.62 L-index

#	Paper	IF	Citations
48	Investigation of the influence of crosslinking activation methods on the physicochemical and Cu(II) adsorption characteristics of cellulose hydrogels. *Journal of Environmental Chemical Engineering*, **2022**, 10, 106971	6.8	0
47	Inclusion of organic species in exfoliated montmorillonite nanolayers towards hierarchical functional inorganic-organic nanostructures. *Soft Matter*, **2021**, 17, 9819-9841	3.6	1
46	Facile synthesis of hierarchical porous ZIF-8@TiO2 for simultaneous adsorption and photocatalytic decomposition of crystal violet. *Environmental Nanotechnology, Monitoring and Management*, **2021**, 16, 100598	3.3	1
45	Highly Efficient Degradation of Organic Pollutant Mixtures by a Fe(III)-Based MOF-Catalyzed Fenton-like Process in Subcritical Water. *Journal of Molecular Liquids*, **2021**, 117989	6	2
44	Iron (II) impregnated double-shelled hollow mesoporous silica as acid-base bifunctional catalyst for the conversion of low-quality oil to methyl esters. *Renewable Energy*, **2021**, 169, 1166-1174	8.1	8
43	Double-shelled hollow mesoporous silica incorporated copper (II) (Cu/DS-HMS-NH2) as a catalyst to promote in-situ esterification/transesterification of low-quality palm oil. *International Journal of Energy Research*, **2021**, 45, 19929	4.5	
42	Efficient One-Step Conversion of a Low-Grade Vegetable Oil to Biodiesel over a Zinc Carboxylate Metal-Organic Framework. *ACS Omega*, **2021**, 6, 1834-1845	3.9	4
41	Microwave plasma treated composites of Cu/Cu2O nanoparticles on electrospun poly(N-vinylpyrrolidone) fibers as highly effective photocatalysts for reduction of organic dyes and 4-nitrophenol. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 107, 171-181	5.3	11
40	Saponin-intercalated organoclays for adsorptive removal of □-carotene: Equilibrium, reusability, and phytotoxicity assessment. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 117, 198-208	5.3	6
39	Modulated transdermal delivery of nonsteroidal anti-inflammatory drug by macroporous poly(vinyl alcohol)-graphene oxide nanocomposite films. *International Journal of Pharmaceutics*, **2019**, 566, 708-716	6.5	10
38	Eco-friendly cellulose□bentonite porous composite hydrogels for adsorptive removal of azo dye and soilless culture. *Cellulose*, **2019**, 26, 3339-3358	5.5	34
37	Single step and mask-free 3D wax printing of microfluidic paper-based analytical devices for glucose and nitrite assays. *Talanta*, **2019**, 194, 837-845	6.2	57
36	Disposable electrochemical sensor based on copper-electrodeposited screen-printed gold electrode and its application in sensing l-Cysteine. *Electrochimica Acta*, **2019**, 293, 318-327	6.7	25
35	Electrospun titania fiber mats spin coated with thin polymer films as nanofibrous scaffolds for enhanced cell proliferation. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 1111-1122	4.4	
34	Interfacial Effect of Oxygen-Doped Nanodiamond on CuO and Micropyramidal Silicon Heterostructures for Efficient Nonenzymatic Glucose Sensor.. *ACS Applied Bio Materials*, **2018**, 1, 1579-1586	4.1	16
33	Removal of crystal violet dye by adsorption using bentonite□alginate composite. *Journal of Environmental Chemical Engineering*, **2017**, 5, 5677-5687	6.8	103
32	Nanocellulose based biosorbents for wastewater treatment: Study of isotherm, kinetic, thermodynamic and reusability. *Environmental Nanotechnology, Monitoring and Management*, **2017**, 8, 134-149	3.3	54

31	Cellulose nanocrystals from passion fruit peels waste as antibiotic drug carrier. *Carbohydrate Polymers*, **2017**, 175, 370-376	10.3	48
30	Gold nanoparticles-decorated electrospun poly(N-vinyl-2-pyrrolidone) nanofibers with tunable size and coverage density for nanomolar detection of single and binary component dyes by surface-enhanced raman spectroscopy. *Nanotechnology*, **2017**, 28, 355703	3.4	10
29	Biocompatibility and drug release behavior of curcumin conjugated gold nanoparticles from aminosilane-functionalized electrospun poly(N-vinyl-2-pyrrolidone) fibers. *International Journal of Pharmaceutics*, **2017**, 516, 158-169	6.5	22
28	Adsorption and photocatalytic performance of bentonite-titanium dioxide composites for methylene blue and rhodamine B decoloration. *Heliyon*, **2017**, 3, e00488	3.6	51
27	Ammonia removal from water using sodium hydroxide modified zeolite mordenite. *RSC Advances*, **2015**, 5, 83689-83699	3.7	38
26	Production of gamma-valerolactone from sugarcane bagasse over TiO2-supported platinum and acid-activated bentonite as a co-catalyst. *RSC Advances*, **2015**, 5, 41285-41299	3.7	29
25	Investigation on supercritical CO2 extraction of phenolic-phytochemicals from an epiphytic plant tuber (Myrmecodia pendans). *Journal of CO2 Utilization*, **2014**, 6, 26-33	7.6	17
24	Antibiotic detoxification from synthetic and real effluents using a novel MTAB surfactant-montmorillonite (organoclay) sorbent. *RSC Advances*, **2014**, 4, 16298-16311	3.7	32
23	Easy approach to synthesize N/P/K co-doped porous carbon microfibers from cane molasses as a high performance supercapacitor electrode material. *RSC Advances*, **2014**, 4, 34739-34750	3.7	15
22	Synthesis of biodiesel from vegetable oils wastewater sludge by in-situ subcritical methanol transesterification: Process evaluation and optimization. *Biomass and Bioenergy*, **2014**, 69, 28-38	5.3	33
21	Investigation of the continuous flow sorption of heavy metals in a biomass-packed column: revisiting the Thomas design model for correlation of binary component systems. *RSC Advances*, **2014**, 4, 52856-52870	3.7	19
20	Preparation of nanoporous carbon microspheres by subcritical water carbonization and electrocapacitive study. *Electrochimica Acta*, **2013**, 111, 99-107	6.7	12
19	Bio-oil from cassava peel: a potential renewable energy source. *Bioresource Technology*, **2013**, 145, 157-61	11	44
18	Transesterification of leather tanning waste to biodiesel at supercritical condition: Kinetics and thermodynamics studies. *Journal of Supercritical Fluids*, **2013**, 75, 11-20	4.2	84
17	Solubilities of 3-acetylpyridine in supercritical carbon dioxide at several temperatures and pressures: Experimental and modeling. *Fluid Phase Equilibria*, **2013**, 354, 127-132	2.5	4
16	Recovery of catechin and epicatechin from sago waste effluent: Study of kinetic and binary adsorption isotherm studies. *Chemical Engineering Journal*, **2013**, 231, 406-413	14.7	16
15	Measurement and mathematical modeling of solubility of buttery-odor substance (acetoin) in supercritical CO2 at several pressures and temperatures. *Fluid Phase Equilibria*, **2013**, 356, 102-108	2.5	7
14	Optimization of catalyst-free production of biodiesel from Ceiba pentandra (kapok) oil with high free fatty acid contents. *Energy*, **2013**, 57, 615-623	7.9	41

13	Incorporation of selectivity factor in modeling binary component adsorption isotherms for heavy metals-biomass system. *Chemical Engineering Journal*, **2013**, 219, 137-148	14.7	39
12	Novel, Integrated Biorefinery Approach of Ceiba pentandra (Kapok) Seed and Its Secondary Waste. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 473-480	8.3	5
11	Solubility of azadirachtin and several triterpenoid compounds extracted from neem seed kernel in supercritical CO2. *Fluid Phase Equilibria*, **2012**, 336, 9-15	2.5	11
10	A facile and green preparation of durian shell-derived carbon electrodes for electrochemical double-layer capacitors. *Progress in Natural Science: Materials International*, **2012**, 22, 624-630	3.6	23
9	Removal of copper ions from aqueous solution by adsorption using LABORATORIES-modified bentonite (organo-bentonite). *Frontiers of Chemical Science and Engineering*, **2012**, 6, 58-66	4.5	25
8	Removal of basic dyes in binary system by adsorption using rarasaponin bentonite: Revisited of extended Langmuir model. *Chemical Engineering Journal*, **2012**, 189-190, 264-274	14.7	78
7	Potential utilization of Jatropha curcas L. press-cake residue as new precursor for activated carbon preparation: Application in methylene blue removal from aqueous solution. *Journal of the Taiwan Institute of Chemical Engineers*, **2011**, 42, 826-836	5.3	36
6	Modified Ponorogo bentonite for the removal of ampicillin from wastewater. *Journal of Hazardous Materials*, **2011**, 190, 1001-8	12.8	68
5	Evaluation of cassava peel waste as lowcost biosorbent for Ni-sorption: Equilibrium, kinetics, thermodynamics and mechanism. *Chemical Engineering Journal*, **2011**, 172, 158-166	14.7	65
4	Performance of durian shell waste as high capacity biosorbent for Cr(VI) removal from synthetic wastewater. *Ecological Engineering*, **2011**, 37, 940-947	3.9	42
3	Utilization of rarasaponin natural surfactant for organo-bentonite preparation: Application for methylene blue removal from aqueous effluent. *Microporous and Mesoporous Materials*, **2011**, 142, 184-193	5.3	51
2	Organo-bentonite for the adsorption of Pb(II) from aqueous solution: Temperature dependent parameters of several adsorption equations. *Desalination and Water Treatment*, **2011**, 36, 280-288		17
1	Renewable rarasaponin-bentonite-alginate composite with sponge-like structure and its application for crystal violet removal from aqueous solution160, 354-365		3