

Hui Lou

List of Publications by Year in descending order

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43
papers

2,932
citations

218677

26
h-index

254184

43
g-index

43
all docs

43
docs citations

43
times ranked

3478
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry reforming of methane over nickel catalysts supported on magnesium aluminate spinels. <i>Applied Catalysis A: General</i> , 2004, 273, 75-82.	4.3	582
2	The deposition of coke from methane on a Ni/MgAl ₂ O ₄ catalyst. <i>Carbon</i> , 2007, 45, 1314-1321.	10.3	274
3	Catalytic upgrading of bio-oil by HZSM-5 in sub- and super-critical ethanol. <i>Bioresource Technology</i> , 2009, 100, 3415-3418.	9.6	182
4	Transesterification of sunflower oil to biodiesel on ZrO ₂ supported La ₂ O ₃ catalyst. <i>Bioresource Technology</i> , 2010, 101, 953-958.	9.6	173
5	Nanostructured molybdenum carbides supported on carbon nanotubes as efficient catalysts for one-step hydrodeoxygenation and isomerization of vegetable oils. <i>Green Chemistry</i> , 2011, 13, 2561.	9.0	141
6	Selective hydrogenation of furfural to tetrahydrofurfuryl alcohol over Ni/CNTs and bimetallic Cu Ni/CNTs catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14721-14731.	7.1	129
7	One-step hydrogenation-esterification of furfural and acetic acid over bifunctional Pd catalysts for bio-oil upgrading. <i>Bioresource Technology</i> , 2011, 102, 8241-8246.	9.6	107
8	Upgrading of low-boiling fraction of bio-oil in supercritical methanol and reaction network. <i>Bioresource Technology</i> , 2011, 102, 4884-4889.	9.6	99
9	Upgrading of Bio-oil over Aluminum Silicate in Supercritical Ethanol. <i>Energy & Fuels</i> , 2008, 22, 3489-3492.	5.1	97
10	Carbon-Supported Molybdenum Carbide Catalysts for the Conversion of Vegetable Oils. <i>ChemSusChem</i> , 2012, 5, 727-733.	6.8	93
11	One-pot synthesized mesoporous Ca/SBA-15 solid base for transesterification of sunflower oil with methanol. <i>Applied Catalysis A: General</i> , 2010, 390, 26-34.	4.3	78
12	Diesel-like hydrocarbons obtained by direct hydrodeoxygenation of sunflower oil over Pd/Al-SBA-15 catalysts. <i>Catalysis Communications</i> , 2012, 17, 76-80.	3.3	76
13	Upgrading of high-boiling fraction of bio-oil in supercritical methanol. <i>Bioresource Technology</i> , 2011, 102, 9223-9228.	9.6	73
14	Molybdenum Carbide-Catalyzed Conversion of Renewable Oils into Diesel-like Hydrocarbons. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2577-2583.	4.3	72
15	Palladium-catalyzed decarboxylation of higher aliphatic esters: Towards a new protocol to the second generation biodiesel production. <i>Green Chemistry</i> , 2010, 12, 463.	9.0	69
16	Biodiesel Production from Transesterification of Rapeseed Oil Using KF/Eu ₂ O ₃ as a Catalyst. <i>Energy & Fuels</i> , 2008, 22, 2756-2760.	5.1	66
17	Highly dispersed molybdenum carbide nanoparticles supported on activated carbon as an efficient catalyst for the hydrodeoxygenation of vanillin. <i>RSC Advances</i> , 2015, 5, 43141-43147.	3.6	63
18	The reactivity of surface active carbonaceous species with CO ₂ and its role on hydrocarbon conversion reactions. <i>Journal of Molecular Catalysis A</i> , 2010, 316, 1-7.	4.8	54

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19	Carbon nanofibers supported molybdenum carbide catalysts for hydrodeoxygenation of vegetable oils. <i>RSC Advances</i> , 2013, 3, 17485.	3.6	54
20	Characterization of Cu ²⁺ /Mn/Zelite-Y Catalyst for One-Step Synthesis of Dimethyl Ether from CO ₂ . <i>Energy & Fuels</i> , 2008, 22, 2877-2884.	5.1	43
21	Mesoporous Li/ZrO ₂ as a solid base catalyst for biodiesel production from transesterification of soybean oil with methanol. <i>Catalysis Communications</i> , 2011, 12, 606-610.	3.3	38
22	Influence of solvent on upgrading of phenolic compounds in pyrolysis bio-oil. <i>RSC Advances</i> , 2014, 4, 49924-49929.	3.6	37
23	In situ catalytic conversion of biomass fast pyrolysis vapors on HZSM-5. <i>Journal of Energy Chemistry</i> , 2016, 25, 427-433.	12.9	37
24	Carbon-Supported Molybdenum-Based Catalysts for the Hydrodeoxygenation of Maize Oil. <i>ChemCatChem</i> , 2014, 6, 2698-2705.	3.7	36
25	Palladium catalysts supported on carbon-nitrogen composites for aqueous-phase hydrogenation of phenol. <i>Catalysis Science and Technology</i> , 2015, 5, 2300-2304.	4.1	30
26	Aqueous-phase reforming of the low-boiling fraction of rice husk pyrolyzed bio-oil in the presence of platinum catalyst for hydrogen production. <i>Bioresource Technology</i> , 2012, 125, 335-339.	9.6	27
27	Recyclable CeO ₂ -ZrO ₂ and CeO ₂ -TiO ₂ mixed oxides based Pt catalyst for aqueous-phase reforming of the low-boiling fraction of bio-oil. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9577-9588.	7.1	26
28	Aqueous-phase reforming of the low-boiling fraction of bio-oil for hydrogen production: The size effect of Pt/Al ₂ O ₃ . <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14798-14805.	7.1	23
29	Improvement of stability of out-layer MgAl ₂ O ₄ spinel for a Ni/MgAl ₂ O ₄ /Al ₂ O ₃ catalyst in dry reforming of methane. <i>Reaction Kinetics and Catalysis Letters</i> , 2005, 84, 93-100.	0.6	22
30	A general synthesis strategy of multi-metallic nanoparticles within mesoporous titania via in situ photo-deposition. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17321-17328.	10.3	22
31	Palladium-Catalyzed Transformation of Renewable Oils into Diesel Components. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1805-1809.	4.3	20
32	Hydrogenation in supercritical conditions catalyzed by palladium supported on modified activated carbon. <i>RSC Advances</i> , 2015, 5, 66704-66710.	3.6	19
33	Room temperature transesterification of soybean oil to biodiesel catalyzed by rod-like Ca SiO ₂ solid base. <i>Catalysis Communications</i> , 2011, 12, 1005-1008.	3.3	17
34	Effects of graphitization of carbon nanospheres on hydrodeoxygenation activity of molybdenum carbide. <i>Catalysis Science and Technology</i> , 2018, 8, 4199-4208.	4.1	14
35	Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 2971-2973.	6.7	13
36	Hydrodeoxygenation of Bio-Derived Phenol to Cyclohexane Fuel Catalyzed by Bifunctional Mesoporous Organic-Inorganic Hybrids. <i>Frontiers in Chemistry</i> , 2018, 6, 216.	3.6	7

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37	Synthesis, Crystal Structure and Reducibility of K_2NiF_4 Type Oxides $Sm_2xSr_xCuO_{4-x}$. Chinese Journal of Chemistry, 2002, 20, 346-351.	4.9	4
38	Adsorption properties of methane on Mo and Pd-Ga loaded HZSM-5 at mild temperature. Catalysis Letters, 2007, 116, 143-148.	2.6	3
39	Syngas production from methane reforming with O_2 and CO_2 over $Ni-La_2O_3/SiO_2$ catalysts using EDTA salt precursors. Reaction Kinetics and Catalysis Letters, 2009, 98, 303-309.	0.6	3
40	Synthesis and characterization of CeO_2 by the hydrothermal method assisted by carboxymethylcellulose sodium. Reaction Kinetics and Catalysis Letters, 2009, 98, 311-318.	0.6	3
41	Improving the catalytic efficiency of carbon-based active sites by trace oxide promoters for highly productive olefin synthesis. Catalysis Science and Technology, 2017, 7, 802-806.	4.1	3
42	Autothermal Reforming and Partial Oxidation of Methane in Fluidized Reactor over Highly Dispersed Ni Catalyst Prepared from Ni Complex. Chinese Journal of Chemistry, 2006, 24, 721-723.	4.9	2
43	Improvement of stability of out-layer $MgAl_2O_4$ spinel for a $Ni/MgAl_2O_4/Al_2O_3$ catalyst in dry reforming of methane. Reaction Kinetics and Catalysis Letters, 2005, 84, 93-100.	0.6	1