

Fernando M Machado

List of Publications by Citations

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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	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
36	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
35	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
34	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
33	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
32	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
31	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
30	Kinetic and Equilibrium Models of Adsorption. <i>Carbon Nanostructures</i> , 2015 , 33-69	0.6	105
29	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
28	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
27	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
26	Carbon Nanomaterials as Adsorbents for Environmental and Biological Applications. <i>Carbon Nanostructures</i> , 2015 ,	0.6	45
25	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
24	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
23	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	2	35
22	Adsorption of a textile dye from aqueous solutions by carbon nanotubes. <i>Materials Research</i> , 2014 , 17, 153-160	1.5	33
21	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

20	Analysis of nonisothermal crystallization kinetics of graphene oxide - reinforced polyamide 6 nanocomposites. <i>Thermochimica Acta</i> , 2018 , 667, 111-121	2.9	22
19	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
18	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
17	Carbon Nanoadsorbents. <i>Carbon Nanostructures</i> , 2015 , 11-32	0.6	12
16	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
15	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
14	Ceramic foam decorated with ZnO for photodegradation of Rhodamine B dye. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2019 , 58, 134-140	1.9	7
13	Utilization of different parts of Moringa oleifera Lam. seeds as biosorbents to remove Acid Blue 9 synthetic dye. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105553	6.8	6
12	Carbon Nanomaterials for Environmental Applications. <i>Carbon Nanostructures</i> , 2015 , 85-105	0.6	4
11	Espumas vřreas produzidas a partir de resřuos sřidos. <i>Revista Materia</i> , 2018 , 23,	0.8	4
10	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
9	Sřntese e caracterizař de řido de grafeno e řido de grafeno reduzido para aplicař ambiental 2017 , 3, 19		2
8	Experimental Adsorption. <i>Carbon Nanostructures</i> , 2015 , 71-84	0.6	2
7	Materials for Adsorbent Applications 2011 , 141-155		2
6	Carbon Nanoadsorbents for Removal of Organic Contaminants from Water. <i>Springer Series on Polymer and Composite Materials</i> , 2018 , 21-53	0.9	1
5	Desenvolvimento de espumas vřreas a partir de garrafa e casca de ovo. <i>Revista Materia</i> , 2019 , 24,	0.8	1
4	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
3	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

- 2 Comparative studies of physicochemical and adsorptive properties of biochar materials from biomass using different zinc salts as activating agents. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107632 6.8 o
- 1 Preliminary evaluation of the physical properties of red ceramic incorporated with solid residue. *MRS Advances*, **2018**, 3, 3575-3579 0.7