

Tyrone

List of Publications by Year in descending order

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36
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times ranked

1836
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of support identity and metal dispersion in supported ruthenium hydrodeoxygenation catalysts. <i>Applied Catalysis A: General</i> , 2014, 477, 64-74.	4.3	144
2	Hydrodeoxygenation of guaiacol over carbon-supported molybdenum nitride catalysts: Effects of nitrating methods and support properties. <i>Applied Catalysis A: General</i> , 2012, 439-440, 111-124.	4.3	126
3	Comparison of alumina- and SBA-15-supported molybdenum nitride catalysts for hydrodeoxygenation of guaiacol. <i>Applied Catalysis A: General</i> , 2012, 435-436, 51-60.	4.3	110
4	Hydrodeoxygenation of 2-methoxyphenol over Mo ₂ N catalysts supported on activated carbons. <i>Catalysis Today</i> , 2011, 172, 232-239.	4.4	109
5	Guaiacol transformation over unsupported molybdenum-based nitride catalysts. <i>Applied Catalysis A: General</i> , 2012, 413-414, 78-84.	4.3	94
6	Hydrodeoxygenation of guaiacol over Ni/carbon catalysts: effect of the support and Ni loading. <i>RSC Advances</i> , 2016, 6, 2611-2623.	3.6	94
7	Effects of pore diameter on particle size, phase, and turnover frequency in mesoporous silica supported cobalt Fischer-Tropsch catalysts. <i>Applied Catalysis A: General</i> , 2010, 388, 57-67.	4.3	82
8	Hydrodeoxygenation of 2-methoxyphenol over different Re active phases supported on SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2015, 490, 71-79.	4.3	78
9	Catalytic hydrodeoxygenation of anisole over Re-MoO _x /TiO ₂ and Re-VO _x /TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 208, 60-74.	20.2	73
10	Laboratory evolution of P450 BM3 for mediated electron transfer yielding an activity-improved and reductase-independent variant. <i>Protein Engineering, Design and Selection</i> , 2007, 21, 29-35.	2.1	68
11	Carbon nanofiber-supported ReO _x catalysts for the hydrodeoxygenation of lignin-derived compounds. <i>Catalysis Science and Technology</i> , 2016, 6, 4356-4369.	4.1	59
12	Phenol hydrodeoxygenation: effect of support and Re promoter on the reactivity of Co catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 7289-7306.	4.1	56
13	Role of Liquid vs Vapor Water in the Hydrothermal Degradation of SBA-15. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22802-22814.	3.1	47
14	Size and Spatial Distribution of Micropores in SBA-15 using CM-SANS. <i>Chemistry of Materials</i> , 2011, 23, 3828-3840.	6.7	45
15	Hydrodeoxygenation of guaiacol over ReS ₂ /activated carbon catalysts. Support and Re loading effect. <i>Applied Catalysis A: General</i> , 2014, 475, 427-437.	4.3	42
16	A study of the hydrodeoxygenation of anisole over Re-MoO _x /TiO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2018, 549, 225-236.	4.3	40
17	Effect of Re content and support in the liquid phase conversion of furfural to furfuryl alcohol and 2-methyl furan over ReO _x catalysts. <i>Fuel</i> , 2019, 242, 532-544.	6.4	32
18	Hydrogenation of sodium hydrogen carbonate in aqueous phase using metal/activated carbon catalysts. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 368-375.	20.2	30

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19	Conversion of guaiacol over metal carbides supported on activated carbon catalysts. <i>Catalysis Today</i> , 2020, 356, 376-383.	4.4	21
20	The direct molecular oxygen partial oxidation of CH ₄ to dimethyl ether without methanol formation over a Pt/Y ₂ O ₃ catalyst using an NO/NO ₂ oxygen atom shuttle. <i>Journal of Catalysis</i> , 2020, 389, 352-365.	6.2	21
21	Effect of phosphorus on the activity of Cu/SiO ₂ catalysts in the hydrogenolysis of glycerol. <i>Catalysis Today</i> , 2017, 279, 217-223.	4.4	17
22	Conversion of guaiacol over different Re active phases supported on CeO ₂ -Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2017, 547, 256-264.	4.3	17
23	A New One-Pot Sequential Reduction-Deposition Method for the synthesis of Silica-supported NiPt and CuPt Bimetallic Catalysts. <i>Applied Catalysis A: General</i> , 2020, 591, 117371.	4.3	14
24	Valorization of biomass derivatives through the conversion of phenol over silica-supported Mo-Re oxide catalysts. <i>Fuel</i> , 2020, 259, 116245.	6.4	13
25	Selective conversion of biomass-derived furfural to cyclopentanone over carbon nanotube-supported Ni catalyst in Pickering emulsions. <i>Catalysis Communications</i> , 2020, 144, 106092.	3.3	12
26	Methane selective oxidation on metal oxide catalysts at low temperatures with O ₂ using an NO/NO ₂ oxygen atom shuttle. <i>Journal of Catalysis</i> , 2022, 408, 401-412.	6.2	10
27	The Delplot kinetic method applied to systems with adsorbates: Hydrodeoxygenation of benzofuran on a bimetallic CoPd phosphide catalyst supported on KUSY. <i>Journal of Catalysis</i> , 2021, 404, 786-801.	6.2	10
28	Applicability of the Delplot method for the determination of catalytic reaction sequences: Hydrodeoxygenation of δ^3 -valerolactone on Ni ₂ P/MCM-41. <i>Chemical Engineering Science</i> , 2020, 223, 115697.	3.8	9
29	Thermal Modification Effect on Supported Cu-Based Activated Carbon Catalyst in Hydrogenolysis of Glycerol. <i>Materials</i> , 2020, 13, 603.	2.9	7
30	EFFECT OF MO CONTENT IN MO(X)γ-AL ₂ O ₃ CATALYSTS OVER THE CONVERSION OF 2-METHOXYPHENOL AS LIGNIN-DERIVATES COMPONENTS. <i>Journal of the Chilean Chemical Society</i> , 2013, 58, 1947-1951.	1.2	5
31	STUDY OF THE CATALYTIC CONVERSION AND ADSORPTION OF ABIETIC ACID ON ACTIVATED CARBON: EFFECT OF SURFACE ACIDITY. <i>Journal of the Chilean Chemical Society</i> , 2016, 61, 3239-3245.	1.2	5
32	The promoter effect of Co on the catalytic activity of the Cu oxide active phase supported on Al ₂ O ₃ in the hydrogenolysis of glycerol. <i>New Journal of Chemistry</i> , 2019, 43, 15636-15645.	2.8	5
33	Isotopic ¹⁸ O/ ¹⁶ O substitution study on the direct partial oxidation of CH ₄ to dimethyl ether over a Pt/Y ₂ O ₃ catalyst using NO/O ₂ as an oxidant. <i>Catalysis Science and Technology</i> , 2021, 11, 2708-2712.	4.1	5
34	Conversion of levulinic acid over rhenium oxide catalysts: Effect of metal content. <i>Applied Catalysis A: General</i> , 2021, 625, 118328.	4.3	5
35	Optimizing the carburization conditions of supported rhenium carbide for guaiacol conversion. <i>Applied Catalysis A: General</i> , 2021, 623, 118267.	4.3	4
36	Energy Production, Decontamination, and Hydrogenation Reactions over Perovskite-Type Oxide Catalyt. , 2016, , .		1