

Alfin Kurniawan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Removal of crystal violet dye by adsorption using bentonite- β -alginate composite. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5677-5687	6.8	103
47	Transesterification of leather tanning waste to biodiesel at supercritical condition: Kinetics and thermodynamics studies. <i>Journal of Supercritical Fluids</i> , 2013 , 75, 11-20	4.2	84
46	Removal of basic dyes in binary system by adsorption using rarasaponin-Bentonite: Revisited of extended Langmuir model. <i>Chemical Engineering Journal</i> , 2012 , 189-190, 264-274	14.7	78
45	Modified Ponorogo bentonite for the removal of ampicillin from wastewater. <i>Journal of Hazardous Materials</i> , 2011 , 190, 1001-8	12.8	68
44	Evaluation of cassava peel waste as lowcost biosorbent for Ni-sorption: Equilibrium, kinetics, thermodynamics and mechanism. <i>Chemical Engineering Journal</i> , 2011 , 172, 158-166	14.7	65
43	Single step and mask-free 3D wax printing of microfluidic paper-based analytical devices for glucose and nitrite assays. <i>Talanta</i> , 2019 , 194, 837-845	6.2	57
42	Nanocellulose based biosorbents for wastewater treatment: Study of isotherm, kinetic, thermodynamic and reusability. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017 , 8, 134-149	3.3	54
41	Adsorption and photocatalytic performance of bentonite-titanium dioxide composites for methylene blue and rhodamine B decoloration. <i>Heliyon</i> , 2017 , 3, e00488	3.6	51
40	Utilization of rarasaponin natural surfactant for organo-bentonite preparation: Application for methylene blue removal from aqueous effluent. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 184-193	5.3	51
39	Cellulose nanocrystals from passion fruit peels waste as antibiotic drug carrier. <i>Carbohydrate Polymers</i> , 2017 , 175, 370-376	10.3	48
38	Bio-oil from cassava peel: a potential renewable energy source. <i>Bioresource Technology</i> , 2013 , 145, 157-61	6.1	44
37	Performance of durian shell waste as high capacity biosorbent for Cr(VI) removal from synthetic wastewater. <i>Ecological Engineering</i> , 2011 , 37, 940-947	3.9	42
36	Optimization of catalyst-free production of biodiesel from Ceiba pentandra (kapok) oil with high free fatty acid contents. <i>Energy</i> , 2013 , 57, 615-623	7.9	41
35	Incorporation of selectivity factor in modeling binary component adsorption isotherms for heavy metals-biomass system. <i>Chemical Engineering Journal</i> , 2013 , 219, 137-148	14.7	39
34	Ammonia removal from water using sodium hydroxide modified zeolite mordenite. <i>RSC Advances</i> , 2015 , 5, 83689-83699	3.7	38
33	Potential utilization of Jatropha curcas L. press-cake residue as new precursor for activated carbon preparation: Application in methylene blue removal from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011 , 42, 826-836	5.3	36
32	Eco-friendly cellulose-Bentonite porous composite hydrogels for adsorptive removal of azo dye and soilless culture. <i>Cellulose</i> , 2019 , 26, 3339-3358	5.5	34

31	Synthesis of biodiesel from vegetable oils wastewater sludge by in-situ subcritical methanol transesterification: Process evaluation and optimization. <i>Biomass and Bioenergy</i> , 2014 , 69, 28-38	5.3	33
30	Antibiotic detoxification from synthetic and real effluents using a novel MTAB surfactant-montmorillonite (organoclay) sorbent. <i>RSC Advances</i> , 2014 , 4, 16298-16311	3.7	32
29	Production of gamma-valerolactone from sugarcane bagasse over TiO ₂ -supported platinum and acid-activated bentonite as a co-catalyst. <i>RSC Advances</i> , 2015 , 5, 41285-41299	3.7	29
28	Removal of copper ions from aqueous solution by adsorption using LABORATORIES-modified bentonite (organo-bentonite). <i>Frontiers of Chemical Science and Engineering</i> , 2012 , 6, 58-66	4.5	25
27	Disposable electrochemical sensor based on copper-electrodeposited screen-printed gold electrode and its application in sensing l-Cysteine. <i>Electrochimica Acta</i> , 2019 , 293, 318-327	6.7	25
26	A facile and green preparation of durian shell-derived carbon electrodes for electrochemical double-layer capacitors. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 624-630	3.6	23
25	Biocompatibility and drug release behavior of curcumin conjugated gold nanoparticles from aminosilane-functionalized electrospun poly(N-vinyl-2-pyrrolidone) fibers. <i>International Journal of Pharmaceutics</i> , 2017 , 516, 158-169	6.5	22
24	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. <i>RSC Advances</i> , 2014 , 4, 52856-52870	3.7	19
23	Investigation on supercritical CO ₂ extraction of phenolic-phytochemicals from an epiphytic plant tuber (<i>Myrmecodia pendans</i>). <i>Journal of CO₂ Utilization</i> , 2014 , 6, 26-33	7.6	17
22	Organo-bentonite for the adsorption of Pb(II) from aqueous solution: Temperature dependent parameters of several adsorption equations. <i>Desalination and Water Treatment</i> , 2011 , 36, 280-288		17
21	Recovery of catechin and epicatechin from sago waste effluent: Study of kinetic and binary adsorption isotherm studies. <i>Chemical Engineering Journal</i> , 2013 , 231, 406-413	14.7	16
20	Interfacial Effect of Oxygen-Doped Nanodiamond on CuO and Micropyramidal Silicon Heterostructures for Efficient Nonenzymatic Glucose Sensor.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1579-1586	4.1	16
19	Easy approach to synthesize N/P/K co-doped porous carbon microfibers from cane molasses as a high performance supercapacitor electrode material. <i>RSC Advances</i> , 2014 , 4, 34739-34750	3.7	15
18	Preparation of nanoporous carbon microspheres by subcritical water carbonization and electrocapacitive study. <i>Electrochimica Acta</i> , 2013 , 111, 99-107	6.7	12
17	Solubility of azadirachtin and several triterpenoid compounds extracted from neem seed kernel in supercritical CO ₂ . <i>Fluid Phase Equilibria</i> , 2012 , 336, 9-15	2.5	11
16	Microwave plasma treated composites of Cu/Cu ₂ O nanoparticles on electrospun poly(N-vinylpyrrolidone) fibers as highly effective photocatalysts for reduction of organic dyes and 4-nitrophenol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 107, 171-181	5.3	11
15	Modulated transdermal delivery of nonsteroidal anti-inflammatory drug by macroporous poly(vinyl alcohol)-graphene oxide nanocomposite films. <i>International Journal of Pharmaceutics</i> , 2019 , 566, 708-716	6.5	10
14	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. <i>Nanotechnology</i> , 2017 , 28, 355703	3.4	10

13	Iron (II) impregnated double-shelled hollow mesoporous silica as acid-base bifunctional catalyst for the conversion of low-quality oil to methyl esters. <i>Renewable Energy</i> , 2021 , 169, 1166-1174	8.1	8
12	Measurement and mathematical modeling of solubility of butyryl-odor substance (acetoin) in supercritical CO ₂ at several pressures and temperatures. <i>Fluid Phase Equilibria</i> , 2013 , 356, 102-108	2.5	7
11	Saponin-intercalated organoclays for adsorptive removal of β -carotene: Equilibrium, reusability, and phytotoxicity assessment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 117, 198-208	5.3	6
10	Novel, Integrated Biorefinery Approach of Ceiba pentandra (Kapok) Seed and Its Secondary Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 473-480	8.3	5
9	Solubilities of 3-acetylpyridine in supercritical carbon dioxide at several temperatures and pressures: Experimental and modeling. <i>Fluid Phase Equilibria</i> , 2013 , 354, 127-132	2.5	4
8	Efficient One-Step Conversion of a Low-Grade Vegetable Oil to Biodiesel over a Zinc Carboxylate Metal-Organic Framework. <i>ACS Omega</i> , 2021 , 6, 1834-1845	3.9	4
7	Renewable rarasaponin-bentonite-alginate composite with sponge-like structure and its application for crystal violet removal from aqueous solution	160, 354-365	3
6	Highly Efficient Degradation of Organic Pollutant Mixtures by a Fe(III)-Based MOF-Catalyzed Fenton-like Process in Subcritical Water. <i>Journal of Molecular Liquids</i> , 2021 , 117989	6	2
5	Inclusion of organic species in exfoliated montmorillonite nanolayers towards hierarchical functional inorganic-organic nanostructures. <i>Soft Matter</i> , 2021 , 17, 9819-9841	3.6	1
4	Facile synthesis of hierarchical porous ZIF-8@TiO ₂ for simultaneous adsorption and photocatalytic decomposition of crystal violet. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100598	3.3	1
3	Investigation of the influence of crosslinking activation methods on the physicochemical and Cu(II) adsorption characteristics of cellulose hydrogels. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 106971	6.8	0
2	Double-shelled hollow mesoporous silica incorporated copper (II) (Cu/DS-HMS-NH ₂) as a catalyst to promote in-situ esterification/transesterification of low-quality palm oil. <i>International Journal of Energy Research</i> , 2021 , 45, 19929	4.5	
1	Electrospun titania fiber mats spin coated with thin polymer films as nanofibrous scaffolds for enhanced cell proliferation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1111-1122	4.4	