

Matias Schadeck Netto

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,925
citations

279798
23
h-index

265206
42
g-index

51
all docs

51
docs citations

51
times ranked

1142
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of geological originated materials as a trend for adsorption in wastewater treatment. <i>Geoscience Frontiers</i> , 2022, 13, 101150.	8.4	21
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> , 2022, 29, 2699-2706.	5.3	6
3	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H ₂ SO ₄ activated <i>Campomanesia guazumifolia</i> bark. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2122-2135.	5.3	6
4	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> , 2022, 29, 3672-3685.	5.3	22
5	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> , 2022, 29, 16988-17000.	5.3	4
6	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> , 2022, 433, 133674.	12.7	7
7	Development of activated carbon from <i>Schizolobium parahyba</i> (guapuruvu) residues employed for the removal of ketoprofen. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21860-21875.	5.3	3
8	Volcanic rock powder residues as precursors for the synthesis of adsorbents and potential application in the removal of dyes and metals from water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25685-25693.	5.3	5
9	Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. <i>Journal of Molecular Liquids</i> , 2022, 347, 117990.	4.9	27
10	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> , 2022, 349, 118144.	4.9	9
11	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, 29, 31085-31098.	5.3	4
12	Adsorption kinetics and equilibrium of Ni ²⁺ , Cu ²⁺ , Co ²⁺ , and Ag ⁺ on geopolymers derived from ashes: application to treat effluents from the E-Coat printing process. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70158-70166.	5.3	1
13	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.	5.3	5
14	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.	5.3	12
15	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, 127712.	12.7	32
16	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.	6.7	79
17	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.	6.7	25
18	Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1525-1543.	16.2	48

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19	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.	6.7	56
20	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.	5.3	23
21	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.	5.3	14
22	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.	6.1	10
23	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.	6.7	21
24	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.	6.7	17
25	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.	6.7	54
26	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.	6.7	14
27	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.	4.9	73
28	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.	6.7	51
29	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.	5.3	8
30	One step acid modification of the residual bark from <i>Campomanesia guazumifolia</i> using H ₂ SO ₄ and application in the removal of 2,4-dichlorophenoxyacetic acid from aqueous solution. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 995-1006.	1.5	2
31	Transforming agricultural waste into adsorbent: application of <i>Fagopyrum esculentum</i> wheat husks treated with H ₂ SO ₄ to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106872.	6.7	22
32	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.	6.7	47
33	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.	6.7	24
34	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.	2.6	16
35	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.	2.6	16
36	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.	12.7	61

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37	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.	12.7	70
38	An eco-friendly and low-cost strategy for groundwater defluorination: Adsorption of fluoride onto calcinated sludge. Journal of Environmental Chemical Engineering, 2020, 8, 104546.	6.7	49
39	Utilization of Pacara Earpod tree (<i>Enterolobium contortisilquum</i>) and Ironwood (<i>Caesalpinia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Pollution Research, 2020, 27, 33307-33320.	5.3	59
40	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.	12.7	125
41	Highly efficient adsorption performance of a novel magnetic geopolymer/Fe ₃ O ₄ composite towards removal of aqueous acid green 16 dye. Journal of Environmental Chemical Engineering, 2020, 8, 103804.	6.7	67
42	Araticum (<i>Annona crassiflora</i>) seed powder (ASP) for the treatment of colored effluents by biosorption. Environmental Science and Pollution Research, 2020, 27, 11184-11194.	5.3	28
43	Powdered biosorbent from the mandacaru cactus (<i>cereus jamacaru</i>) for discontinuous and continuous removal of Basic Fuchsin from aqueous solutions. Powder Technology, 2020, 364, 584-592.	4.2	47
44	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.	12.7	319
45	Evaluation of <i>Ocotea puberula</i> 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.	5.3	27
46	Treatment of water containing methylene by biosorption using Brazilian berry seeds (<i>Eugenia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 5.3	5.3	38
47	Insights of the adsorption mechanism of methylene blue on brazilian berries seeds: Experiments, phenomenological modelling and DFT calculations. Chemical Engineering Journal, 2020, 394, 125011.	12.7	60
48	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. Advanced Powder Technology, 2020, 31, 2843-2852.	4.1	40
49	SYNTHESIS OF SPHERICAL BACTERIAL NANOCELLULOSE AS A POTENTIAL SILVER ADSORPTION AGENT FOR ANTIMICROBIAL PURPOSES. Cellulose Chemistry and Technology, 2020, 54, 285-290.	1.2	11
50	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.	2.4	19
51	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.	4.9	121