

# Rafael Canevesi

## List of Publications by Citations

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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 | Pressure Swing Adsorption for Biogas Upgrading with Carbon Molecular Sieve. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 8057-8067   | 3.9 | 37        |
| 28 | 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> , <b>2020</b> , 312, 113427 | 6   | 29        |
| 27 | Study of candeia oil extraction using pressurized fluids and purification by adsorption process. <i>Journal of Supercritical Fluids</i> , <b>2014</b> , 92, 177-182  | 4.2 | 24        |
| 26 | Optimization of multiple-effect evaporation in the pulp and paper industry using response surface methodology. <i>Applied Thermal Engineering</i> , <b>2016</b> , 95, 18-23  | 5.8 | 18        |
| 25 | Uranium biosorption by Lemna sp. and Pistia stratiotes. <i>Journal of Environmental Radioactivity</i> , <b>2019</b> , 203, 179-186   | 2.4 | 16        |
| 24 | Characterization of Carbon Materials for Hydrogen Storage and Compression. <i>Journal of Carbon Research</i> , <b>2020</b> , 6, 46   | 3.3 | 16        |
| 23 | Ciprofloxacin desorption from gel type ion exchange resin: Desorption modeling in batch system and fixed bed column. <i>Separation and Purification Technology</i> , <b>2020</b> , 230, 115857   | 8.3 | 15        |
| 22 | Evaluation of simplified pressure swing adsorption cycles for bio-methane production. <i>Adsorption</i> , <b>2019</b> , 25, 783-793  | 2.6 | 12        |
| 21 | A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12562-12574  | 9.5 | 12        |
| 20 | Application of the coconut fiber in radioactive liquid waste treatment. <i>International Journal of Environmental Science and Technology</i> , <b>2018</b> , 15, 1629-1640   | 3.3 | 9         |
| 19 | Chemical equilibrium of ion exchange in the binary mixture Cu <sup>2+</sup> and Ca <sup>2+</sup> in calcium alginate. <i>Adsorption</i> , <b>2015</b> , 21, 445-458  | 2.6 | 7         |
| 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> , <b>2020</b> , 27, 36651-36663   | 5.1 | 7         |
| 17 | Paracetamol removal by Kon-Tiki kiln-derived biochar and activated carbons. <i>Industrial Crops and Products</i> , <b>2020</b> , 155, 112740   | 5.9 | 7         |
| 16 | Towards a design of a pressure swing adsorption unit for small scale biogas upgrading at. <i>Energy Procedia</i> , <b>2019</b> , 158, 848-853  | 2.3 | 6         |
| 15 | Use of calcium alginate beads and Saccharomyces cerevisiae for biosorption of Am. <i>Journal of Environmental Radioactivity</i> , <b>2020</b> , 223-224, 106399  | 2.4 | 6         |
| 14 | Hierarchical tannin-derived carbons as efficient tetracycline adsorbents. <i>Applied Surface Science</i> , <b>2020</b> , 533, 147428   | 6.7 | 6         |
| 13 | Influence of activation conditions on textural properties and performance of activated biochars for pyrolysis vapors upgrading. <i>Fuel</i> , <b>2021</b> , 289, 119759  | 7.1 | 6         |

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|----|---|-----|---|
| 12 | 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> , <b>2014</b> , 131, n/a-n/a             | 2.9 | 5 |
| 11 | Molecular sieving of linear and branched C6 alkanes by tannin-derived carbons. <i>Carbon</i> , <b>2021</b> , 174, 413-424   | 2.4 | 5 |
| 10 | Irreversible deformation of hyper-crosslinked polymers after hydrogen adsorption. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 605, 513-527  | 9.3 | 5 |
| 9  | Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO <sub>2</sub> Capture. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 3843-3854   | 5.6 | 3 |
| 8  | Hydrolysis of crambe oil by enzymatic catalysis: An evaluation of the operational conditions. <i>Biocatalysis and Biotransformation</i> , <b>2018</b> , 36, 422-435   | 2.5 | 2 |
| 7  | Modelagem do efeito do pH na biossorçã de metais pela alga marinha <i>Sargassum Filipendula</i> . <i>Acta Scientiarum - Technology</i> , <b>2011</b> , 33,  | 0.5 | 2 |
| 6  | Modeling High-Pressure Hydrogen Uptake by Nanoporous Metal-Organic Frameworks: Implications for Hydrogen Storage and Delivery. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 759-773                                 | 5.6 | 2 |
| 5  | UV-Irradiated Strain of <i>Acidithiobacillus ferrooxidans</i> Improved Copper Bioleaching in Chalcopyrite. <i>Journal of Environmental Engineering, ASCE</i> , <b>2018</b> , 144, 04018064                                  | 2   | 1 |
| 4  | Tannin-based hard carbons as high-performance anode materials for sodium-ion batteries. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100614   | 6.2 | 1 |
| 3  | Biosorption of uranium from aqueous solutions by <i>Azolla</i> sp. and <i>Limnobium laevigatum</i> .. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1   | 5.1 | 0 |
| 2  | 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 &amp; Interfaces</i> , <b>2021</b> , 13, 49472-49489 | 9.5 | 9 |
| 1  | Biomass-derived carbons physically activated in one or two steps for CH <sub>4</sub> /CO <sub>2</sub> separation. <i>Renewable Energy</i> , <b>2022</b> , 191, 122-133  | 8.1 | 0 |