

Dison Franco

List of Publications by Year in descending order

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28
papers

1,378
citations

318942

23
h-index

563245

28
g-index

28
all docs

28
docs citations

28
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of <i>Cordia trichotoma</i> sawdust as an effective biosorbent for removal of crystal violet from aqueous solution in batch system and fixed-bed column. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6771-6783.	2.7	26
2	High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (<i>Syagrus romanzoffiana</i>). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104911.	3.3	79
3	Transforming shrub waste into a high-efficiency adsorbent: Application of <i>Physalis peruvian</i> chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104574.	3.3	56
4	Macro-fungal (<i>Agaricus bisporus</i>) wastes as an adsorbent in the removal of the acid red 97 and crystal violet dyes from ideal colored effluents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 405-415.	2.7	24
5	Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105178.	3.3	38
6	Conversion of the forest species <i>Inga marginata</i> and <i>Tipuana tipu</i> wastes into biosorbents: Dye biosorption study from isotherm to mass transfer. <i>Environmental Technology and Innovation</i> , 2021, 22, 101521.	3.0	10
7	Development of highly porous activated carbon from <i>Jacaranda mimosifolia</i> seed pods for remarkable removal of aqueous-phase ketoprofen. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105676.	3.3	54
8	Application of Thermally Treated Water Treatment Sludge as a Remarkable Adsorbent Towards Emerging Pollutant Removal from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	1
9	Green synthesis of carbon nanotubes impregnated with metallic nanoparticles: Characterization and application in glyphosate adsorption. <i>Chemosphere</i> , 2021, 283, 131193.	4.2	42
10	Adsorption of dyes brilliant blue, sunset yellow and tartrazine from aqueous solution on chitosan: Analytical interpretation via multilayer statistical physics model. <i>Chemical Engineering Journal</i> , 2020, 382, 122952.	6.6	123
11	Analysis of indium (III) adsorption from leachates of LCD screens using artificial neural networks (ANN) and adaptive neuro-fuzzy inference systems (ANIFS). <i>Journal of Hazardous Materials</i> , 2020, 384, 121137.	6.5	33
12	Adsorption of acid green and procion red on a magnetic geopolymer based adsorbent: Experiments, characterization and theoretical treatment. <i>Chemical Engineering Journal</i> , 2020, 383, 123113.	6.6	61
13	Water treatment plant sludge as iron source to catalyze a heterogeneous photo-Fenton reaction. <i>Environmental Technology and Innovation</i> , 2020, 17, 100544.	3.0	38
14	Preparation and characterization of a novel mountain soursop seeds powder adsorbent and its application for the removal of crystal violet and methylene blue from aqueous solutions. <i>Chemical Engineering Journal</i> , 2020, 391, 123617.	6.6	70
15	An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104546.	3.3	49
16	A mass transfer study considering intraparticle diffusion and axial dispersion for fixed-bed adsorption of crystal violet on pecan pericarp (<i>Carya illinoensis</i>). <i>Chemical Engineering Journal</i> , 2020, 397, 125423.	6.6	52
17	Interpretations on the mechanism of In(III) adsorption onto chitosan and chitin: A mass transfer model approach. <i>Journal of Molecular Liquids</i> , 2020, 304, 112758.	2.3	26
18	Adsorption of hazardous dyes on functionalized multiwalled carbon nanotubes in single and binary systems: Experimental study and physicochemical interpretation of the adsorption mechanism. <i>Chemical Engineering Journal</i> , 2020, 389, 124467.	6.6	125

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19	Powdered biosorbent from the mandacaru cactus (<i>cereus jamacaru</i>) for discontinuous and continuous removal of Basic Fuchsin from aqueous solutions. <i>Powder Technology</i> , 2020, 364, 584-592.	2.1	47
20	Insights of the adsorption mechanism of methylene blue on brazilian berries seeds: Experiments, phenomenological modelling and DFT calculations. <i>Chemical Engineering Journal</i> , 2020, 394, 125011.	6.6	60
21	Powdered biosorbent from pecan pericarp (<i>Carya illinoensis</i>) as an efficient material to uptake methyl violet 2B from effluents in batch and column operations. <i>Advanced Powder Technology</i> , 2020, 31, 2843-2852.	2.0	40
22	Adsorption of crystal violet on biomasses from pecan nutshell, para chestnut husk, araucaria bark and palm cactus: Experimental study and theoretical modeling via monolayer and double layer statistical physics models. <i>Chemical Engineering Journal</i> , 2019, 378, 122101.	6.6	148
23	Potentiality of the <i>Phoma</i> sp. inactive fungal biomass, a waste from the bioherbicide production, for the treatment of colored effluents. <i>Chemosphere</i> , 2019, 235, 596-605.	4.2	22
24	Investigation of the adsorption mechanism of methylene blue (MB) on <i>Cortaderia selloana</i> flower spikes (FSs) and on <i>Cortaderia selloana</i> flower spikes derived carbon fibers (CFs). <i>Journal of Molecular Liquids</i> , 2019, 280, 268-273.	2.3	22
25	Applicability of Coal Bottom Ash from Thermoelectric Power Plant as an Alternative Heterogeneous Catalyst in Photo-Fenton Reaction. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	13
26	Potential of <i>Araucaria angustifolia</i> bark as adsorbent to remove Gentian Violet dye from aqueous effluents. <i>Water Science and Technology</i> , 2018, 78, 1693-1703.	1.2	43
27	Adsorption of Co(II) from aqueous solutions onto rice husk modified by ultrasound assisted and supercritical technologies. <i>Chemical Engineering Research and Design</i> , 2017, 109, 55-62.	2.7	32
28	Single and binary adsorption of cobalt and methylene blue on modified chitin: Application of the Hill and exclusive extended Hill models. <i>Journal of Molecular Liquids</i> , 2017, 233, 543-550.	2.3	44