

Matias Schadeck Netto

List of Publications by Citations

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49
papers

811
citations

16
h-index

27
g-index

51
ext. papers

1,381
ext. citations

6.7
avg, IF

5.07
L-index

#	Paper	IF	Citations
49	Adsorption of congo red and methylene blue dyes on an ashitaba waste and a walnut shell-based activated carbon from aqueous solutions: Experiments, characterization and physical interpretations. <i>Chemical Engineering Journal</i> , 2020 , 388, 124263	14.7	150
48	Interpretation of the adsorption mechanism of Reactive Black 5 and Ponceau 4R dyes on chitosan/polyamide nanofibers via advanced statistical physics model. <i>Journal of Molecular Liquids</i> , 2019 , 285, 165-170	6	83
47	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	14.7	67
46	Highly efficient adsorption performance of a novel magnetic geopolymer/Fe ₃ O ₄ composite towards removal of aqueous acid green 16 dye. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103804	6.8	35
45	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	14.7	33
44	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	14.7	32
43	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	14.7	28
42	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	6.8	28
41	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	6.8	28
40	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	5.2	26
39	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	4.6	23
38	Transforming shrub waste into a high-efficiency adsorbent: Application of <i>Physalis peruviana</i> chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104574	6.8	22
37	Araticum (<i>Annona crassiflora</i>) seed powder (ASP) for the treatment of colored effluents by biosorption. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 11184-11194	5.1	20
36	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	6.8	20
35	Utilization of Pacara Earpod tree (<i>Enterolobium contortisilquum</i>) and Ironwood (<i>Caesalpinia leiostachya</i>) seeds as low-cost biosorbents for removal of basic fuchsin. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 33307-33320	5.1	19
34	Treatment of water containing methylene by biosorption using Brazilian berry seeds (<i>Eugenia uniflora</i>). <i>Environmental Science and Pollution Research</i> , 2020 , 27, 20831-20843	5.1	17
33	Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from <i>Butia capitata</i> endocarp. <i>Journal of Molecular Liquids</i> , 2021 , 339, 117184	6	16

32	Highly effective adsorption of synthetic phenol effluent by a novel activated carbon prepared from fruit wastes of the <i>Ceiba speciosa</i> forest species. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105927	6.8	16
31	Evaluation of <i>Ocotea puberula</i> bark powder (OPBP) as an effective adsorbent to uptake crystal violet from colored effluents: alternative kinetic approaches. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 25727-25739	5.1	14
30	Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1525-1543	13.3	14
29	Trapping of Ag ⁺ , Cu ²⁺ , and Co ²⁺ by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. <i>Chemical Engineering Journal</i> , 2021 , 420, 12774-12787	14.7	13
28	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105421	6.8	13
27	Effect of Salinity on the Adsorption Behavior of Methylene Blue onto Comminuted Raw Avocado Residue: CCD-RSM Design. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	11
26	Paddle cactus (<i>Tacinga palmadora</i>) as potential low-cost adsorbent to treat textile effluents containing crystal violet. <i>Chemical Engineering Communications</i> , 2020 , 207, 1368-1379	2.2	10
25	Analysis of adsorption isotherms of Ag ⁺ , Co ²⁺ , and Cu ²⁺ onto zeolites using computational intelligence models. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104960	6.8	9
24	Preparation of a novel magnetic geopolymer/zero-valent iron composite with remarkable adsorption performance towards aqueous Acid Red 97. <i>Chemical Engineering Communications</i> , 2020 , 207, 1048-1061	2.2	8
23	Application of seed residues from <i>Anadenanthera macrocarpa</i> and <i>Cedrela fissilis</i> as alternative adsorbents for remarkable removal of methylene blue dye in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 2342-2354	5.1	7
22	Utilization of different parts of <i>Moringa oleifera</i> Lam. seeds as biosorbents to remove Acid Blue 9 synthetic dye. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105553	6.8	6
21	SYNTHESIS OF SPHERICAL BACTERIAL NANOCELLULOSE AS A POTENTIAL SILVER ADSORPTION AGENT FOR ANTIMICROBIAL PURPOSES. <i>Cellulose Chemistry and Technology</i> , 2020 , 54, 285-290	1.9	5
20	An overview of geological originated materials as a trend for adsorption in wastewater treatment. <i>Geoscience Frontiers</i> , 2021 , 101150	6	5
19	Adsorption investigation of 2,4-D herbicide on acid-treated peanut (<i>Arachis hypogaea</i>) skins. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 36453-36463	5.1	5
18	Preparation of activated carbon from the residues of the mushroom (<i>Agaricus bisporus</i>) production chain for the adsorption of the 2,4-dichlorophenoxyacetic herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106843	6.8	4
17	Successful adsorption of bright blue and methylene blue on modified pods of <i>Caesalpinia echinata</i> in discontinuous system. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 8407-8420	5.1	4
16	A new method of developing ANN-isotherm hybrid models for the determination of thermodynamic parameters in the adsorption of ions Ag ⁺ , Co ²⁺ and Cu ²⁺ onto zeolites ZSM-5, HY, and 4A. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106126	6.8	4
15	Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. <i>Journal of Molecular Liquids</i> , 2021 , 347, 117990	6	3

14	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	7	3
13	Effective adsorptive removal of atrazine herbicide in river waters by a novel hydrochar derived from <i>Prunus serrulata</i> bark. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
12	Efficient removal of naproxen from aqueous solution by highly porous activated carbon produced from Grapetree (<i>Plinia cauliflora</i>) fruit peels. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106820	6.8	2
11	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using HSO activated <i>Campomanesia guazumifolia</i> bark. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
10	Adsorption and mass transfer studies of methylene blue onto comminuted seedpods from <i>Luehea divaricata</i> and <i>Inga laurina</i> . <i>Environmental Science and Pollution Research</i> , 2021 , 28, 20854-20868	5.1	2
9	Transforming pods of the species <i>Capparis flexuosa</i> into effective biosorbent to remove blue methylene and bright blue in discontinuous and continuous systems. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 8036-8049	5.1	1
8	Effective removal of non-steroidal anti-inflammatory drug from wastewater by adsorption process using acid-treated <i>Fagopyrum esculentum</i> husk.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
7	A study of single and quaternary adsorption of Cu^{2+} , Co^{2+} , Ni^{2+} and Ag^{+} on sludge modified by alkaline fusion. <i>Chemical Engineering Journal</i> , 2021 , 133674	14.7	0
6	Development of activated carbon from <i>Schizolobium parahyba</i> (guapuruvu) residues employed for the removal of ketoprofen. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
5	Adsorption performance of Food Red 17 dye using an eco-friendly material based on <i>Luffa cylindrica</i> and chitosan. <i>Journal of Molecular Liquids</i> , 2021 , 118144	6	0
4	Transforming agricultural waste into adsorbent: application of <i>Fagopyrum esculentum</i> wheat husks treated with H_2SO_4 to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106872	6.8	0
3	Woody residues of the grape production chain as an alternative precursor of high porous activated carbon with remarkable performance for naproxen uptake from water. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
2	Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
1	One step acid modification of the residual bark from using HSO and application in the removal of 2,4-dichlorophenoxyacetic from aqueous solution. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021 , 1-12	2.2	