# Wenhao Fang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3568249/publications.pdf

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|---|---|---|---|
| 42 papers | 2,029 citations | 201385 27 h-index | 301761 39 g-index |
| 46 all docs | 46 docs citations | 46 times ranked | 1990 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficient hydrogenation of furfural to furfuryl alcohol by magnetically recoverable RuCo bimetallic catalyst. Green Energy and Environment, 2022, 7, 275-287. | 4.7 | 21 |
| 2 | 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 |
| 3 | Direct conversion of fructose to levulinic acid in water medium catalyzed by a reusable perfluorosulfonic acid AquivionÂ® resin. Molecular Catalysis, 2022, 520, 112159. | 1.0 | 4 |
| 4 | Performant Au hydrogenation catalyst cooperated with Cu-doped Al2O3 for selective conversion of furfural to furfuryl alcohol at ambient pressure. Green Energy and Environment, 2021, 6, 546-556. | 4.7 | 38 |
| 5 | Efficient Imine Formation by Oxidative Coupling at Low Temperature Catalyzed by Highâ€Surfaceâ€Area Mesoporous CeO<sub>2</sub> with Exceptional Redox Property. Chemistry - A European Journal, 2021, 27, 3019-3028. | 1.7 | 24 |
| 6 | Efficient imine synthesis via oxidative coupling of alcohols with amines in an air atmosphere using a mesoporous manganeseâ€“zirconium solid solution catalyst. Catalysis Science and Technology, 2021, 11, 810-822. | 2.1 | 26 |
| 7 | Influence of Calcination on Mesoporous Mn 1 Zr 0.5 O y Solid Solution in Oxidative Coupling Catalysis for Benzylideneaniline Formation. ChemistrySelect, 2021, 6, 234-238. | 0.7 | 4 |
| 8 | Tailoring the Reactive Oxygen Species in Mesoporous NiO for Selectivity-Controlled Aerobic Oxidation of 5-Hydroxymethylfurfural on a Loaded Pt Catalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 6056-6067. | 3.2 | 43 |
| 9 | Efficient hydrogenation of 5-hydroxymethylfurfural using a synergistically bimetallic Ruâ€“Ir/C catalyst. Chemical Communications, 2021, 57, 1742-1745. | 2.2 | 31 |
| 10 | Efficient activation of H2 on copper species immobilized by MCM-41 for selective hydrogenation of furfural at ambient pressure. Molecular Catalysis, 2021, 515, 111921. | 1.0 | 5 |
| 11 | 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. Catalysis Today, 2020, 355, 252-262. | 2.2 | 71 |
| 12 | 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 Ruâ€“Co Composites. Industrial & Engineering Chemistry Research, 2020, 59, 17200-17209. | 1.8 | 31 |
| 13 | Effective Control of Particle Size and Electron Density of Pd/C and Sn-Pd/C Nanocatalysts for Vanillin Production via Base-Free Oxidation. ACS Catalysis, 2020, 10, 7699-7709. | 5.5 | 52 |
| 14 | Insight into the Property Modification of Zrâ€Incorporated Alumina Binary Mixed Oxides by XRD, TEM, XPS, TPD and IR. ChemistrySelect, 2020, 5, 7928-7933. | 0.7 | 9 |
| 15 | Hydrogenation of levulinic acid to Î³-valerolactone over bifunctional Ru/(AlO)(ZrO) catalyst: Effective control of Lewis acidity and surface synergy. Molecular Catalysis, 2020, 493, 111097. | 1.0 | 24 |
| 16 | Influence of Support Properties and Particle Size on the Goldâ€Catalyzed Baseâ€Free Aerobic Oxidation of 5â€Hydroxymethylfurfural. ChemistrySelect, 2020, 5, 1416-1423. | 0.7 | 20 |
| 17 | A magnetic CoRuâ€“CoO<sub>X</sub> nanocomposite efficiently hydrogenates furfural to furfuryl alcohol at ambient H<sub>2</sub> pressure in water. Chemical Communications, 2020, 56, 3765-3768. | 2.2 | 35 |
| 18 | Efficient imine synthesis from oxidative coupling of alcohols and amines under air atmosphere catalysed by Zn-doped Al2O3 supported Au nanoparticles. Journal of Catalysis, 2019, 377, 110-121. | 3.1 | 54 |

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|---|---|---|---|
| 19 | AuCu/CeO2 bimetallic catalysts for the selective oxidation of fatty alcohol ethoxylates to alkyl ether carboxylic acids. Journal of Catalysis, 2019, 380, 132-144. | 3.1 | 6 |
| 20 | One-pot synthesis of Pd-promoted Ceâ€“Ni mixed oxides as efficient catalysts for imine production from the direct N-alkylation of amine with alcohol. Catalysis Science and Technology, 2019, 9, 286-301. | 2.1 | 57 |
| 21 | 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. Molecular Catalysis, 2018, 450, 55-64. | 1.0 | 67 |
| 22 | 5-Hydroxymethylfurfural production from dehydration of fructose catalyzed by Aquivion@silica solid acid. Fuel, 2018, 214, 45-54. | 3.4 | 65 |
| 23 | Ru/Mn Ce1O catalysts with enhanced oxygen mobility and strong metal-support interaction: Exceptional performances in 5-hydroxymethylfurfural base-free aerobic oxidation. Journal of Catalysis, 2018, 368, 53-68. | 3.1 | 121 |
| 24 | Etherification of 5-Hydroxymethylfurfural to Biofuel Additive Catalyzed by AquivionÂ® PFSA Modified Mesoporous Silica. European Journal of Inorganic Chemistry, 2018, 2018, 3691-3691. | 1.0 | 0 |
| 25 | Etherification of 5â€Hydroxymethylfurfural to Biofuel Additive Catalyzed by AquivionÂ® PFSA Modified Mesoporous Silica. European Journal of Inorganic Chemistry, 2018, 2018, 3706-3716. | 1.0 | 29 |
| 26 | Steam reforming and oxidative steam reforming for hydrogen production from bioethanol over Mg2AlNiXHZOY nano-oxyhydride catalysts. International Journal of Hydrogen Energy, 2018, 43, 17643-17655. | 3.8 | 34 |
| 27 | Base-free aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid in water by hydrotalcite-activated carbon composite supported gold catalyst. Molecular Catalysis, 2017, 439, 171-179. | 1.0 | 64 |
| 28 | Advanced functionalized Mg 2 AlNi X H Z O Y nano-oxyhydrides ex-hydrotalcites for hydrogen production from oxidative steam reforming of ethanol. International Journal of Hydrogen Energy, 2016, 41, 15443-15452. | 3.8 | 34 |
| 29 | Steam reforming, partial oxidation and oxidative steam reforming for hydrogen production from ethanol over cerium nickel based oxyhydride catalyst. Applied Catalysis A: General, 2016, 518, 78-86. | 2.2 | 55 |
| 30 | AquivionÂ®â€“carbon composites via hydrothermal carbonization: amphiphilic catalysts for solvent-free biphasic acetalization. Journal of Materials Chemistry A, 2016, 4, 4380-4385. | 5.2 | 32 |
| 31 | Silica-immobilized Aquivion PFSA superacid: application to heterogeneous direct etherification of glycerol with n-butanol. Catalysis Science and Technology, 2015, 5, 3980-3990. | 2.1 | 45 |
| 32 | Highly loaded well dispersed stable Ni species in NiXMg2AlOY nanocomposites: Application to hydrogen production from bioethanol. Applied Catalysis B: Environmental, 2015, 166-167, 485-496. | 10.8 | 29 |
| 33 | A Comparative Study of Size Effects in the Auâ€Catalyzed Oxidative and Nonâ€Oxidative Dehydrogenation of Benzyl Alcohol. Chemistry - an Asian Journal, 2014, 9, 2187-2196. | 1.7 | 41 |
| 34 | Hydrogen production from bioethanol catalyzed by NiXMg2AlOY ex-hydrotalcite catalysts. Applied Catalysis B: Environmental, 2014, 152-153, 370-382. | 10.8 | 46 |
| 35 | Room Temperature Hydrogen Production from Ethanol over CeNi<sub>X</sub>H<sub>Z</sub>O<sub>Y</sub> Nanoâ€Oxyhydride Catalysts. ChemCatChem, 2013, 5, 2207-2216. | 1.8 | 46 |
| 36 | Ceâ€“Ni mixed oxide as efficient catalyst for H2 production and nanofibrous carbon material from ethanol in the presence of water. RSC Advances, 2012, 2, 9626. | 1.7 | 36 |

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| 37 | Hydrotalciteâ€Supported Gold Catalyst for the Oxidantâ€Free Dehydrogenation of Benzyl Alcohol: Studies on Support and Gold Size Effects. Chemistry - A European Journal, 2011, 17, 1247-1256. | 1.7 | 235 |
| 38 | Gold nanoparticles on hydrotalcites as efficient catalysts for oxidant-free dehydrogenation of alcohols. Chemical Communications, 2010, 46, 1547. | 2.2 | 133 |
| 39 | Oxidant-Free Dehydrogenation of Alcohols over Hydrotalcite-Supported Palla-dium Catalysts. Chinese Journal of Catalysis, 2010, 31, 1061-1070. | 6.9 | 23 |
| 40 | Conversion of Cellulose into Sorbitol over Carbon Nanotube-Supported Ruthenium Catalyst. Catalysis Letters, 2009, 133, 167-174. | 1.4 | 290 |
| 41 | Sustainable synthesis of vanillin through base-free selective oxidation using synergistic AgPd nanoparticles loaded on ZrO2. Catalysis Science and Technology, 0, , . | 2.1 | 6 |
| 42 | 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 |