Cristina Ochoa-HernÃ¡ndez

List of Publications by Year
in descending order

30 papers	1,458 citations	394421 19 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1859 citing authors

#	Article	IF	Citations
1	Effect of metalâ€“support interaction on the selective hydrodeoxygenation of anisole to aromatics over Ni-based catalysts. Applied Catalysis B: Environmental, 2014, 145, 91-100.	20.2	192
2	Ni₂P/SBA-15 As a Hydrodeoxygenation Catalyst with Enhanced Selectivity for the Conversion of Methyl Oleate Into n-Octadecane. ACS Catalysis, 2012, 2, 592-598.	11.2	160
3	Hydrodeoxygenation of anisole as bio-oil model compound over supported Ni and Co catalysts: Effect of metal and support properties. Catalysis Today, 2015, 243, 163-172.	4.4	141
4	Lamellar and pillared ZSM-5 zeolites modified with MgO and ZnO for catalytic fast-pyrolysis of eucalyptus woodchips. Catalysis Today, 2016, 277, 171-181.	4.4	116
5	Engineering the acidity and accessibility of the zeolite ZSM-5 for efficient bio-oil upgrading in catalytic pyrolysis of lignocellulose. Green Chemistry, 2018, 20, 3499-3511.	9.0	101
6	Hydrocarbons production through hydrotreating of methyl esters over Ni and Co supported on SBA-15 and Al-SBA-15. Catalysis Today, 2013, 210, 81-88.	4.4	94
7	Influence of the Ni/P ratio and metal loading on the performance of NixPy/SBA-15 catalysts for the hydrodeoxygenation of methyl oleate. Fuel, 2015, 144, 60-70.	6.4	70
8	Biomass catalytic fast pyrolysis over hierarchical ZSM-5 and Beta zeolites modified with Mg and Zn oxides. Biomass Conversion and Biorefinery, 2017, 7, 289-304.	4.6	67
9	Sulfonic Acid-Functionalized Catalysts for the Valorization of Glycerol via Transesterification with Methyl Acetate. Industrial & Engineering Chemistry Research, 2011, 50, 5898-5906.	3.7	56
10	Proton Mobility, Intrinsic Acid Strength, and Acid Site Location in Zeolites Revealed by Varying Temperature Infrared Spectroscopy and Density Functional Theory Studies. Journal of the American Chemical Society, 2018, 140, 17790-17799.	13.7	51
11	Guaiacol hydrodeoxygenation over Ni2P supported on 2D-zeolites. Catalysis Today, 2020, 345, 48-58.	4.4	41
12	Ce-promoted Ni/SBA-15 catalysts for anisole hydrotreating under mild conditions. Applied Catalysis B: Environmental, 2016, 197, 206-213.	20.2	37
13	The crucial role of clay binders in the performance of ZSM-5 based materials for biomass catalytic pyrolysis. Catalysis Science and Technology, 2019, 9, 789-802.	4.1	35
14	Bidimensional ZSM-5 zeolites probed as catalysts for polyethylene cracking. Catalysis Science and Technology, 2016, 6, 2754-2765.	4.1	32
15	Performance of MCM-22 zeolite for the catalytic fast-pyrolysis of acid-washed wheat straw. Catalysis Today, 2018, 304, 30-38.	4.4	32
16	Effect of hierarchical porosity in Beta zeolites on the Beckmann rearrangement of oximes. Catalysis Science and Technology, 2017, 7, 181-190.	4.1	30
17	Insights into the mechanochemical synthesis of Sn-Î²: Solid-state metal incorporation in beta zeolite. Microporous and Mesoporous Materials, 2020, 309, 110566.	4.4	23
18	Synthesis of Nickel Phosphide Nanorods as Catalyst for the Hydrotreating of Methyl Oleate. Topics in Catalysis, 2012, 55, 991-998.	2.8	22

#	Article	IF	Citations
19	Kaolin: A Natural Low-Cost Material as Catalyst for Isomerization of Glucose to Fructose. ACS Sustainable Chemistry and Engineering, 2018, 6, 8782-8789.	6.7	22
20	Gas-phase synthesis of oxymethylene ethers over Si-rich zeolites. Green Chemistry, 2018, 20, 4719-4728.	9.0	20
21	Direct incorporation of B, Al, and Ga into medium-pore ITH zeolite: Synthesis, acidic, and catalytic properties. Catalysis Today, 2016, 277, 37-47.	4.4	17
22	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. Inorganic Chemistry Frontiers, 2018, 5, 2746-2755.	6.0	17
23	Ozone Treatment: A Versatile Tool for the Postsynthesis Modification of Porous Silica-Based Materials. Chemistry of Materials, 2018, 30, 8905-8914.	6.7	16
24	Catalytic Copyrolysis of Lignocellulose and Polyethylene Blends over HBeta Zeolite. Industrial & Engineering Chemistry Research, 2019, 58, 6243-6254.	3.7	14
25	Transition Metal Phosphide Nanoparticles Supported on SBA-15 as Highly Selective Hydrodeoxygenation Catalysts for the Production of Advanced Biofuels. Journal of Nanoscience and Nanotechnology, 2015, 15, 6642-6650.	0.9	12
26	On the Feasibility of Using Hierarchical ZSMâ€5 and Beta Zeolites as Supports of Metal Phosphides for Catalytic Hydrodeoxygenation of Phenol. Energy Technology, 2019, 7, 1900214.	3.8	12
27	Tracking the evolution of embryonic zeolites into hierarchical ZSM-5. Journal of Materials Chemistry A, 2021, 9, 13570-13587.	10.3	11
28	Hydrotreating of Methyl Esters to Produce Green Diesel over Co- and Ni-Containing Zr-SBA-15 Catalysts. Catalysts, 2020, 10, 186.	3.5	10
29	Surface and Bulk Chemistry of Mechanochemically Synthesized Tohdite Nanoparticles. Journal of the American Chemical Society, 2022, 144, 9421-9433.	13.7	4
30	Synthetic ferripyrophyllite: preparation, characterization and catalytic application. Dalton Transactions, 2021, 50, 850-857.	3.3	3