

Wenhao Fang

List of Publications by Year in descending order

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42
papers

2,029
citations

201385

27
h-index

301761

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46
docs citations

46
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of Cellulose into Sorbitol over Carbon Nanotube-Supported Ruthenium Catalyst. <i>Catalysis Letters</i> , 2009, 133, 167-174.	1.4	290
2	Hydrotalcite-Supported Gold Catalyst for the Oxidant-Free Dehydrogenation of Benzyl Alcohol: Studies on Support and Gold Size Effects. <i>Chemistry - A European Journal</i> , 2011, 17, 1247-1256.	1.7	235
3	Gold nanoparticles on hydrotalcites as efficient catalysts for oxidant-free dehydrogenation of alcohols. <i>Chemical Communications</i> , 2010, 46, 1547.	2.2	133
4	Ru/Mn Ce1O catalysts with enhanced oxygen mobility and strong metal-support interaction: Exceptional performances in 5-hydroxymethylfurfural base-free aerobic oxidation. <i>Journal of Catalysis</i> , 2018, 368, 53-68.	3.1	121
5	Co3O4 NPs decorated Mn-Co-O solid solution as highly selective catalyst for aerobic base-free oxidation of 5-HMF to 2,5-FDCA in water. <i>Catalysis Today</i> , 2020, 355, 252-262.	2.2	71
6	Highly dispersed ruthenium nanoparticles on hydroxyapatite as selective and reusable catalyst for aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid under base-free conditions. <i>Molecular Catalysis</i> , 2018, 450, 55-64.	1.0	67
7	5-Hydroxymethylfurfural production from dehydration of fructose catalyzed by Aquivion@silica solid acid. <i>Fuel</i> , 2018, 214, 45-54.	3.4	65
8	Base-free aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid in water by hydrotalcite-activated carbon composite supported gold catalyst. <i>Molecular Catalysis</i> , 2017, 439, 171-179.	1.0	64
9	One-pot synthesis of Pd-promoted Ce-Ni mixed oxides as efficient catalysts for imine production from the direct N-alkylation of amine with alcohol. <i>Catalysis Science and Technology</i> , 2019, 9, 286-301.	2.1	57
10	Steam reforming, partial oxidation and oxidative steam reforming for hydrogen production from ethanol over cerium nickel based oxyhydride catalyst. <i>Applied Catalysis A: General</i> , 2016, 518, 78-86.	2.2	55
11	Efficient imine synthesis from oxidative coupling of alcohols and amines under air atmosphere catalysed by Zn-doped Al2O3 supported Au nanoparticles. <i>Journal of Catalysis</i> , 2019, 377, 110-121.	3.1	54
12	Effective Control of Particle Size and Electron Density of Pd/C and Sn-Pd/C Nanocatalysts for Vanillin Production via Base-Free Oxidation. <i>ACS Catalysis</i> , 2020, 10, 7699-7709.	5.5	52
13	Room Temperature Hydrogen Production from Ethanol over CeNi _X H _Z O _Y Nano-Oxyhydride Catalysts. <i>ChemCatChem</i> , 2013, 5, 2207-2216.	1.8	46
14	Hydrogen production from bioethanol catalyzed by NiMg2AlOY ex-hydrotalcite catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 152-153, 370-382.	10.8	46
15	Silica-immobilized Aquivion PFSA superacid: application to heterogeneous direct etherification of glycerol with n-butanol. <i>Catalysis Science and Technology</i> , 2015, 5, 3980-3990.	2.1	45
16	Tailoring the Reactive Oxygen Species in Mesoporous NiO for Selectivity-Controlled Aerobic Oxidation of 5-Hydroxymethylfurfural on a Loaded Pt Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6056-6067.	3.2	43
17	A Comparative Study of Size Effects in the Au-Catalyzed Oxidative and Non-Oxidative Dehydrogenation of Benzyl Alcohol. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2187-2196.	1.7	41
18	Performant Au hydrogenation catalyst cooperated with Cu-doped Al2O3 for selective conversion of furfural to furfuryl alcohol at ambient pressure. <i>Green Energy and Environment</i> , 2021, 6, 546-556.	4.7	38

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19	Ce-Ni mixed oxide as efficient catalyst for H ₂ production and nanofibrous carbon material from ethanol in the presence of water. RSC Advances, 2012, 2, 9626.	1.7	36
20	Synergy in Sn-Mn oxide boosting the hydrogenation catalysis of supported Pt nanoparticles for selective conversion of levulinic acid. Applied Catalysis B: Environmental, 2022, 300, 120746.	10.8	36
21	A magnetic CoRu-CoO _X nanocomposite efficiently hydrogenates furfural to furfuryl alcohol at ambient H ₂ pressure in water. Chemical Communications, 2020, 56, 3765-3768.	2.2	35
22	Advanced functionalized Mg ₂ AlNiXHZOY nano-oxyhydrides ex-hydrothermal catalysts for hydrogen production from oxidative steam reforming of ethanol. International Journal of Hydrogen Energy, 2016, 41, 15443-15452.	3.8	34
23	Steam reforming and oxidative steam reforming for hydrogen production from bioethanol over Mg ₂ AlNiXHZOY nano-oxyhydride catalysts. International Journal of Hydrogen Energy, 2018, 43, 17643-17655.	3.8	34
24	Aquivion® carbon composites via hydrothermal carbonization: amphiphilic catalysts for solvent-free biphasic acetalization. Journal of Materials Chemistry A, 2016, 4, 4380-4385.	5.2	32
25	Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural on a Ru(0) Center in Cooperation with a Co(II)/Co(III) Redox Pair over the One-Pot Synthesized Ru-Co Composites. Industrial & Engineering Chemistry Research, 2020, 59, 17200-17209.	1.8	31
26	Efficient hydrogenation of 5-hydroxymethylfurfural using a synergistically bimetallic Ru-Ir/C catalyst. Chemical Communications, 2021, 57, 1742-1745.	2.2	31
27	Highly loaded well dispersed stable Ni species in NiMg ₂ AlOY nanocomposites: Application to hydrogen production from bioethanol. Applied Catalysis B: Environmental, 2015, 166-167, 485-496.	10.8	29
28	Etherification of 5-Hydroxymethylfurfural to Biofuel Additive Catalyzed by Aquivion® PFSA Modified Mesoporous Silica. European Journal of Inorganic Chemistry, 2018, 2018, 3706-3716.	1.0	29
29	Efficient imine synthesis <i>via</i> oxidative coupling of alcohols with amines in an air atmosphere using a mesoporous manganese-zirconium solid solution catalyst. Catalysis Science and Technology, 2021, 11, 810-822.	2.1	26
30	Hydrogenation of levulinic acid to γ -valerolactone over bifunctional Ru/(AlO)(ZrO) catalyst: Effective control of Lewis acidity and surface synergy. Molecular Catalysis, 2020, 493, 111097.	1.0	24
31	Efficient Imine Formation by Oxidative Coupling at Low Temperature Catalyzed by High-Surface-Area Mesoporous CeO ₂ with Exceptional Redox Property. Chemistry - A European Journal, 2021, 27, 3019-3028.	1.7	24
32	Oxidant-Free Dehydrogenation of Alcohols over Hydrothermalite-Supported Palladium Catalysts. Chinese Journal of Catalysis, 2010, 31, 1061-1070.	6.9	23
33	Efficient hydrogenation of furfural to furfuryl alcohol by magnetically recoverable RuCo bimetallic catalyst. Green Energy and Environment, 2022, 7, 275-287.	4.7	21
34	Influence of Support Properties and Particle Size on the Gold-Catalyzed Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural. ChemistrySelect, 2020, 5, 1416-1423.	0.7	20
35	Insight into the Property Modification of Zr-Incorporated Alumina Binary Mixed Oxides by XRD, TEM, XPS, TPD and IR. ChemistrySelect, 2020, 5, 7928-7933.	0.7	9
36	One-pot synthesis of finely-dispersed Au nanoparticles on ZnO hexagonal sheet for base-free aerobic oxidation of vanillyl alcohol. Catalysis Science and Technology, 0, , .	2.1	7

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37	AuCu/CeO ₂ bimetallic catalysts for the selective oxidation of fatty alcohol ethoxylates to alkyl ether carboxylic acids. <i>Journal of Catalysis</i> , 2019, 380, 132-144.	3.1	6
38	Sustainable synthesis of vanillin through base-free selective oxidation using synergistic AgPd nanoparticles loaded on ZrO ₂ . <i>Catalysis Science and Technology</i> , 0, , .	2.1	6
39	Efficient activation of H ₂ on copper species immobilized by MCM-41 for selective hydrogenation of furfural at ambient pressure. <i>Molecular Catalysis</i> , 2021, 515, 111921.	1.0	5
40	Influence of Calcination on Mesoporous Mn 1 Zr 0.5 O y Solid Solution in Oxidative Coupling Catalysis for Benzylideneaniline Formation. <i>ChemistrySelect</i> , 2021, 6, 234-238.	0.7	4
41	Direct conversion of fructose to levulinic acid in water medium catalyzed by a reusable perfluorosulfonic acid Aquivion® resin. <i>Molecular Catalysis</i> , 2022, 520, 112159.	1.0	4
42	Etherification of 5-Hydroxymethylfurfural to Biofuel Additive Catalyzed by Aquivion® PFSA Modified Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3691-3691.	1.0	0