

Rafael Canevesi

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.

29
papers

264
citations

9
h-index

15
g-index

36
ext. papers

371
ext. citations

5.1
avg, IF

3.71
L-index

#	Paper	IF	Citations
29	Modeling High-Pressure Hydrogen Uptake by Nanoporous Metal-Organic Frameworks: Implications for Hydrogen Storage and Delivery. <i>ACS Applied Nano Materials</i> , 2022 , 5, 759-773	5.6	2
28	Biosorption of uranium from aqueous solutions by <i>Azolla</i> sp. and <i>Limnobium laevigatum</i> .. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
27	Tannin-based hard carbons as high-performance anode materials for sodium-ion batteries. <i>Materials Today Chemistry</i> , 2022 , 23, 100614	6.2	1
26	Irreversible deformation of hyper-crosslinked polymers after hydrogen adsorption. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 513-527	9.3	5
25	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3843-3854	5.6	3
24	Biomass-derived carbons physically activated in one or two steps for CH ₄ /CO ₂ separation. <i>Renewable Energy</i> , 2022 , 191, 122-133	8.1	0
23	Comprehensive Analysis of Hierarchical Porous Carbons Using a Dual-Shape 2D-NLDFT Model with an Adjustable Slit-Cylinder Pore Shape Boundary. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49472-49489	9.5	9
22	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12562-12574	9.5	12
21	Molecular sieving of linear and branched C ₆ alkanes by tannin-derived carbons. <i>Carbon</i> , 2021 , 174, 413-424	12.4	5
20	Influence of activation conditions on textural properties and performance of activated biochars for pyrolysis vapors upgrading. <i>Fuel</i> , 2021 , 289, 119759	7.1	6
19	Comparative adsorption of diclofenac sodium and losartan potassium in organophilic clay-packed fixed-bed: X-ray photoelectron spectroscopy characterization, experimental tests and theoretical study on DFT-based chemical descriptors. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113427	6	29
18	The use of rice and coffee husks for biosorption of U (total), Am, and Cs in radioactive liquid organic waste. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 36651-36663	5.1	7
17	Use of calcium alginate beads and <i>Saccharomyces cerevisiae</i> for biosorption of Am. <i>Journal of Environmental Radioactivity</i> , 2020 , 223-224, 106399	2.4	6
16	Paracetamol removal by Kon-Tiki kiln-derived biochar and activated carbons. <i>Industrial Crops and Products</i> , 2020 , 155, 112740	5.9	7
15	Hierarchical tannin-derived carbons as efficient tetracycline adsorbents. <i>Applied Surface Science</i> , 2020 , 533, 147428	6.7	6
14	Characterization of Carbon Materials for Hydrogen Storage and Compression. <i>Journal of Carbon Research</i> , 2020 , 6, 46	3.3	16
13	Ciprofloxacin desorption from gel type ion exchange resin: Desorption modeling in batch system and fixed bed column. <i>Separation and Purification Technology</i> , 2020 , 230, 115857	8.3	15

12	Towards a design of a pressure swing adsorption unit for small scale biogas upgrading at. <i>Energy Procedia</i> , 2019 , 158, 848-853	2.3	6
11	Evaluation of simplified pressure swing adsorption cycles for bio-methane production. <i>Adsorption</i> , 2019 , 25, 783-793	2.6	12
10	Uranium biosorption by Lemna sp. and Pistia stratiotes. <i>Journal of Environmental Radioactivity</i> , 2019 , 203, 179-186	2.4	16
9	Hydrolysis of crambe oil by enzymatic catalysis: An evaluation of the operational conditions. <i>Biocatalysis and Biotransformation</i> , 2018 , 36, 422-435	2.5	2
8	Application of the coconut fiber in radioactive liquid waste treatment. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 1629-1640	3.3	9
7	UV-Irradiated Strain of Acidithiobacillus ferrooxidans Improved Copper Bioleaching in Chalcopyrite. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 04018064	2	1
6	Pressure Swing Adsorption for Biogas Upgrading with Carbon Molecular Sieve. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8057-8067	3.9	37
5	Optimization of multiple-effect evaporation in the pulp and paper industry using response surface methodology. <i>Applied Thermal Engineering</i> , 2016 , 95, 18-23	5.8	18
4	Chemical equilibrium of ion exchange in the binary mixture Cu ²⁺ and Ca ²⁺ in calcium alginate. <i>Adsorption</i> , 2015 , 21, 445-458	2.6	7
3	Study of candeia oil extraction using pressurized fluids and purification by adsorption process. <i>Journal of Supercritical Fluids</i> , 2014 , 92, 177-182	4.2	24
2	Gastro-resistant controlled release of OTC encapsulated in alginate/chitosan matrix coated with acryl-EZE \square MP in fluidized bed. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
1	Modelagem do efeito do pH na biossorç de metais pela alga marinha Sargassum filipendula. <i>Acta Scientiarum - Technology</i> , 2011 , 33,	0.5	2