

Fernando M Machado

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,776
citations

20
h-index

41
g-index

41
ext. papers

2,070
ext. citations

4.1
avg, IF

4.66
L-index

#	Paper	IF	Citations
37	Comparative studies of physicochemical and adsorptive properties of biochar materials from biomass using different zinc salts as activating agents. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107632	6.8	0
36	Eggshells as agro-industrial waste substitute for CaCO ₃ in glass foams: A study on obtaining lower thermal conductivity. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 838-849	2	1
35	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
34	Comparison of acidic leaching using a conventional and ultrasound-assisted method for preparation of magnetic-activated biochar. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105865	6.8	9
33	Influence of processing parameters on the microstructure of the eco-friendly glass foam. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 862-868	2	0
32	Single-step pyrolysis for producing magnetic activated carbon from tucumã (<i>Astrocaryum aculeatum</i>) seed and nickel(II) chloride and zinc(II) chloride. Application for removal of nicotinamide and propanolol. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122903	12.8	45
31	Adsorption of amoxicillin onto high surface area-activated carbons based on olive biomass: kinetic and equilibrium studies. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41394-41404	5.1	10
30	Preparation, characterization of titanate nanosheet/pozzolan nanocomposite and its use as an adsorbent for removal of diclofenac from simulated hospital effluents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 102, 321-329	5.3	21
29	Desenvolvimento de espumas vítreas a partir de garrafa e casca de ovo. <i>Revista Materia</i> , 2019 , 24,	0.8	1
28	Kinetic, equilibrium, and thermodynamic studies on the adsorption of ciprofloxacin by activated carbon produced from Jerivá (<i>Syagrus romanzoffiana</i>). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4690-4702	5.1	41
27	Ceramic foam decorated with ZnO for photodegradation of Rhodamine B dye. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2019 , 58, 134-140	1.9	7
26	Carbon Nanoadsorbents for Removal of Organic Contaminants from Water. <i>Springer Series on Polymer and Composite Materials</i> , 2018 , 21-53	0.9	1
25	Espumas vítreas produzidas a partir de resíduos sólidos. <i>Revista Materia</i> , 2018 , 23,	0.8	4
24	Analysis of nonisothermal crystallization kinetics of graphene oxide - reinforced polyamide 6 nanocomposites. <i>Thermochimica Acta</i> , 2018 , 667, 111-121	2.9	22
23	Preliminary evaluation of the physical properties of red ceramic incorporated with solid residue. <i>MRS Advances</i> , 2018 , 3, 3575-3579	0.7	
22	Adsorption of anti-inflammatory nimesulide by graphene materials: a combined theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22099-22110	3.6	22
21	Síntese e caracterização de xido de grafeno e xido de grafeno reduzido para aplicação ambiental 2017 , 3, 19		2

20	Preparation, characterization and application of microwave-assisted activated carbons from wood chips for removal of phenol from aqueous solution. <i>Journal of Molecular Liquids</i> , 2016 , 223, 1067-1080	6	106
19	Adsorption of sodium diclofenac on graphene: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1526-36	3.6	119
18	Adsorption of acridine orange and methylene blue synthetic dyes and anthracene on single wall carbon nanotubes: A first principle approach. <i>Computational and Theoretical Chemistry</i> , 2016 , 1076, 42-50	3	35
17	Microwave-assisted activated carbon obtained from the sludge of tannery-treatment effluent plant for removal of leather dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 504, 105-115	5.1	96
16	Adsorption of Alizarin Red S Dye by Carbon Nanotubes: An Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 18296-18306	3.8	75
15	Carbon Nanomaterials for Environmental Applications. <i>Carbon Nanostructures</i> , 2015 , 85-105	0.6	4
14	Comparison of a Homemade Bacuri Shell Activated Carbon With Carbon Nanotubes for Food Dye Removal. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 1389-1400	1.6	29
13	Application of Carbon Composite Adsorbents Prepared from Coffee Waste and Clay for the Removal of Reactive Dyes from Aqueous Solutions. <i>Journal of the Brazilian Chemical Society</i> , 2015 ,	1.5	4
12	Carbon Nanoadsorbents. <i>Carbon Nanostructures</i> , 2015 , 11-32	0.6	12
11	Kinetic and Equilibrium Models of Adsorption. <i>Carbon Nanostructures</i> , 2015 , 33-69	0.6	105
10	Carbon Nanomaterials as Adsorbents for Environmental and Biological Applications. <i>Carbon Nanostructures</i> , 2015 ,	0.6	45
9	Microwave-assisted activated carbon from cocoa shell as adsorbent for removal of sodium diclofenac and nimesulide from aqueous effluents. <i>Journal of Hazardous Materials</i> , 2015 , 289, 18-27	12.8	220
8	Experimental Adsorption. <i>Carbon Nanostructures</i> , 2015 , 71-84	0.6	2
7	New carbon composite adsorbents for the removal of textile dyes from aqueous solutions: Kinetic, equilibrium, and thermodynamic studies. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 1470-1479	2.8	47
6	Adsorption of a textile dye from aqueous solutions by carbon nanotubes. <i>Materials Research</i> , 2014 , 17, 153-160	1.5	33
5	Comparison of a homemade cocoa shell activated carbon with commercial activated carbon for the removal of reactive violet 5 dye from aqueous solutions. <i>Chemical Engineering Journal</i> , 2014 , 248, 315-326	14.7	120
4	Adsorption of Direct Blue 53 dye from aqueous solutions by multi-walled carbon nanotubes and activated carbon. <i>Journal of Environmental Management</i> , 2013 , 130, 166-75	7.9	127
3	Adsorption of Reactive Blue 4 dye from water solutions by carbon nanotubes: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11139-53	3.6	133

2	Adsorption of Reactive Red M-2BE dye from water solutions by multi-walled carbon nanotubes and activated carbon. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1122-31	12.8	266
1	Materials for Adsorbent Applications 2011 , 141-155		2