Matias Schadeck Netto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2623810/publications.pdf

Version: 2024-02-01

51 papers	1,925 citations	279701 23 h-index	265120 42 g-index
51 all docs	51 docs citations	51 times ranked	1142 citing authors

#	Article	IF	Citations
1	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. Chemical Engineering Journal, 2020, 388, 124263.	6.6	319
2	Adsorption of hazardous dyes on functionalized multiwalled carbon nanotubes in single and binary systems: Experimental study and physicochemical interpretation of the adsorption mechanism. Chemical Engineering Journal, 2020, 389, 124467.	6.6	125
3	Interpretation of the adsorption mechanism of Reactive Black 5 and Ponceau 4R dyes on chitosan/polyamide nanofibers via advanced statistical physics model. Journal of Molecular Liquids, 2019, 285, 165-170.	2.3	121
4	High-performance removal of 2,4-dichlorophenoxyacetic acid herbicide in water using activated carbon derived from Queen palm fruit endocarp (Syagrus romanzoffiana). Journal of Environmental Chemical Engineering, 2021, 9, 104911.	3.3	79
5	Adsorption of ketoprofen and paracetamol and treatment of a synthetic mixture by novel porous carbon derived from Butia capitata endocarp. Journal of Molecular Liquids, 2021, 339, 117184.	2.3	73
6	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. Chemical Engineering Journal, 2020, 391, 123617.	6.6	70
7	Highly efficient adsorption performance of a novel magnetic geopolymer/Fe3O4 composite towards removal of aqueous acid green 16 dye. Journal of Environmental Chemical Engineering, 2020, 8, 103804.	3.3	67
8	Adsorption of acid green and procion red on a magnetic geopolymer based adsorbent: Experiments, characterization and theoretical treatment. Chemical Engineering Journal, 2020, 383, 123113.	6.6	61
9	Insights of the adsorption mechanism of methylene blue on brazilian berries seeds: Experiments, phenomenological modelling and DFT calculations. Chemical Engineering Journal, 2020, 394, 125011.	6.6	60
10	Utilization of Pacara Earpod tree (Enterolobium contortisilquum) and Ironwood (Caesalpinia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Pollution Research, 2020, 27, 33307-33320.	2.7	59
11	Transforming shrub waste into a high-efficiency adsorbent: Application of Physalis peruvian chalice treated with strong acid to remove the 2,4-dichlorophenoxyacetic acid herbicide. Journal of Environmental Chemical Engineering, 2021, 9, 104574.	3.3	56
12	Development of highly porous activated carbon from Jacaranda mimosifolia seed pods for remarkable removal of aqueous-phase ketoprofen. Journal of Environmental Chemical Engineering, 2021, 9, 105676.	3.3	54
13	Highly effective adsorption of synthetic phenol effluent by a novel activated carbon prepared from fruit wastes of the Ceiba speciosa forest species. Journal of Environmental Chemical Engineering, 2021, 9, 105927.	3.3	51
14	An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge. Journal of Environmental Chemical Engineering, 2020, 8, 104546.	3.3	49
15	AdsorbentsforÂglyphosate removalÂin contaminated waters: a review. Environmental Chemistry Letters, 2021, 19, 1525-1543.	8.3	48
16	Powdered biosorbent from the mandacaru cactus (cereus jamacaru) for discontinuous and continuous removal of Basic Fuchsin from aqueous solutions. Powder Technology, 2020, 364, 584-592.	2.1	47
17	Preparation of activated carbon from the residues of the mushroom (Agaricus bisporus) production chain for the adsorption of the 2,4-dichlorophenoxyacetic herbicide. Journal of Environmental Chemical Engineering, 2021, 9, 106843.	3.3	47
18	Powdered biosorbent from pecan pericarp (Carya illinoensis) as an efficient material to uptake methyl violet 2B from effluents in batch and column operations. Advanced Powder Technology, 2020, 31, 2843-2852.	2.0	40

#	Article	IF	Citations
19	Treatment of water containing methylene by biosorption using Brazilian berry seeds (Eugenia) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	38
20	Trapping of Ag+, Cu2+, and Co2+ by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. Chemical Engineering Journal, 2021, 420, 127712.	6.6	32
21	Araticum (Annona crassiflora) seed powder (ASP) for the treatment of colored effluents by biosorption. Environmental Science and Pollution Research, 2020, 27, 11184-11194.	2.7	28
22	Evaluation of Ocotea puberula bark powder (OPBP) as an effective adsorbent to uptake crystal violet from colored effluents: alternative kinetic approaches. Environmental Science and Pollution Research, 2020, 27, 25727-25739.	2.7	27
23	Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. Journal of Molecular Liquids, 2022, 347, 117990.	2.3	27
24	Analysis of adsorption isotherms of Ag+, Co+2, and Cu+2 onto zeolites using computational intelligence models. Journal of Environmental Chemical Engineering, 2021, 9, 104960.	3.3	25
25	Efficient removal of naproxen from aqueous solution by highly porous activated carbon produced from Grapetree (Plinia cauliflora) fruit peels. Journal of Environmental Chemical Engineering, 2021, 9, 106820.	3.3	24
26	Application of seed residues from Anadenanthera macrocarpa and Cedrela fissilis as alternative adsorbents for remarkable removal of methylene blue dye in aqueous solutions. Environmental Science and Pollution Research, 2021, 28, 2342-2354.	2.7	23
27	Effective adsorptive removal of atrazine herbicide in river waters by a novel hydrochar derived from Prunus serrulata bark. Environmental Science and Pollution Research, 2022, 29, 3672-3685.	2.7	22
28	Transforming agricultural waste into adsorbent: application of Fagopyrum esculentum wheat husks treated with H2SO4 to adsorption of the 2,4-D herbicide. Journal of Environmental Chemical Engineering, 2021, 9, 106872.	3.3	22
29	An overview of geological originated materials as a trend for adsorption in wastewater treatment. Geoscience Frontiers, 2022, 13, 101150.	4.3	21
30	Composite carbon materials from winery composted waste for the treatment of effluents contaminated with ketoprofen and 2-nitrophenol. Journal of Environmental Chemical Engineering, 2021, 9, 105421.	3.3	21
31	Effect of Salinity on the Adsorption Behavior of Methylene Blue onto Comminuted Raw Avocado Residue: CCD-RSM Design. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	19
32	Utilization of different parts of Moringa oleifera Lam. seeds as biosorbents to remove Acid Blue 9 synthetic dye. Journal of Environmental Chemical Engineering, 2021, 9, 105553.	3.3	17
33	Paddle cactus (Tacinga palmadora) as potential low-cost adsorbent to treat textile effluents containing crystal violet. Chemical Engineering Communications, 2020, 207, 1368-1379.	1.5	16
34	Preparation of a novel magnetic geopolymer/zeroâ€“valent iron composite with remarkable adsorption performance towards aqueous Acid Red 97. Chemical Engineering Communications, 2020, 207, 1048-1061.	1.5	16
35	Adsorption investigation of 2,4-D herbicide on acid-treated peanut (Arachis hypogaea) skins. Environmental Science and Pollution Research, 2021, 28, 36453-36463.	2.7	14
36	A new method of developing ANN-isotherm hybrid models for the determination of thermodynamic parameters in the adsorption of ions Ag+, Co2+ and Cu2+ onto zeolites ZSM-5, HY, and 4A. Journal of Environmental Chemical Engineering, 2021, 9, 106126.	3.3	14

#	Article	IF	Citations
37	Successful adsorption of bright blue and methylene blue on modified pods of Caesalpinia echinata in discontinuous system. Environmental Science and Pollution Research, 2021, 28, 8407-8420.	2.7	12
38	SYNTHESIS OF SPHERICAL BACTERIAL NANOCELLULOSE AS A POTENTIAL SILVER ADSORPTION AGENT FOR ANTIMICROBIAL PURPOSES. Cellulose Chemistry and Technology, 2020, 54, 285-290.	0.5	11
39	Conversion of the forest species Inga marginata and Tipuana tipu wastes into biosorbents: Dye biosorption study from isotherm to mass transfer. Environmental Technology and Innovation, 2021, 22, 101521.	3.0	10
40	Adsorption performance of Food Red 17 dye using an eco-friendly material based on Luffa cylindrica and chitosan. Journal of Molecular Liquids, 2022, 349, 118144.	2.3	9
41	Adsorption and mass transfer studies of methylene blue onto comminuted seedpods from Luehea divaricata and Inga laurina. Environmental Science and Pollution Research, 2021, 28, 20854-20868.	2.7	8
42	A study of single and quaternary adsorption of Cu2+, Co2+, Ni2+ and Ag+ on sludge modified by alkaline fusion. Chemical Engineering Journal, 2022, 433, 133674.	6.6	7
43	Synthesis of geopolymers from fly and bottom ashes of a thermoelectrical power plant for metallic ions adsorption. Environmental Science and Pollution Research, 2022, 29, 2699-2706.	2.7	6
44	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H2SO4 activated Campomanesia guazumifolia bark. Environmental Science and Pollution Research, 2022, 29, 2122-2135.	2.7	6
45	Transforming pods of the species Capparis flexuosa into effective biosorbent to remove blue methylene and bright blue in discontinuous and continuous systems. Environmental Science and Pollution Research, 2021, 28, 8036-8049.	2.7	5
46	Volcanic rock powder residues as precursors for the synthesis of adsorbents and potential application in the removal of dyes and metals from water. Environmental Science and Pollution Research, 2022, 29, 25685-25693.	2.7	5
47	Woody residues of the grape production chain as an alternative precursor of high porous activated carbon with remarkable performance for naproxen uptake from water. Environmental Science and Pollution Research, 2022, 29, 16988-17000.	2.7	4
48	Effective removal of non-steroidal anti-inflammatory drug from wastewater by adsorption process using acid-treated Fagopyrum esculentum husk. Environmental Science and Pollution Research, 2022, 29, 31085-31098.	2.7	4
49	Development of activated carbon from Schizolobium parahyba (guapuruvu) residues employed for the removal of ketoprofen. Environmental Science and Pollution Research, 2022, 29, 21860-21875.	2.7	3
50	One step acid modification of the residual bark from Campomanesia guazumifolia using H₂SO₄ and application in the removal of 2,4-dichlorophenoxyacetic from aqueous solution. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, 56, 995-1006.	0.7	2
51	Adsorption kinetics and equilibrium of Ni2+, Cu2+, Co2+, and Ag+ on geopolymers derived from ashes: application to treat effluents from the E-Coat printing process. Environmental Science and Pollution Research, 2022, 29, 70158-70166.	2.7	1