

Yingwei Li

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188
papers

14,538
citations

69
h-index

116
g-index

205
ext. papers

16,971
ext. citations

9.5
avg, IF

7.23
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 188 | Development of MOF-Derived Carbon-Based Nanomaterials for Efficient Catalysis. <i>ACS Catalysis</i> , 2016 , 6, 5887-5903 | 13.1 | 810 |
| 187 | Ordered macro-microporous metal-organic framework single crystals. <i>Science</i> , 2018 , 359, 206-210 | 33.3 | 570 |
| 186 | Gas adsorption and storage in metal-organic framework MOF-177. <i>Langmuir</i> , 2007 , 23, 12937-44 | 4 | 450 |
| 185 | A highly active heterogeneous palladium catalyst for the Suzuki-Miyaura and Ullmann coupling reactions of aryl chlorides in aqueous media. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4054-8 | 16.4 | 449 |
| 184 | Hydrogen storage in metal-organic frameworks by bridged hydrogen spillover. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8136-7 | 16.4 | 430 |
| 183 | Significantly enhanced hydrogen storage in metal-organic frameworks via spillover. <i>Journal of the American Chemical Society</i> , 2006 , 128, 726-7 | 16.4 | 425 |
| 182 | Controllable design of tunable nanostructures inside metal-organic frameworks. <i>Chemical Society Reviews</i> , 2017 , 46, 4614-4630 | 58.5 | 380 |
| 181 | Transition Metal Nitride Coated with Atomic Layers of Pt as a Low-Cost, Highly Stable Electrocatalyst for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1575-83 | 16.4 | 279 |
| 180 | Metal-Organic Framework Supported Gold Nanoparticles as a Highly Active Heterogeneous Catalyst for Aerobic Oxidation of Alcohols. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13362-13369 | 3.8 | 266 |
| 179 | Multi-Level Architecture Optimization of MOF-Templated Co-Based Nanoparticles Embedded in Hollow N-Doped Carbon Polyhedra for Efficient OER and ORR. <i>ACS Catalysis</i> , 2018 , 8, 7879-7888 | 13.1 | 247 |
| 178 | Base-Free Oxidation of Alcohols to Esters at Room Temperature and Atmospheric Conditions using Nanoscale Co-Based Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 1850-1856 | 13.1 | 247 |
| 177 | Hydrogen storage in metal-organic and covalent-organic frameworks by spillover. <i>AIChE Journal</i> , 2008 , 54, 269-279 | 3.6 | 230 |
| 176 | Multifunctional catalysis by Pd@MIL-101: one-step synthesis of methyl isobutyl ketone over palladium nanoparticles deposited on a metal-organic framework. <i>Chemical Communications</i> , 2010 , 46, 2280-2 | 5.8 | 226 |
| 175 | Tuning the moisture stability of metal-organic frameworks by incorporating hydrophobic functional groups at different positions of ligands. <i>Chemical Communications</i> , 2011 , 47, 7377-9 | 5.8 | 202 |
| 174 | Nanoreactor of MOF-Derived Yolk-Shell : Precisely Controllable Structure and Enhanced Catalytic Activity. <i>ACS Catalysis</i> , 2018 , 8, 1417-1426 | 13.1 | 196 |
| 173 | Metal-Organic framework encapsulated Pd nanoparticles: towards advanced heterogeneous catalysis. <i>Chemical Science</i> , 2014 , 5, 3708-3714 | 9.4 | 190 |
| 172 | Selective Oxidation of Saturated Hydrocarbons Using Au-Pd Alloy Nanoparticles Supported on Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2013 , 3, 647-654 | 13.1 | 185 |

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|-----|---|------|-----|
| 171 | High-performance PdAu bimetallic catalyst with mesoporous silica nanoparticles as support and its catalysis of cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , 2012 , 291, 36-43 | 7.3 | 178 |
| 170 | MOFs-Templated [email-protected] CoreShell NPs Embedded in N-Doped Carbon Matrix with Superior Hydrogenation Activities. <i>ACS Catalysis</i> , 2015 , 5, 5264-5271 | 13.1 | 169 |
| 169 | A novel MOF/graphene oxide composite GrO@MIL-101 with high adsorption capacity for acetone. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4722-4730 | 13 | 165 |
| 168 | Synthesis and adsorption performance of MIL-101(Cr)/graphite oxide composites with high capacities of n-hexane. <i>Chemical Engineering Journal</i> , 2014 , 239, 226-232 | 14.7 | 163 |
| 167 | Efficient and selective aerobic oxidation of alcohols catalysed by MOF-derived Co catalysts. <i>Green Chemistry</i> , 2016 , 18, 1061-1069 | 10 | 156 |
| 166 | Hydrogen storage in low silica type X zeolites. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17175-81 | 3.4 | 153 |
| 165 | Functional metalorganic frameworks for catalytic applications. <i>Coordination Chemistry Reviews</i> , 2019 , 388, 268-292 | 23.2 | 151 |
| 164 | Controllable Encapsulation of "Clean" Metal Clusters within MOFs through Kinetic Modulation: Towards Advanced Heterogeneous Nanocatalysts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5019-23 | 16.4 | 150 |
| 163 | Enhanced stability and CO ₂ affinity of a UiO-66 type metal-organic framework decorated with dimethyl groups. <i>Dalton Transactions</i> , 2012 , 41, 9283-5 | 4.3 | 149 |
| 162 | Hydrogen Storage on Platinum Nanoparticles Doped on Superactivated Carbon. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11086-11094 | 3.8 | 148 |
| 161 | Palladium supported on an acidic metalorganic framework as an efficient catalyst in selective aerobic oxidation of alcohols. <i>Green Chemistry</i> , 2013 , 15, 230-235 | 10 | 136 |
| 160 | Efficient and selective hydrogenation of biomass-derived furfural to cyclopentanone using Ru catalysts. <i>Green Chemistry</i> , 2015 , 17, 4183-4188 | 10 | 133 |
| 159 | Hollow ZnCdS dodecahedral cages for highly efficient visible-light-driven hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24116-24125 | 13 | 132 |
| 158 | Mechanochemical synthesis of Cu-BTC@GO with enhanced water stability and toluene adsorption capacity. <i>Chemical Engineering Journal</i> , 2016 , 298, 191-197 | 14.7 | 132 |
| 157 | Selective aerobic oxidation of biomass-derived HMF to 2,5-diformylfuran using a MOF-derived magnetic hollow FeCo nanocatalyst. <i>Green Chemistry</i> , 2016 , 18, 3152-3157 | 10 | 126 |
| 156 | Bifunctional N-Doped [email-protected] Catalysts for Base-Free Transfer Hydrogenations of Nitriles: Controllable Selectivity to Primary Amines vs Imines. <i>ACS Catalysis</i> , 2017 , 7, 275-284 | 13.1 | 119 |
| 155 | In situ 2,5-pyrazinedicarboxylate and oxalate ligands synthesis leading to a microporous europiumorganic framework capable of selective sensing of small molecules. <i>CrystEngComm</i> , 2010 , 12, 4372 | 3.3 | 117 |
| 154 | Metal-organic framework as a host for synthesis of nanoscale Co ₃ O ₄ as an active catalyst for CO oxidation. <i>Catalysis Communications</i> , 2011 , 12, 875-879 | 3.2 | 112 |

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|-----|--|------|-----|
| 153 | Hollow-ZIF-templated formation of a ZnO@CNiCo core-shell nanostructure for highly efficient pollutant photodegradation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9937-9945 | 13 | 111 |
| 152 | A molecular Pd(II) complex incorporated into a MOF as a highly active single-site heterogeneous catalyst for C–Cl bond activation. <i>Green Chemistry</i> , 2014 , 16, 3978 | 10 | 107 |
| 151 | Metal-Organic Frameworks as a Good Platform for the Fabrication of Single-Atom Catalysts. <i>ACS Catalysis</i> , 2020 , 10, 6579-6586 | 13.1 | 104 |
| 150 | Seed-mediated growth of MOF-encapsulated Pd@Ag core-shell nanoparticles: toward advanced room temperature nanocatalysts. <i>Chemical Science</i> , 2016 , 7, 228-233 | 9.4 | 102 |
| 149 | MOF-Derived Isolated Fe Atoms Implanted in N-Doped 3D Hierarchical Carbon as an Efficient ORR Electrocatalyst in Both Alkaline and Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25976-25985 | 9.5 | 102 |
| 148 | A Tuneable Bifunctional Water-Compatible Heterogeneous Catalyst for the Selective Aqueous Hydrogenation of Phenols. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3107-3113 | 5.6 | 101 |
| 147 | Multimetal-MOF-derived transition metal alloy NPs embedded in an N-doped carbon matrix: highly active catalysts for hydrogenation reactions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10254-10262 | 13 | 98 |
| 146 | Ethane selective adsorbent Ni(bdc)(ted) _{0.5} with high uptake and its significance in adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2016 , 148, 275-281 | 4.4 | 98 |
| 145 | Uniform nitrogen and sulfur co-doped carbon nanospheres as catalysts for the oxygen reduction reaction. <i>Carbon</i> , 2014 , 69, 294-301 | 10.4 | 98 |
| 144 | Greening the Processes of Metal-Organic Framework Synthesis and their Use in Sustainable Catalysis. <i>ChemSusChem</i> , 2017 , 10, 3165-3187 | 8.3 | 97 |
| 143 | NH ₄ I-mediated three-component coupling reaction: metal-free synthesis of <i>tert</i> -alkoxy methyl sulfides from DMSO, alcohols, and styrenes. <i>Organic Letters</i> , 2015 , 17, 1038-41 | 6.2 | 97 |
| 142 | Ammonium iodide-induced sulfonylation of alkenes with DMSO and water toward the synthesis of vinyl methyl sulfones. <i>Chemical Communications</i> , 2015 , 51, 210-2 | 5.8 | 96 |
| 141 | A Highly Active Heterogeneous Palladium Catalyst for the Suzuki–Miyaura and Ullmann Coupling Reactions of Aryl Chlorides in Aqueous Media. <i>Angewandte Chemie</i> , 2010 , 122, 4148-4152 | 3.6 | 94 |
| 140 | Kinetics and Mechanistic Model for Hydrogen Spillover on Bridged Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3405-3411 | 3.8 | 94 |
| 139 | Metal organic frameworks for biomass conversion. <i>Chemical Society Reviews</i> , 2020 , 49, 3638-3687 | 58.5 | 91 |
| 138 | Adsorption isotherms and kinetics of water vapor on novel adsorbents MIL-101(Cr)@GO with super-high capacity. <i>Applied Thermal Engineering</i> , 2015 , 84, 118-125 | 5.8 | 90 |
| 137 | Transition-metal-free highly chemo- and regioselective arylation of unactivated arenes with aryl halides over recyclable heterogeneous catalysts. <i>Chemical Communications</i> , 2012 , 48, 2033-5 | 5.8 | 90 |
| 136 | Immobilization of Pd(II) on MOFs as a highly active heterogeneous catalyst for Suzuki–Miyaura and Ullmann-type coupling reactions. <i>Catalysis Today</i> , 2015 , 245, 122-128 | 5.3 | 89 |

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|-----|---|------|----|
| 135 | Significant promoting effects of Lewis acidity on Au-Pd systems in the selective oxidation of aromatic hydrocarbons. <i>Chemical Communications</i> , 2012 , 48, 8431-3 | 5.8 | 89 |
| 134 | Easy Access to Amides through Aldehydic C=O Bond Functionalization Catalyzed by Heterogeneous Co-Based Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 884-891 | 13.1 | 87 |
| 133 | In situ growth of cobalt sulfide hollow nanospheres embedded in nitrogen and sulfur co-doped graphene nanoholes as a highly active electrocatalyst for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12354-12360 | 13 | 84 |
| 132 | Transfer hydrogenation of unsaturated bonds in the absence of base additives catalyzed by a cobalt-based heterogeneous catalyst. <i>Chemical Communications</i> , 2015 , 51, 2331-4 | 5.8 | 82 |
| 131 | Encapsulation of a Metal-Organic Polyhedral in the Pores of a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1138-41 | 16.4 | 82 |
| 130 | Limitations and Improvement Strategies for Early-Transition-Metal Nitrides as Competitive Catalysts toward the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2016 , 6, 6165-6174 | 13.1 | 81 |
| 129 | A covalent organic framework-based route to the encapsulation of metal nanoparticles in N-rich hollow carbon spheres. <i>Chemical Science</i> , 2016 , 7, 6015-6020 | 9.4 | 80 |
| 128 | Amorphous TiO@NH-MIL-125(Ti) homologous MOF-encapsulated heterostructures with enhanced photocatalytic activity. <i>Chemical Communications</i> , 2018 , 54, 1917-1920 | 5.8 | 74 |
| 127 | Multishell Hollow Metal/Nitrogen/Carbon Dodecahedrons with Precisely Controlled Architectures and Synergistically Enhanced Catalytic Properties. <i>ACS Nano</i> , 2019 , 13, 7800-7810 | 16.7 | 74 |
| 126 | Encapsulation of Mono- or Bimetal Nanoparticles Inside Metal-Organic Frameworks via In situ Incorporation of Metal Precursors. <i>Small</i> , 2015 , 11, 2642-8 | 11 | 73 |
| 125 | One-pot synthesis of Pd@MOF composites without the addition of stabilizing agents. <i>Chemical Communications</i> , 2014 , 50, 14752-5 | 5.8 | 72 |
| 124 | Effect of calcium salts on isosynthesis over ZrO ₂ catalysts. <i>Journal of Molecular Catalysis A</i> , 2001 , 175, 267-275 | | 72 |
| 123 | Rational design of hollow N/Co-doped carbon spheres from bimetal-ZIFs for high-efficiency electrocatalysis. <i>Chemical Engineering Journal</i> , 2017 , 330, 736-745 | 14.7 | 71 |
| 122 | A microporous, moisture-stable, and amine-functionalized metal-organic framework for highly selective separation of CO ₂ from CH ₄ . <i>Chemical Communications</i> , 2012 , 48, 1135-7 | 5.8 | 70 |
| 121 | Effects of redox properties and acid-base properties on isosynthesis over ZrO ₂ -based catalysts. <i>Journal of Catalysis</i> , 2004 , 221, 584-593 | 7.3 | 69 |
| 120 | Fabricating sandwich-shelled ZnCdS/ZnO/ZnCdS dodecahedral cages with one-step Z-scheme photocatalysts for highly efficient hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19631-19642 | 13.6 | 69 |
| 119 | Asphalt-derived high surface area activated porous carbons for the effective adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2017 , 162, 192-202 | 4.4 | 68 |
| 118 | Efficient one-pot fructose to DFF conversion using sulfonated magnetically separable MOF-derived Fe ₃ O ₄ (111) catalysts. <i>Green Chemistry</i> , 2017 , 19, 647-655 | 10 | 68 |

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| 117 | Chemoselective hydrogenation of functionalized nitroarenes using MOF-derived co-based catalysts. <i>Journal of Molecular Catalysis A</i> , 2016 , 420, 56-65 | | 67 |
| 116 | In situ one-step synthesis of metal-organic framework encapsulated naked Pt nanoparticles without additional reductants. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8028-8033 | 13 | 66 |
| 115 | Electrochemical behavior of metal-organic framework MIL-101 modified carbon paste electrode: An excellent candidate for electroanalysis. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 709, 65-69 | 4.1 | 66 |
| 114 | One-step encapsulation of Pd nanoparticles in MOFs via a temperature control program. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15259-15264 | 13 | 65 |
| 113 | Uncoordinated carbonyl groups of MOFs as anchoring sites for the preparation of highly active Pd nano-catalysts. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10834 | | 63 |
| 112 | Nanoporous carbons derived from MOFs as metal-free catalysts for selective aerobic oxidations. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5247-5257 | 13 | 62 |
| 111 | Transition metal-based metal-organic frameworks for oxygen evolution reaction. <i>Coordination Chemistry Reviews</i> , 2020 , 424, 213488 | 23.2 | 62 |
| 110 | Controlled growth of dense and ordered metal-organic framework nanoparticles on graphene oxide. <i>Chemical Communications</i> , 2015 , 51, 3874-7 | 5.8 | 61 |
| 109 | Highly selective hydrogenation of phenol to cyclohexanol over MOF-derived non-noble Co-Ni@NC catalysts. <i>Chemical Engineering Science</i> , 2017 , 166, 66-76 | 4.4 | 59 |
| 108 | Ruthenium nanoparticles mounted on multielement co-doped graphene: an ultra-high-efficiency cathode catalyst for LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11224-11231 | 13 | 57 |
| 107 | Nanocomposites of Platinum/Metal-Organic Frameworks Coated with Metal-Organic Frameworks with Remarkably Enhanced Chemoselectivity for Cinnamaldehyde Hydrogenation. <i>ChemCatChem</i> , 2016 , 8, 946-951 | 5.2 | 57 |
| 106 | Nanoscale Co-based catalysts for low-temperature CO oxidation. <i>Catalysis Science and Technology</i> , 2015 , 5, 1014-1020 | 5.5 | 56 |
| 105 | Hydrogen Storage on Carbon Doped with Platinum Nanoparticles Using Plasma Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 8277-8281 | 3.9 | 56 |
| 104 | From alkyl aromatics to aromatic esters: efficient and selective C-H activation promoted by a bimetallic heterogeneous catalyst. <i>ChemSusChem</i> , 2012 , 5, 1892-6 | 8.3 | 53 |
| 103 | Solventless oxidative coupling of amines to imines by using transition-metal-free metal-organic frameworks. <i>ChemSusChem</i> , 2014 , 7, 1684-8 | 8.3 | 52 |
| 102 | Formation of willow leaf-like structures composed of NH ₂ -MIL68(In) on a multifunctional multiwalled carbon nanotube backbone for enhanced photocatalytic reduction of Cr(VI). <i>Nano Research</i> , 2017 , 10, 3543-3556 | 10 | 51 |
| 101 | Encapsulation of ultrafine metal-oxide nanoparticles within mesopores for biomass-derived catalytic applications. <i>Chemical Science</i> , 2018 , 9, 1854-1859 | 9.4 | 49 |
| 100 | Conversion of polystyrene foam to a high-performance doped carbon catalyst with ultrahigh surface area and hierarchical porous structures for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12240-12246 | 13 | 48 |

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|----|---|------|----|
| 99 | Highly dispersed Pt in MIL-101: An efficient catalyst for the hydrogenation of nitroarenes. <i>Catalysis Communications</i> , 2013 , 41, 56-59 | 3.2 | 48 |
| 98 | "Click" post-functionalization of a metal-organic framework for engineering active single-site heterogeneous Ru(III) catalysts. <i>Chemical Communications</i> , 2015 , 51, 9884-7 | 5.8 | 47 |
| 97 | Ordered Macroporous Carbonous Frameworks Implanted with CdS Quantum Dots for Efficient Photocatalytic CO Reduction. <i>Advanced Materials</i> , 2021 , 33, e2102690 | 24 | 47 |
| 96 | Solventless hydrogenation of benzene to cyclohexane over a heterogeneous RuPt bimetallic catalyst. <i>Chemical Engineering Science</i> , 2015 , 122, 350-359 | 4.4 | 45 |
| 95 | Inverse and highly selective separation of CO ₂ /C ₂ H ₂ on a thulium-organic framework. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11933-11937 | 13 | 44 |
| 94 | Metal-organic framework MIL-101 doped with palladium for toluene adsorption and hydrogen storage. <i>RSC Advances</i> , 2014 , 4, 2414-2420 | 3.7 | 43 |
| 93 | Ligand-free coupling of phenols and alcohols with aryl halides by a recyclable heterogeneous copper catalyst. <i>RSC Advances</i> , 2012 , 2, 5528 | 3.7 | 43 |
| 92 | Carbonylative Sonogashira coupling of terminal alkynes with aryl iodides under atmospheric pressure of CO using Pd(II)@MOF as the catalyst. <i>Catalysis Science and Technology</i> , 2014 , 4, 3261 | 5.5 | 40 |
| 91 | Chemoselective Hydrogenation of Cinnamaldehyde over a Pt-Lewis Acid Collaborative Catalyst under Ambient Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1487-1497 | 3.9 | 40 |
| 90 | Effects of oxygenates and moisture on adsorptive desulfurization of liquid fuels with Cu(I)Y zeolite. <i>Catalysis Today</i> , 2006 , 116, 512-518 | 5.3 | 39 |
| 89 | General Immobilization of Ultrafine Alloyed Nanoparticles within Metal-Organic Frameworks with High Loadings for Advanced Synergetic Catalysis. <i>ACS Central Science</i> , 2019 , 5, 176-185 | 16.8 | 39 |
| 88 | Controllable Encapsulation of "Clean" Metal Clusters within MOFs through Kinetic Modulation: Towards Advanced Heterogeneous Nanocatalysts. <i>Angewandte Chemie</i> , 2016 , 128, 5103-5107 | 3.6 | 38 |
| 87 | Novel ZnCdS Quantum Dots Engineering for Enhanced Visible-Light-Driven Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13805-13814 | 8.3 | 38 |
| 86 | Ultrafast room temperature synthesis of novel composites Imi@Cu-BTC with improved stability against moisture. <i>Chemical Engineering Journal</i> , 2017 , 307, 537-543 | 14.7 | 38 |
| 85 | Insights into the activity, selectivity and stability of heterogeneous catalysts in the continuous flow hydroconversion of furfural. <i>Catalysis Science and Technology</i> , 2016 , 6, 4705-4711 | 5.5 | 37 |
| 84 | Efficient conversion of CO ₂ with olefins into cyclic carbonates via a synergistic action of I ₂ and base electrochemically generated in situ. <i>Electrochemistry Communications</i> , 2013 , 34, 242-245 | 5.1 | 36 |
| 83 | Iron oxide functionalised MIL-101 materials in aqueous phase selective oxidations. <i>Applied Catalysis A: General</i> , 2013 , 455, 261-266 | 5.1 | 35 |
| 82 | Solvent-Driven Selectivity Control to Either Anilines or Dicyclohexylamines in Hydrogenation of Nitroarenes over a Bifunctional Pd/MIL-101 Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 10641-10648 | 13.1 | 35 |

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|----|--|------|----|
| 81 | Few-layered 1T-MoS ₂ -modified ZnCoS solid-solution hollow dodecahedra for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8472-8484 | 13 | 34 |
| 80 | Phase-controllable synthesis of MOF-templated maghemite/carbonaceous composites for efficient photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3571-3582 | 13 | 34 |
| 79 | A novel mechanochemical method for reconstructing the moisture-degraded HKUST-1. <i>Chemical Communications</i> , 2015 , 51, 10835-8 | 5.8 | 34 |
| 78 | Encapsulation of metal nanostructures into metal-organic frameworks. <i>Dalton Transactions</i> , 2018 , 47, 3663-3668 | 4.3 | 33 |
| 77 | Metal-organic-framework-based catalysts for hydrogenation reactions. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1108-1126 | 11.3 | 33 |
| 76 | Controlled Growth of Monodisperse Ferrite Octahedral Nanocrystals for Biomass-Derived Catalytic Applications. <i>ACS Catalysis</i> , 2017 , 7, 2948-2955 | 13.1 | 32 |
| 75 | Efficient and selective green oxidation of alcohols by MOF-derived magnetic nanoparticles as a recoverable catalyst. <i>RSC Advances</i> , 2016 , 6, 26921-26928 | 3.7 | 32 |
| 74 | A Co-doped porous niobium nitride nanogrid as an effective oxygen reduction catalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14278-14285 | 13 | 31 |
| 73 | Effect of Textural Properties on the Adsorption and Desorption of Toluene on the Metal-Organic Frameworks HKUST-1 and MIL-101. <i>Adsorption Science and Technology</i> , 2013 , 31, 325-339 | 3.6 | 31 |
| 72 | A novel carbonized polydopamine (C-PDA) adsorbent with high CO ₂ adsorption capacity and water vapor resistance. <i>AIChE Journal</i> , 2016 , 62, 3730-3738 | 3.6 | 31 |
| 71 | Catalytically active designer crown-jewel Pd-based nanostructures encapsulated in metal-organic frameworks. <i>Chemical Communications</i> , 2017 , 53, 1184-1187 | 5.8 | 29 |
| 70 | Effects of Metal Ions and Ligand Functionalization on Hydrogen Storage in Metal-Organic Frameworks by Spillover. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13829-13836 | 3.8 | 29 |
| 69 | Highly active and selective Co-based Fischer-Tropsch catalysts derived from metal-organic frameworks. <i>AIChE Journal</i> , 2017 , 63, 2935-2944 | 3.6 | 28 |
| 68 | One-step encapsulation of Pt-Co bimetallic nanoparticles within MOFs for advanced room temperature nanocatalysis. <i>Molecular Catalysis</i> , 2017 , 433, 77-83 | 3.3 | 26 |
| 67 | Activation of molecular oxygen by a metal-organic framework with open 2,2'-bipyridine for selective oxidation of saturated hydrocarbons. <i>Chemical Communications</i> , 2012 , 48, 12109-11 | 5.8 | 26 |
| 66 | Adsorption and Diffusion of Ethyl Acetate on the Chromium-Based Metal-Organic Framework MIL-101. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3419-3425 | 2.8 | 26 |
| 65 | A novel DOBDC-functionalized MIL-100(Fe) and its enhanced CO ₂ capacity and selectivity. <i>Chemical Engineering Journal</i> , 2017 , 321, 600-607 | 14.7 | 25 |
| 64 | Synthetic Factors Affecting the Scalable Production of Zeolitic Imidazolate Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3632-3646 | 8.3 | 25 |

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|----|--|------|----|
| 63 | Advanced 3D Hollow-Out Combined with Hierarchical Zeolite for Highly Active and Selective CO Hydrogenation to Aromatics. <i>ACS Catalysis</i> , 2020 , 10, 7177-7187 | 13.1 | 24 |
| 62 | Influence of acidic and basic properties of ZrO ₂ based catalysts on isosynthesis. <i>Fuel</i> , 2002 , 81, 1611-1617 | 17.1 | 24 |
| 61 | Ni@Pd core-shell nanoparticles supported on a metal-organic framework as highly efficient catalysts for nitroarenes reduction. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 91-97 | 11.3 | 23 |
| 60 | A KCl-assisted pyrolysis strategy to fabricate nitrogen-doped carbon nanotube hollow polyhedra for efficient bifunctional oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20310-20316 | 13 | 23 |
| 59 | Facile one-pot approach to the synthesis of spherical mesoporous silica nanoflowers with hierarchical pore structure. <i>Applied Surface Science</i> , 2014 , 314, 7-14 | 6.7 | 23 |
| 58 | Water-Alcohol-Soluble Hyperbranched Polyelectrolytes and Their Application in Polymer Solar Cells and Photocatalysis. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 12-18 | 4.3 | 23 |
| 57 | Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. <i>Catalysis Science and Technology</i> , 2017 , 7, 5143-5153 | 5.5 | 22 |
| 56 | Multienzyme-Mimic Ultrafine Alloyed Nanoparticles in Metal Organic Frameworks for Enhanced Chemodynamic Therapy. <i>Small</i> , 2021 , 17, e2005865 | 11 | 22 |
| 55 | Encapsulation of C-N-decorated metal sub-nanoclusters/single atoms into a metal-organic framework for highly efficient catalysis. <i>Chemical Science</i> , 2018 , 9, 8962-8968 | 9.4 | 22 |
| 54 | Dual-Metal Hetero-Single-Atoms with Different Coordination for Efficient Synergistic Catalysis. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16068-16077 | 16.4 | 22 |
| 53 | Ethane-selective carbon composites CPDA@A-ACs with high uptake and its enhanced ethane/ethylene adsorption selectivity. <i>AIChE Journal</i> , 2018 , 64, 3390-3399 | 3.6 | 21 |
| 52 | CoFex-CoFe ₂ O ₄ /N-doped carbon nanocomposite derived from in situ pyrolysis of a single source precursor as a superior bifunctional electrocatalyst for water splitting. <i>Electrochimica Acta</i> , 2018 , 262, 18-26 | 6.7 | 21 |
| 51 | Improved Ethanol Adsorption Capacity and Coefficient of Performance for Adsorption Chillers of Composite Prepared by Rapid Room Temperature Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11767-11774 | 3.9 | 21 |
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