Jorge NoÃ© DÃ-az de Leon

List of Publications by Year
in descending order

53 papers	935 citations	471509 17 h-index	501196 28 g-index
53 all docs	53 docs citations	53 times ranked	870 citing authors

#	Article	IF	Citations
1	Recent Insights in Transition Metal Sulfide Hydrodesulfurization Catalysts for the Production of Ultra Low Sulfur Diesel: A Short Review. Catalysts, 2019, 9, 87.	3.5	71
2	Competitive HDS and HDN reactions over NiMoS/HMS-Al catalysts: Diminishing of the inhibition of HDS reaction by support modification with P. Applied Catalysis B: Environmental, 2016, 180, 569-579.	20.2	69
3	Hydrodesulfurization of sulfur refractory compounds: Effect of gallium as an additive in NiWS/Î³-Al2O3 catalysts. Journal of Molecular Catalysis A, 2012, 363-364, 311-321.	4.8	59
4	Effect of gallium as an additive in hydrodesulfurization WS2/Î³-Al2O3 catalysts. Journal of Molecular Catalysis A, 2010, 323, 1-6.	4.8	51
5	Effect of gallium loading on the hydrodesulfurization activity of unsupported Ga2S3/WS2 catalysts. Applied Catalysis B: Environmental, 2012, 111-112, 10-19.	20.2	48
6	Insight of 1D Î³-Al2O3 nanorods decoration by NiWS nanoslabs in ultra-deep hydrodesulfurization catalyst. Journal of Catalysis, 2015, 321, 51-61.	6.2	40
7	Removal of refractory S-containing compounds from liquid fuels over P-loaded NiMoW/SBA-16 sulfide catalysts. Fuel, 2013, 103, 321-333.	6.4	38
8	Hydrodesulfurization enhancement of heavy and light S-hydrocarbons on NiMo/HMS catalysts modified with Al and P. Applied Catalysis A: General, 2014, 484, 108-121.	4.3	34
9	Binary Î³-Al2O3â€“Î±-Ga2O3 as supports of NiW catalysts for hydrocarbon sulfur removal. Applied Catalysis B: Environmental, 2016, 181, 524-533.	20.2	33
10	One dimensional (1D) Î³-alumina nanorod linked networks: Synthesis, characterization and application. Applied Catalysis A: General, 2014, 472, 1-10.	4.3	29
11	Effect of partial Mo substitution by W on HDS activity using sulfide CoMoW/Al2O3â€“TiO2 catalysts. Fuel, 2018, 233, 644-657.	6.4	28
12	Support effects of NiW catalysts for highly selective sulfur removal from light hydrocarbons. Applied Catalysis B: Environmental, 2017, 213, 167-176.	20.2	27
13	Support effects of NiW hydrodesulfurization catalysts from experiments and DFT calculations. Applied Catalysis B: Environmental, 2018, 238, 480-490.	20.2	26
14	Synthesis and characterization of Ga-modified Ti-HMS oxide materials with varying Ga content. Journal of Molecular Catalysis A, 2015, 397, 26-35.	4.8	24
15	Methanol electro-oxidation with alloy nanoparticles of Pt10â”â€“Fe supported on CNTs. Fuel, 2016, 182, 1-7.	6.4	21
16	Effect of TiO2 particle and pore size on DSSC efficiency. Materials for Renewable and Sustainable Energy, 2020, 9, 1.	3.6	21
17	Oxidative transformation of dibenzothiophene by chloroperoxidase enzyme immobilized on (1D)-Î³-Al2O3 nanorods. Journal of Molecular Catalysis B: Enzymatic, 2015, 115, 90-95.	1.8	20
18	Highly active CoMo/Al (10) KIT-6 catalysts for HDS of DBT: Role of structure and aluminum heteroatom in the support matrix. Catalysis Today, 2017, 296, 214-218.	4.4	20

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19	Single step and template-free synthesis of Dandelion flower-like core-shell architectures of metal oxide microspheres: Influence of sulfidation on particle morphology & hydrodesulfurization performance. Applied Catalysis B: Environmental, 2020, 277, 119213.	20.2	18
20	CoNiMo/Al2O3 sulfide catalysts for dibenzothiophene hydrodesulfurization: Effect of the addition of small amounts of nickel. Microporous and Mesoporous Materials, 2020, 309, 110574.	4.4	17
21	Catalytic dehydration of 2 propanol over Al2O3-Ga2O3 and Pd/Al2O3-Ga2O3 catalysts. Catalysis Today, 2020, 356, 339-348.	4.4	15
22	Noble metals supported on binary Î³-Al2O3-Î±-Ga2O3 oxide as potential low-temperature water-gas shift catalysts. Fuel, 2020, 266, 117031.	6.4	15
23	Ortho-xylene hydroisomerization under pressure on HMS-Ti mesoporous silica decorated with Ga2O3 nanoparticles. Fuel, 2015, 158, 405-415.	6.4	14
24	NiW/MgOâ€“TiO2 catalysts for dibenzothiophene hydrodesulfurization: Effect of preparation method. Catalysis Today, 2016, 271, 28-34.	4.4	13
25	Relevant aspects of the conversion of guaiacol as a model compound for bio-oil over supported molybdenum oxycarbide catalysts. New Journal of Chemistry, 2020, 44, 12027-12035.	2.8	13
26	Study of supported bimetallic MoRe carbides catalysts for guaiacol conversion. Catalysis Today, 2021, 367, 290-296.	4.4	13
27	Composites of Anthraquinone Dyes@HKUSTâ€1 with Tunable Microstructuring: Experimental and Theoretical Interaction Studies. Chemistry - A European Journal, 2019, 25, 4398-4411.	3.3	12
28	Hydrodesulfurization activity of Ni-containing unsupported Ga(x)WS2 catalysts. Catalysis Communications, 2019, 130, 105760.	3.3	10
29	Selective removal of sulfur from 3-methyl thiophene under mild conditions over NiW/Al2O3-TiO2 modified by surfactants. Catalysis Today, 2021, 377, 59-68.	4.4	10
30	Conversion of levulinic acid using CuO/WO3(x)-Al2O3 catalysts. Catalysis Today, 2021, 367, 310-319.	4.4	10
31	Enhanced CO₂ Hydrogenation to C₂₊ Hydrocarbons over Mesoporous x%Fe₂O₃â€“Al₂O₃ Catalysts. Industrial & Engineering Chemistry Research, 2021, 60, 18660-18671.	3.7	10
32	Template-free, facile synthesis of nickel promoted multi-walled MoS2 & nano-bricks containing hierarchical MoS2 nanotubes from the bulk NiMo oxide. Applied Catalysis B: Environmental, 2021, 298, 120617.	20.2	10
33	Low-temperature ozone treatment for carbon nanotube template removal: improving the template-based ALD method. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	9
34	Synergetic effect in RuxMo(1-x)S2/SBA-15 hydrodesulfurization catalysts: Comparative experimental and DFT studies. Applied Catalysis B: Environmental, 2019, 251, 143-153.	20.2	9
35	Magnetic nanostructured based on cobaltâ€“Zinc Ferrites designed for photocatalytic dye degradation. Journal of Physics and Chemistry of Solids, 2021, 150, 109869.	4.0	8
36	Anisole Hydrodeoxygenation: A Comparative Study of Ni/TiO2-ZrO2 and Commercial TiO2 Supported Ni and NiRu Catalysts. Topics in Catalysis, 2022, 65, 1448-1461.	2.8	8

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37	New Insight on the Formation of Sodium Titanates 1D Nanostructures and Its Application on CO2 Hydrogenation. Frontiers in Chemistry, 2019, 7, 750.	3.6	7
38	The effect of shape and size of 1D and 0D titanium oxide nanorods in the photocatalytic degradation of red amaranth toxic dye. Nano Structures Nano Objects, 2021, 26, 100738.	3.5	7
39	Effect of sulfidation conditions on the unsupported flower-like bimetallic oxide microspheres for the hydrodesulfurization of dibenzothiophene. Catalysis Today, 2022, 394-396, 13-24.	4.4	7
40	Formation of Co-Promoted MoS2 Fullerene-Like Nanostructures on SBA-15 as Effective Hydrodesulfurization Catalyst. Catalysis Letters, 2017, 147, 46-57.	2.6	6
41	Unsupported CoNixMo sulfide hydrodesulfurization catalysts prepared by the thermal decomposition of trimetallic tetrabutylammonium thiomolybdate: effect of nickel on sulfur removal. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 187-198.	1.7	6
42	Synthesis of Aluminium Doped Na-Titanate Nanorods and Its Application as Potential CO2 Hydrogenation Catalysts. Catalysis Letters, 2019, 149, 3361-3369.	2.6	5
43	Fundamental Study of Catalytic Functionalities Involved in Effective Câ€“O Cleavage over Ru-Supported Catalysts. Industrial & Engineering Chemistry Research, 2021, 60, 18880-18890.	3.7	5
44	Hydrothermal synthesis of bulk Ni impregnated WO3 2D layered structures as catalysts for the desulfurization of 3-methyl thiophene. Chemical Engineering Journal Advances, 2022, 11, 100312.	5.2	4
45	Oxidative dehydrogenation of n-octane over Mg-containing SBA-15 material. Materials Research Innovations, 2018, 22, 247-253.	2.3	3
46	Synthesis and characterization of metal oxides complexes with potential application in HDS reactions. Materials Letters, 2021, 291, 129562.	2.6	3
47	Insight into alcohol transformation over binary Al2O3-Y2O3 mixed oxide nanoparticles. Applied Catalysis B: Environmental, 2022, 315, 121567.	20.2	3
48	Triblock Copolymer Effect During the Synthesis of ZrO2-TiO2 Mixed Oxides Supports for NiW Hydrodesulfurization Catalysts. Topics in Catalysis, 2022, 65, 1516-1529.	2.8	2
49	2,5-Dimethylfuran Production by Catalytic Hydrogenation of 5-Hydroxymethylfurfural Using Ni Supported on Al2O3-TiO2-ZrO2 Prepared by Sol-Gel Method: The Effect of Hydrogen Donors. Molecules, 2022, 27, 4187.	3.8	2
50	Insight into copper-mordeniteâ€“silica mixtures (CuMORâ€“SiO2). Comptes Rendus Chimie, 2015, 18, 474-477.	0.5	1
51	PREPARATION AND EVALUATION OF NiCoMo HYDRODESULFURIZATION CATALYSTS SUPPORTED OVER A BINARY ZEOLITE(BETA)-KIT-6 SILICEOUS MATERIAL. Revista Mexicana De Ingeniera Quimica, 2018, 17, 215-228.	0.4	1
52	Effect of the Structural and Electronic Properties of Rh/CeXZr1-XO2 Catalysts on the Low-temperature Ethanol Steam-reforming. Journal of the Mexican Chemical Society, 2021, 65, .	0.6	0
53	Nanocatalizadores para la producciÃ³n de energÃas limpias. Mundo Nano Revista Interdisciplinaria En Nanociencia Y NanotecnologÃa, 2016, 8, 45-52.	0.1	0