

Rui P P L Ribeiro

List of Publications by Year in descending order

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31
papers

996
citations

471061

17
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433756

31
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31
all docs

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docs citations

31
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of activated carbons produced from Maize Cob Waste for adsorption-based CO ₂ separation and biogas upgrading. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107065.	3.3	24
2	Special Issue "CO ₂ Capture and Renewable Energy". <i>Energies</i> , 2022, 15, 5187.	1.6	1
3	Adsorption of Carbon Dioxide, Methane, and Nitrogen on Zn(dcpa) Metal-Organic Framework. <i>Energies</i> , 2021, 14, 5598.	1.6	7
4	3D-printed hybrid zeolitic/carbonaceous electrically conductive adsorbent structures. <i>Chemical Engineering Research and Design</i> , 2021, 174, 442-453.	2.7	17
5	Cr-based MOF/IL composites as fillers in mixed matrix membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2021, 276, 119303.	3.9	34
6	Surface Area and Porosity of Co ₃ (ndc) ₃ (dabco) Metal-Organic Framework and Its Methane Storage Capacity: A Combined Experimental and Simulation Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2411-2423.	1.5	7
7	80 K vibration-free cooler for potential future Earth observation missions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 755, 012016.	0.3	4
8	Batch chromatography with recycle lag. "Physical realization and experimental validation. <i>Journal of Chromatography A</i> , 2020, 1623, 461211.	1.8	4
9	Extrusion and Characterization of High Si/Al Ratio ZSM-5 Using Silica Binder. <i>Energies</i> , 2020, 13, 1201.	1.6	8
10	Adsorption of fluorinated greenhouse gases on activated carbons: evaluation of their potential for gas separation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1892-1905.	1.6	34
11	Batch chromatography with recycle lag. "Concept and design. <i>Journal of Chromatography A</i> , 2020, 1623, 461199.	1.8	1
12	Cryogenic neon adsorption on Co ₃ (ndc) ₃ (dabco) metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2020, 298, 110055.	2.2	8
13	Binderless shaped metal-organic framework particles: Impact on carbon dioxide adsorption. <i>Microporous and Mesoporous Materials</i> , 2019, 275, 111-121.	2.2	36
14	Absorption of Fluorinated Greenhouse Gases Using Fluorinated Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20769-20778.	1.8	55
15	Neon Adsorption on HKUST-1 and UiO-66 Metal-Organic Frameworks over Wide Pressure and Temperature Ranges. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5407-5414.	1.0	7
16	Ionic Liquid-Impregnated Metal-Organic Frameworks for CO ₂ /CH ₄ Separation. <i>ACS Applied Nano Materials</i> , 2019, 2, 7933-7950.	2.4	51
17	CO ₂ /N ₂ gas separation using Fe(BTC)-based mixed matrix membranes: A view on the adsorptive and filler properties of metal-organic frameworks. <i>Separation and Purification Technology</i> , 2018, 202, 174-184.	3.9	39
18	Evaluation of hydrothermal carbonization as a preliminary step for the production of functional materials from biogas digestate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 461-474.	2.6	65

#	ARTICLE	IF	CITATIONS
19	Two-column relay simulated moving-bed process for gas-phase separations. Separation and Purification Technology, 2017, 182, 19-28.	3.9	9
20	A Sensitive Method Approach for Chromatographic Analysis of Gas Streams in Separation Processes Based on Columns Packed with an Adsorbent Material. Advances in Materials Science and Engineering, 2016, 2016, 1-9.	1.0	3
21	Experimental and computational study of ethane and ethylene adsorption in the MIL-53(Al) metal organic framework. Microporous and Mesoporous Materials, 2016, 230, 154-165.	2.2	37
22	Development, Construction, and Operation of a Multisample Volumetric Apparatus for the Study of Gas Adsorption Equilibrium. Journal of Chemical Education, 2015, 92, 757-761.	1.1	13
23	Adsorption equilibrium of carbon dioxide and nitrogen on the MIL-53(Al) metal organic framework. Separation and Purification Technology, 2015, 141, 150-159.	3.9	52
24	Electric Swing Adsorption for Gas Separation and Purification: A Review. Separation Science and Technology, 2014, 49, 1985-2002.	1.3	73
25	Activated carbon honeycomb monolith " Zeolite 13X hybrid system to capture CO ₂ from flue gases employing Electric Swing Adsorption. Chemical Engineering Science, 2013, 104, 304-318.	1.9	65
26	Electrothermal performance of an activated carbon honeycomb monolith. Chemical Engineering Research and Design, 2012, 90, 2013-2022.	2.7	29
27	Adsorption of Water Vapor on Carbon Molecular Sieve: Thermal and Electrothermal Regeneration Study. Industrial & Engineering Chemistry Research, 2011, 50, 2144-2156.	1.8	15
28	Challenges of Electric Swing Adsorption for CO ₂ Capture. ChemSusChem, 2010, 3, 892-898.	3.6	37
29	Electric swing adsorption as emerging CO ₂ capture technique. Energy Procedia, 2009, 1, 1219-1225.	1.8	87
30	CO ₂ Capture from NGCC Power Stations using Electric Swing Adsorption (ESA). Energy & Fuels, 2009, 23, 2797-2803.	2.5	60
31	Adsorption of CO ₂ , CH ₄ , and N ₂ in Activated Carbon Honeycomb Monolith. Journal of Chemical & Engineering Data, 2008, 53, 2311-2317.	1.0	114