

Jovita Moreno

List of Publications by Year in descending order

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44
papers

1,279
citations

331670

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361022

35
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44
all docs

44
docs citations

44
times ranked

1599
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment of processes for hydrogen production. Environmental feasibility and reduction of greenhouse gases emissions. International Journal of Hydrogen Energy, 2009, 34, 1370-1376.	7.1	194
2	Direct synthesis of mesoporous M-SBA-15 (M=Al, Fe, B, Cr) and application to 1-hexene oligomerization. Chemical Engineering Journal, 2009, 155, 442-450.	12.7	79
3	Hydrogen Production from Fossil Fuels: Life Cycle Assessment of Technologies with Low Greenhouse Gas Emissions. Energy & Fuels, 2011, 25, 2194-2202.	5.1	74
4	Zr-SBA-15 Lewis Acid Catalyst: Activity in Meerwein Ponndorf Verley Reduction. Catalysts, 2015, 5, 1911-1927.	3.5	63
5	Life cycle assessment of hydrogen production from biomass gasification. Evaluation of different Spanish feedstocks. International Journal of Hydrogen Energy, 2013, 38, 7616-7622.	7.1	61
6	Liquid phase oligomerization of 1-hexene over different mesoporous aluminosilicates (Al-MTS,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54. 2006, 305, 176-188.	4.3	58
7	Recycling of used lubricating oil: Evaluation of environmental and energy performance by LCA. Resources, Conservation and Recycling, 2017, 125, 315-323.	10.8	46
8	Preparation, characterization and testing of Cr/AlSBA-15 ethylene polymerization catalysts. Applied Catalysis A: General, 2007, 316, 22-31.	4.3	45
9	Well-Defined Mesostructured Organic-Inorganic Hybrid Materials via Atom Transfer Radical Grafting of Oligomethacrylates onto SBA-15 Pore Surfaces. Chemistry of Materials, 2008, 20, 4468-4474.	6.7	45
10	Life cycle assessment of hydrogen production by methane decomposition using carbonaceous catalysts. International Journal of Hydrogen Energy, 2010, 35, 1205-1212.	7.1	42
11	Dehydration of sorbitol to isosorbide in melted phase with propyl-sulfonic functionalized SBA-15: Influence of catalyst hydrophobization. Applied Catalysis A: General, 2017, 531, 151-160.	4.3	40
12	One-step synthesis of chromium and aluminium containing SBA-15 materialsNew phillips catalysts for ethylene polymerization. Chemical Engineering Journal, 2008, 137, 443-452.	12.7	33
13	Environmental analysis of Spirulina cultivation and biogas production using experimental and simulation approach. Renewable Energy, 2018, 129, 724-732.	8.9	32
14	Catalytic transfer hydrogenation of maleic acid with stoichiometric amounts of formic acid in aqueous phase: paving the way for more sustainable succinic acid production. Green Chemistry, 2020, 22, 1859-1872.	9.0	32
15	Production of Sorbitol via Catalytic Transfer Hydrogenation of Glucose. Applied Sciences (Switzerland), 2020, 10, 1843.	2.5	29
16	Development of novel chromium oxide/metallocene hybrid catalysts for bimodal polyethylene. Polymer, 2011, 52, 1891-1899.	3.8	28
17	Liquid-Phase Oligomerization of 1-Hexene Using Al-MTS Catalysts. Industrial & Engineering Chemistry Research, 2006, 45, 7409-7414.	3.7	25
18	Transformation of Glucose into Sorbitol on Raney Nickel Catalysts in the Absence of Molecular Hydrogen: Sugar Disproportionation vs Catalytic Hydrogen Transfer. Topics in Catalysis, 2019, 62, 570-578.	2.8	25

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19	Sn-Al-USY for the valorization of glucose to methyl lactate: switching from hydrolytic to retro-aldol activity by alkaline ion exchange. <i>Green Chemistry</i> , 2019, 21, 5876-5885.	9.0	24
20	Life-cycle sustainability of biomass-derived sorbitol: Proposing technological alternatives for improving the environmental profile of a bio-refinery platform molecule. <i>Journal of Cleaner Production</i> , 2020, 250, 119568.	9.3	24
21	Catalytic Transfer Hydrogenation of Glucose to Sorbitol with Raney Ni Catalysts Using Biomass-Derived Diols as Hydrogen Donors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14857-14867.	6.7	24
22	Chromium supported onto swelled Al-MCM-41 materials: a promising catalysts family for ethylene polymerization. <i>Catalysis Communications</i> , 2005, 6, 153-157.	3.3	23
23	Chromium oxide/metallocene binary catalysts for bimodal polyethylene: Hydrogen effects. <i>Chemical Engineering Journal</i> , 2012, 213, 62-69.	12.7	22
24	Nitrogen and sulphur poisoning in alkene oligomerization over mesostructured aluminosilicates (Al-MTS, Al-MCM-41) and nanocrystalline n-HZM-5. <i>Applied Catalysis A: General</i> , 2008, 337, 173-183.	4.3	20
25	Morphological modifications of Cr/SBA-15 and Cr/Al-SBA-15 ethylene polymerization catalysts: Influence on catalytic behaviour and polymer properties. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 294-302.	4.4	20
26	Comparative Life Cycle Assessment of Glucose Production from Maize Starch and Woody Biomass Residues as a Feedstock. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2946.	2.5	19
27	Comparative Life Cycle Assessment of Biodiesel Production from Cardoon (<i>Cynara cardunculus</i>) and Rapeseed Oil Obtained under Spanish Conditions. <i>Energy & Fuels</i> , 2013, 27, 5280-5286.	5.1	18
28	Ru-ZrO ₂ -SBA-15 as efficient and robust catalyst for the aqueous phase hydrogenation of glucose to sorbitol. <i>Molecular Catalysis</i> , 2020, 484, 110802.	2.0	18
29	Synthesis and characterisation of (hydroxypropyl)-2-aminomethyl pyridine containing hybrid polymer-silica SBA-15 materials supporting Mo(vi) centres and their use as heterogeneous catalysts for oct-1-ene epoxidation. <i>Journal of Materials Chemistry</i> , 2011, 21, 6725.	6.7	15
30	Isosorbide Production from Sorbitol over Heterogeneous Acid Catalysts: Screening and Kinetic Study. <i>Topics in Catalysis</i> , 2017, 60, 1027-1039.	2.8	14
31	Ethylene/1-Butene Copolymerization over Heterogeneous Metallocene Catalyst. <i>Macromolecular Symposia</i> , 2007, 259, 174-180.	0.7	12
32	Ethylene Polymerization by Metallocene Catalysts Supported over Siliceous Materials with Bimodal Pore Size Distribution. <i>Macromolecular Symposia</i> , 2011, 302, 198-207.	0.7	12
33	Production of bimodal polyethylene on chromium oxide/metallocene binary catalyst: Evaluation of comonomer effects. <i>Chemical Engineering Journal</i> , 2017, 315, 46-57.	12.7	12
34	Mo(VI) Complexes Immobilized on SBA-15 as an Efficient Catalyst for 1-Octene Epoxidation. <i>Catalysts</i> , 2017, 7, 215.	3.5	12
35	KMS platform: A complete tool for modeling chemical and biochemical reactors. <i>Education for Chemical Engineers</i> , 2021, 34, 127-137.	4.8	7
36	Ethylene polymerization over chromium supported onto SBA-15 mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2005, , 1453-1460.	1.5	6

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37	Techno-economic comparison of optimized natural gas combined cycle power plants with CO ₂ capture. <i>Energy</i> , 2022, 255, 124617.	8.8	6
38	Integrated Environmental and Exergoeconomic Analysis of Biomass-Derived Maleic Anhydride. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	6
39	Control of SBA-15 materials morphology by modification of synthesis conditions. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 321-324.	1.5	5
40	Synthesis and characterization of low molecular weight poly(1-butene) macromolecules prepared using metallocene catalysts. <i>Applied Catalysis A: General</i> , 2013, 460-461, 70-77.	4.3	4
41	Synthesis of hard mesoporous macro-spheres with silicate and aluminosilicate compositions. <i>Journal of Porous Materials</i> , 2010, 17, 387-397.	2.6	3
42	Synthesis and Characterization of Low Molecular Weight Ethylene-Propylene Copolymers Prepared Using Metallocene Catalysts. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 796-804.	1.5	1
43	Evaluation of Bimodal Polyethylene from Chromium Oxide/Metallocene Hybrid Catalysts for High Resistance Applications. <i>Macromolecular Reaction Engineering</i> , 2020, 14, 2000032.	1.5	1
44	Constructing eigenfunctions of non-selfadjoint coupled parabolic boundary problems. <i>Mathematical and Computer Modelling</i> , 2006, 43, 275-282.	2.0	0