

Cristina Ochoa-Hernández

List of Publications by Year in descending order

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30
papers

1,458
citations

394421

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30
all docs

30
docs citations

30
times ranked

1859
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface and Bulk Chemistry of Mechanochemically Synthesized Tohdite Nanoparticles. <i>Journal of the American Chemical Society</i> , 2022, 144, 9421-9433.	13.7	4
2	Synthetic ferripyrophyllite: preparation, characterization and catalytic application. <i>Dalton Transactions</i> , 2021, 50, 850-857.	3.3	3
3	Tracking the evolution of embryonic zeolites into hierarchical ZSM-5. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13570-13587.	10.3	11
4	Guaiacol hydrodeoxygenation over Ni ₂ P supported on 2D-zeolites. <i>Catalysis Today</i> , 2020, 345, 48-58.	4.4	41
5	Insights into the mechanochemical synthesis of Sn ^{II} : Solid-state metal incorporation in beta zeolite. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110566.	4.4	23
6	Hydrotreating of Methyl Esters to Produce Green Diesel over Co- and Ni-Containing Zr-SBA-15 Catalysts. <i>Catalysts</i> , 2020, 10, 186.	3.5	10
7	The crucial role of clay binders in the performance of ZSM-5 based materials for biomass catalytic pyrolysis. <i>Catalysis Science and Technology</i> , 2019, 9, 789-802.	4.1	35
8	On the Feasibility of Using Hierarchical ZSM-5 and Beta Zeolites as Supports of Metal Phosphides for Catalytic Hydrodeoxygenation of Phenol. <i>Energy Technology</i> , 2019, 7, 1900214.	3.8	12
9	Catalytic Copyrolysis of Lignocellulose and Polyethylene Blends over HBeta Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6243-6254.	3.7	14
10	Performance of MCM-22 zeolite for the catalytic fast-pyrolysis of acid-washed wheat straw. <i>Catalysis Today</i> , 2018, 304, 30-38.	4.4	32
11	Gas-phase synthesis of oxymethylene ethers over Si-rich zeolites. <i>Green Chemistry</i> , 2018, 20, 4719-4728.	9.0	20
12	Proton Mobility, Intrinsic Acid Strength, and Acid Site Location in Zeolites Revealed by Varying Temperature Infrared Spectroscopy and Density Functional Theory Studies. <i>Journal of the American Chemical Society</i> , 2018, 140, 17790-17799.	13.7	51
13	Ozone Treatment: A Versatile Tool for the Postsynthesis Modification of Porous Silica-Based Materials. <i>Chemistry of Materials</i> , 2018, 30, 8905-8914.	6.7	16
14	Kaolin: A Natural Low-Cost Material as Catalyst for Isomerization of Glucose to Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8782-8789.	6.7	22
15	Engineering the acidity and accessibility of the zeolite ZSM-5 for efficient bio-oil upgrading in catalytic pyrolysis of lignocellulose. <i>Green Chemistry</i> , 2018, 20, 3499-3511.	9.0	101
16	Zeolite framework functionalisation by tuneable incorporation of various metals into the IPC-2 zeolite. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2746-2755.	6.0	17
17	Biomass catalytic fast pyrolysis over hierarchical ZSM-5 and Beta zeolites modified with Mg and Zn oxides. <i>Biomass Conversion and Biorefinery</i> , 2017, 7, 289-304.	4.6	67
18	Effect of hierarchical porosity in Beta zeolites on the Beckmann rearrangement of oximes. <i>Catalysis Science and Technology</i> , 2017, 7, 181-190.	4.1	30

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19	Direct incorporation of B, Al, and Ga into medium-pore ITH zeolite: Synthesis, acidic, and catalytic properties. <i>Catalysis Today</i> , 2016, 277, 37-47.	4.4	17
20	Lamellar and pillared ZSM-5 zeolites modified with MgO and ZnO for catalytic fast-pyrolysis of eucalyptus woodchips. <i>Catalysis Today</i> , 2016, 277, 171-181.	4.4	116
21	Ce-promoted Ni/SBA-15 catalysts for anisole hydrotreating under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2016, 197, 206-213.	20.2	37
22	Bidimensional ZSM-5 zeolites probed as catalysts for polyethylene cracking. <i>Catalysis Science and Technology</i> , 2016, 6, 2754-2765.	4.1	32
23	Influence of the Ni/P ratio and metal loading on the performance of Ni _x Py/SBA-15 catalysts for the hydrodeoxygenation of methyl oleate. <i>Fuel</i> , 2015, 144, 60-70.	6.4	70
24	Transition Metal Phosphide Nanoparticles Supported on SBA-15 as Highly Selective Hydrodeoxygenation Catalysts for the Production of Advanced Biofuels. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6642-6650.	0.9	12
25	Hydrodeoxygenation of anisole as bio-oil model compound over supported Ni and Co catalysts: Effect of metal and support properties. <i>Catalysis Today</i> , 2015, 243, 163-172.	4.4	141
26	Effect of metal-support interaction on the selective hydrodeoxygenation of anisole to aromatics over Ni-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 91-100.	20.2	192
27	Hydrocarbons production through hydrotreating of methyl esters over Ni and Co supported on SBA-15 and Al-SBA-15. <i>Catalysis Today</i> , 2013, 210, 81-88.	4.4	94
28	Synthesis of Nickel Phosphide Nanorods as Catalyst for the Hydrotreating of Methyl Oleate. <i>Topics in Catalysis</i> , 2012, 55, 991-998.	2.8	22
29	Ni ₂ P/SBA-15 As a Hydrodeoxygenation Catalyst with Enhanced Selectivity for the Conversion of Methyl Oleate Into n-Octadecane. <i>ACS Catalysis</i> , 2012, 2, 592-598.	11.2	160
30	Sulfonic Acid-Functionalized Catalysts for the Valorization of Glycerol via Transesterification with Methyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5898-5906.	3.7	56