

# Alejandro Montesinos-Castellanos

## 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.

30  
papers

555  
citations

16  
h-index

23  
g-index

30  
ext. papers

625  
ext. citations

5.4  
avg, IF

3.84  
L-index

#	Paper	IF	Citations
30	Residual Biomass Use for Energy Generation. <i>Strategies for Sustainability</i> , <b>2022</b> , 237-270	0.8	
29	Process intensification 4.0: A new approach for attaining new, sustainable and circular processes enabled by machine learning. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 108671	3.7	3
28	Intensified tailoring of ZnO particles in a continuous flow reactor via hydrothermal synthesis. <i>Chemical Engineering Journal</i> , <b>2020</b> , 396, 125281	14.7	7
27	Sub-10 nm nanogap fabrication on suspended glassy carbon nanofibers. <i>Microsystems and Nanoengineering</i> , <b>2020</b> , 6, 9	7.7	5
26	Shining Light on the Coiled-Flow Inverter Continuous-Flow Photochemistry in a Static Mixer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 3865-3872	3.9	5
25	Process intensification through staggered herringbone micro-channels: Mass transfer enhancement to a reactive wall. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 157, 108154	3.7	1
24	Temperature uniformity evaluation of a shuttle kiln for the sanitary ware industry using CFD. <i>Combustion Theory and Modelling</i> , <b>2020</b> , 24, 1070-1089	1.5	2
23	Thermal and hydrodynamic performance of a novel passive mixer Waving coiled flow inverter. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2019</b> , 141, 107536	3.7	6
22	Recent Advances in Bifunctional Catalysts for the Fischer-Tropsch Process: One-Stage Production of Liquid Hydrocarbons from Syngas. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 15872-15901	3.9	30
21	Process Intensification for Compact and Micro Heat Exchangers through Innovative Technologies: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 13819-13847	3.9	12
20	Liquid-Liquid Flow Pattern Visualization and Mapping in a Millimetric Size Coiled Tube. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 1075-1086	3.9	5
19	Modeling surfactant adsorption/retention and transport through porous media. <i>Chemical Engineering Science</i> , <b>2018</b> , 183, 190-199	4.4	4
18	Coiled flow inverter as a novel alternative for the intensification of a liquid-liquid reaction. <i>Chemical Engineering Science</i> , <b>2017</b> , 169, 179-185	4.4	32
17	Process Intensification of Biodiesel Production Using a Tubular Micro-Reactor (TMR): Experimental and Numerical Assessment. <i>Chemical Engineering Communications</i> , <b>2017</b> , 204, 467-475	2.2	25
16	Thermal performance of scrap tire blocks as roof insulator. <i>Energy and Buildings</i> , <b>2017</b> , 149, 384-390	7	16
15	Design of Micro- and Milli-Channel Heat Exchanger Reactors for Homogeneous Exothermic Reactions in the Laminar Regime. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6435-6442	3.9	11
14	Dibenzothiophene hydrodesulfurization over PdPt/Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> . Influence of Ti-addition on hydrogenating properties. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 171, 185-194	4.4	19

13	Treatment of Hazardous Waste by Carbon Dioxide Capture from an Electric Arc Furnace. <i>ISIJ International</i> , <b>2015</b> , 55, 559-563	1.7	2
12	Hydrogen production over Rh/Ce-MCM-41 catalysts via ethanol steam reforming. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 13914-13925	6.7	26
11	Cerium incorporating into MCM-41 mesoporous materials for CO oxidation. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 139, 125-133	4.4	20
10	A novel estimation of electrical and cooling losses in electric arc furnaces. <i>Energy</i> , <b>2012</b> , 42, 446-456	7.9	23
9	Size controlled polymersomes by continuous self-assembly in micromixers. <i>Polymer</i> , <b>2012</b> , 53, 2205-2210	9	36
8	High hydrogenation performance of the mesoporous NiMo/Al(Ti, Zr)-HMS catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 113, 146-162	5.3	26
7	Influence of reduction temperature and metal loading on the performance of molybdenum phosphide catalysts for dibenzothiophene hydrodesulfurization. <i>Applied Catalysis A: General</i> , <b>2008</b> , 334, 330-338	5.1	31
6	Influence of the acidity of nanostructured CoMo/P/Ti-HMS catalysts on the HDS of 4,6-DMDBT reaction pathways. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 80, 1-14	21.8	50
5	Synthesis and characterization of P-modified mesoporous CoMo/HMS-Ti catalysts. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 111, 493-506	5.3	39
4	Preparation, Characterization, and Performance of Alumina-Supported Nanostructured MoPhosphide Systems. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5627-5636	9.6	32
3	Fractal Dimension of MoP/Al <sub>2</sub> O <sub>3</sub> Catalysts and Their Activity in Hydrodesulfurization of Dibenzothiophene. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13898-13904	3.8	23
2	Supported (NiMo,CoMo)-carbide, -nitride phases: Effect of atomic ratios and phosphorus concentration on the HDS of thiophene and dibenzothiophene. <i>Catalysis Today</i> , <b>2005</b> , 109, 33-41	5.3	24
1	Inhibition effects observed between dibenzothiophene and carbazole during the hydrotreating process. <i>Applied Catalysis A: General</i> , <b>2004</b> , 265, 171-183	5.1	40