

Diego Valencia

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.

25
papers

529
citations

9
h-index

23
g-index

25
ext. papers

590
ext. citations

6.6
avg, IF

4.14
L-index

#	Paper	IF	Citations
25	CoMo/SBA-15 catalysts prepared with EDTA and citric acid and their performance in hydrodesulfurization of dibenzothiophene. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 879-887	21.8	107
24	Behavior of NiMo/SBA-15 catalysts prepared with citric acid in simultaneous hydrodesulfurization of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Journal of Catalysis</i> , 2013 , 304, 29-46	7.3	107
23	Citric acid loading for MoS ₂ -based catalysts supported on SBA-15. New catalytic materials with high hydrogenolysis ability in hydrodesulfurization. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 137-145	21.8	83
22	Effect of the support composition on the characteristics of NiMo and CoMo/(Zr)SBA-15 catalysts and their performance in deep hydrodesulfurization. <i>Catalysis Today</i> , 2011 , 166, 91-101	5.3	52
21	Combined experimental and computational study of CO oxidation promoted by Nb in manganese oxide octahedral molecular sieves. <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 361-369	21.8	37
20	Kinetic study of NiMo/SBA-15 catalysts prepared with citric acid in hydrodesulfurization of dibenzothiophene. <i>Catalysis Communications</i> , 2012 , 21, 77-81	3.2	33
19	Unravelling the chemical reactions of fatty acids and triacylglycerides under hydrodeoxygenation conditions based on a comprehensive thermodynamic analysis. <i>Biomass and Bioenergy</i> , 2018 , 112, 37-44	5.3	15
18	Aromaticity of five- and six-membered heterocycles present in crude oils [An electronic description for hydrotreatment process. <i>Fuel</i> , 2012 , 100, 177-185	7.1	14
17	Protonated thiophene-based oligomers as formed within zeolites: understanding their electron delocalization and aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2080-6	3.6	11
16	Metal-support interactions revisited by theoretical calculations: The influence of organic ligands for preparing Ni/SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2014 , 475, 134-139	5.1	9
15	Insights into the structure-property-activity relationship in molybdenum-doped octahedral molecular sieve manganese oxides for catalytic oxidation. <i>Catalysis Science and Technology</i> , 2018 , 8, 6493-6502	5.5	8
14	Refractory Character of 4,6-Dialkyldibenzothiophenes: Structural and Electronic Instabilities Reign Deep Hydrodesulfurization. <i>ChemistrySelect</i> , 2018 , 3, 8849-8856	1.8	7
13	Electronic structure and mesoscopic simulations of nonylphenol ethoxylate surfactants. a combined DFT and DPD study. <i>Molecules</i> , 2013 , 18, 9441-50	4.8	7
12	Adsorption of Biomass-Derived Products on MoO ₃ : Hydrogen Bonding Interactions under the Spotlight. <i>ACS Omega</i> , 2018 , 3, 14165-14172	3.9	7
11	MoO ₃ -based catalysts supported on SiO ₂ and their performance in hydrodeoxygenation. <i>Materials Letters</i> , 2019 , 251, 226-229	3.3	6
10	Paving the way towards green catalytic materials for green fuels: impact of chemical species on Mo-based catalysts for hydrodeoxygenation.. <i>RSC Advances</i> , 2019 , 9, 18292-18301	3.7	5
9	Ni-Based heterogeneous catalysts for the transformation of fatty acids into higher yields of O-free hydrocarbons. <i>Green Chemistry</i> , 2020 , 22, 3470-3480	10	5

8	Topological and Electronic Structure of Heterocyclic Compounds Adsorbed on Hydrotreating Catalysts. <i>Catalysis Letters</i> , 2013 , 143, 1354-1361	2.8	5
7	Elucidating the structure of light absorbing styrene carbocation species formed within zeolites. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 15050-15058	3.6	3
6	Development of bio-inspired supports based on CaBiO ₂ and their use in hydrodeoxygenation of palmitic acid. <i>Renewable Energy</i> , 2020 , 148, 1034-1040	8.1	3
5	Ultra-low loading of Ni in catalysts supported on mesoporous SiO ₂ and their performance in hydrodeoxygenation of palmitic acid. <i>New Journal of Chemistry</i> , 2020 , 44, 2435-2441	3.6	2
4	Tuning redox and chemical characteristics of Mo-based catalysts for bioenergy applications □The case of catalysts supported on TiO ₂ or ZrO ₂ . <i>Materials Today Communications</i> , 2019 , 20, 100543	2.5	1
3	Molecular Graph Modularity as a Descriptor for Property Estimation□Application to the Viscosity of Biomass-Derived Molecules. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7044-7052	8.3	1
2	Effect of confinement space on adsorption energy and electronic structure of molecule-metal pairs. <i>Structural Chemistry</i> , 2020 , 31, 233-241	1.8	1
1	Cu/KIT-5 catalysts for hydrogenation of fatty acids: a comprehensive study of the chemical species and their performance. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	