

Qian Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4858552/publications.pdf>

Version: 2024-02-01

18
papers

817
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1151
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ultrathin and Vacancy-Rich CoAl-Layered Double Hydroxide/Graphite Oxide Catalysts: Promotional Effect of Cobalt Vacancies and Oxygen Vacancies in Alcohol Oxidation. <i>ACS Catalysis</i> , 2018, 8, 3104-3115. | 11.2 | 149 |
| 2 | Hydrophilic mesoporous poly(ionic liquid)-supported Au-Pd alloy nanoparticles towards aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid under mild conditions. <i>Green Chemistry</i> , 2017, 19, 3820-3830. | 9.0 | 109 |
| 3 | Pd nanoparticles encapsulated into mesoporous ionic copolymer: Efficient and recyclable catalyst for the oxidation of benzyl alcohol with O ₂ balloon in water. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 242-251. | 20.2 | 97 |
| 4 | Construction of porous cationic frameworks by crosslinking polyhedral oligomeric silsesquioxane units with N-heterocyclic linkers. <i>Scientific Reports</i> , 2015, 5, 11236. | 3.3 | 64 |
| 5 | Nanobelt Cu_2O_6 with hydrophilic mesoporous poly(ionic liquid): a binary catalyst for synthesis of 2,5-diformylfuran from fructose. <i>Catalysis Science and Technology</i> , 2017, 7, 1006-1016. | 4.1 | 60 |
| 6 | Hybrid of Polyoxometalate-Based Ionic Salt and N-Doped Carbon toward Reductant-Free Aerobic Hydroxylation of Benzene to Phenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4986-4996. | 6.7 | 49 |
| 7 | Direct aerobic oxidative homocoupling of benzene to biphenyl over functional porous organic polymer supported atomically dispersed palladium catalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 679-688. | 20.2 | 47 |
| 8 | Boosted capture of volatile organic compounds in adsorption capacity and selectivity by rationally exploiting defect-engineering of UiO-66(Zr). <i>Separation and Purification Technology</i> , 2021, 266, 118087. | 7.9 | 41 |
| 9 | Ionic mesoporous polyamides enable highly dispersed ultrafine Ru nanoparticles: a synergistic stabilization effect and remarkable efficiency in levulinic acid conversion into γ -valerolactone. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19140-19151. | 10.3 | 37 |
| 10 | Amphiphilic Mesoporous Poly(Ionic Liquid) Immobilized Heteropolyanions Towards the Efficient Heterogeneous Epoxidation of Alkenes with Stoichiometric Hydrogen Peroxide. <i>ChemCatChem</i> , 2017, 9, 4426-4436. | 3.7 | 30 |
| 11 | Direct synthesis of 2,5-diformylfuran from carbohydrates via carbonizing polyoxometalate based mesoporous poly(ionic liquid). <i>Catalysis Today</i> , 2019, 319, 57-65. | 4.4 | 29 |
| 12 | Visible-Light-Responsive Nanofibrous Fe_2O_3 Integrated FeOx Cluster-Templated Siliceous Microsheets for Rapid Catalytic Phenol Removal and Enhanced Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19803-19815. | 8.0 | 28 |
| 13 | Engineering polyoxometalate anions on porous ionic network towards highly catalytic active noble metal clusters. <i>Applied Surface Science</i> , 2019, 496, 143650. | 6.1 | 20 |
| 14 | Hydrophobic poly(ionic liquid)s as "two-handed weapons": Maximizing lipase catalytic efficiency in transesterification of soybean oil toward biodiesel. <i>Applied Catalysis A: General</i> , 2021, 626, 118350. | 4.3 | 18 |
| 15 | Ionic-Liquid-Functionalized Polyoxometalates for Heterogeneously Catalyzing the Aerobic Oxidation of Benzene to Phenol: Raising Efficacy through Specific Design. <i>ChemPlusChem</i> , 2014, 79, 1590-1596. | 2.8 | 14 |
| 16 | Enabling Efficient Aerobic 5-Hydroxymethylfurfural Oxidation to 2,5-Furandicarboxylic Acid in Water by Interfacial Engineering Reinforced Cu-Mn Oxides Hollow Nanofiber. <i>ChemSusChem</i> , 2022, 15, . | 6.8 | 13 |
| 17 | Hierarchical laminated Al ₂ O ₃ in-situ integrated with high-dispersed Co ₃ O ₄ for improved toluene catalytic combustion. <i>Advanced Powder Technology</i> , 2022, 33, 103377. | 4.1 | 10 |
| 18 | Engineering ultrafine Pd clusters on laminar polyamide: A promising catalyst for benzyl alcohol oxidation under air in water. <i>Molecular Catalysis</i> , 2020, 497, 111203. | 2.0 | 2 |