

# Matias Schadeck Netto

## List of Publications by Year in descending order

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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	An overview of geological originated materials as a trend for adsorption in wastewater treatment. <i>Geoscience Frontiers</i> , 2022, 13, 101150.	4.3	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.	2.7	6
3	Optimization of ketoprofen adsorption from aqueous solutions and simulated effluents using H <sub>2</sub> SO <sub>4</sub> activated <i>Campomanesia guazumifolia</i> bark. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2122-2135.	2.7	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.	2.7	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.	2.7	4
6	A study of single and quaternary adsorption of Cu <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> and Ag <sup>+</sup> on sludge modified by alkaline fusion. <i>Chemical Engineering Journal</i> , 2022, 433, 133674.	6.6	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.	2.7	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.	2.7	5
9	Adsorption of atrazine herbicide from water by diospyros kaki fruit waste activated carbon. <i>Journal of Molecular Liquids</i> , 2022, 347, 117990.	2.3	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.	2.3	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.	2.7	4
12	Adsorption kinetics and equilibrium of Ni <sup>2+</sup> , Cu <sup>2+</sup> , Co <sup>2+</sup> , and Ag <sup>+</sup> 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.	2.7	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.	2.7	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.	2.7	12
15	Trapping of Ag <sup>+</sup> , Cu <sup>2+</sup> , and Co <sup>2+</sup> by faujasite zeolite Y: New interpretations of the adsorption mechanism via DFT and statistical modeling investigation. <i>Chemical Engineering Journal</i> , 2021, 420, 127712.	6.6	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.	3.3	79
17	Analysis of adsorption isotherms of Ag <sup>+</sup> , Co <sup>2+</sup> , and Cu <sup>2+</sup> onto zeolites using computational intelligence models. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104960.	3.3	25
18	Adsorbents for glyphosate removal in contaminated waters: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1525-1543.	8.3	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.	3.3	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.	2.7	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.	2.7	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.	3.0	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.	3.3	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.	3.3	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.	3.3	54
26	A new method of developing ANN-isotherm hybrid models for the determination of thermodynamic parameters in the adsorption of ions Ag <sup>+</sup> , Co <sup>2+</sup> and Cu <sup>2+</sup> onto zeolites ZSM-5, HY, and 4A. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106126.	3.3	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.	2.3	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.	3.3	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.	2.7	8
30	One step acid modification of the residual bark from <i>Campomanesia guazumifolia</i> using H <sub>2</sub> SO <sub>4</sub> 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.	0.7	2
31	Transforming agricultural waste into adsorbent: application of <i>Fagopyrum esculentum</i> wheat husks treated with H <sub>2</sub> SO <sub>4</sub> to adsorption of the 2,4-D herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106872.	3.3	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 acid herbicide. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106843.	3.3	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.	3.3	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.	1.5	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.	1.5	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.	6.6	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. <i>Chemical Engineering Journal</i> , 2020, 391, 123617.	6.6	70
38	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
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.	2.7	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. <i>Chemical Engineering Journal</i> , 2020, 389, 124467.	6.6	125
41	Highly efficient adsorption performance of a novel magnetic geopolymer/Fe <sub>3</sub> O <sub>4</sub> composite towards removal of aqueous acid green 16 dye. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103804.	3.3	67
42	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.	2.7	28
43	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
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. <i>Chemical Engineering Journal</i> , 2020, 388, 124263.	6.6	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. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25727-25739.	2.7	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 2.7	2.7	38
47	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
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. <i>Advanced Powder Technology</i> , 2020, 31, 2843-2852.	2.0	40
49	SYNTHESIS OF SPHERICAL BACTERIAL NANOCELLULOSE AS A POTENTIAL SILVER ADSORPTION AGENT FOR ANTIMICROBIAL PURPOSES. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 285-290.	0.5	11
50	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.	1.1	19
51	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.	2.3	121