

Yong-Mei Liu

List of Publications by Year in descending order

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53
papers

4,653
citations

101543

36
h-index

144013

57
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60
all docs

60
docs citations

60
times ranked

5644
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Efficient Subnanometric Gold-Catalyzed Hydrogen Generation via Formic Acid Decomposition under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 8926-8933. | 13.7 | 394 |
| 2 | Hydrogen-Independent Reductive Transformation of Carbohydrate Biomass into γ -Valerolactone and Pyrrolidone Derivatives with Supported Gold Catalysts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7815-7819. | 13.8 | 316 |
| 3 | Dehydrogenation of Formic Acid at Room Temperature: Boosting Palladium Nanoparticle Efficiency by Coupling with Pyridinic-Nitrogen-Doped Carbon. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11849-11853. | 13.8 | 284 |
| 4 | Morphology effects of nanoscale ceria on the activity of Au/CeO ₂ catalysts for low-temperature CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 224-232. | 20.2 | 266 |
| 5 | Graphite oxide as an efficient and durable metal-free catalyst for aerobic oxidative coupling of amines to imines. <i>Green Chemistry</i> , 2012, 14, 930. | 9.0 | 223 |
| 6 | Ga-Al Mixed-Oxide-Supported Gold Nanoparticles with Enhanced Activity for Aerobic Alcohol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 334-337. | 13.8 | 212 |
| 7 | Tunable copper-catalyzed chemoselective hydrogenolysis of biomass-derived γ -valerolactone into 1,4-pentanediol or 2-methyltetrahydrofuran. <i>Green Chemistry</i> , 2012, 14, 935. | 9.0 | 199 |
| 8 | Copper-based catalysts for the efficient conversion of carbohydrate biomass into γ -valerolactone in the absence of externally added hydrogen. <i>Energy and Environmental Science</i> , 2013, 6, 3308. | 30.8 | 167 |
| 9 | Supported Gold Catalysis: From Small Molecule Activation to Green Chemical Synthesis. <i>Accounts of Chemical Research</i> , 2014, 47, 793-804. | 15.6 | 167 |
| 10 | An Aqueous Rechargeable Formate-Based Hydrogen Battery Driven by Heterogeneous Pd Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13583-13587. | 13.8 | 148 |
| 11 | Dehydrogenation of propane over spinel-type gallia-alumina solid solution catalysts. <i>Journal of Catalysis</i> , 2008, 256, 293-300. | 6.2 | 127 |
| 12 | Towards quantitative and scalable transformation of furfural to cyclopentanone with supported gold catalysts. <i>Green Chemistry</i> , 2016, 18, 2155-2164. | 9.0 | 127 |
| 13 | MnO ₂ Nanorod Supported Gold Nanoparticles with Enhanced Activity for Solvent-free Aerobic Alcohol Oxidation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6981-6987. | 3.1 | 116 |
| 14 | Gold supported on mesostructured ceria as an efficient catalyst for the chemoselective hydrogenation of carbonyl compounds in neat water. <i>Green Chemistry</i> , 2011, 13, 602. | 9.0 | 97 |
| 15 | Gold-Catalyzed Reductive Transformation of Nitro Compounds Using Formic Acid: Mild, Efficient, and Versatile. <i>ChemSusChem</i> , 2015, 8, 3029-3035. | 6.8 | 94 |
| 16 | Highly Chemo- and Regioselective Transfer Reduction of Aromatic Nitro Compounds using Ammonium Formate Catalyzed by Supported Gold Nanoparticles. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 281-286. | 4.3 | 93 |
| 17 | Mild, selective and switchable transfer reduction of nitroarenes catalyzed by supported gold nanoparticles. <i>Catalysis Science and Technology</i> , 2013, 3, 3200. | 4.1 | 85 |
| 18 | Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO ₂ Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. <i>Journal of the American Chemical Society</i> , 2017, 139, 517-526. | 13.7 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Direct reductive amination of aldehydes with nitroarenes using bio-renewable formic acid as a hydrogen source. <i>Green Chemistry</i> , 2016, 18, 2507-2513. | 9.0 | 75 |
| 20 | Title is missing!. <i>Catalysis Letters</i> , 2003, 88, 61-67. | 2.6 | 74 |
| 21 | Heterogeneous Gold-Catalyzed Selective Reductive Transformation of Quinolines with Formic Acid. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 753-760. | 4.3 | 62 |
| 22 | Ring-Opening Transformation of 5-Hydroxymethylfurfural Using a Golden Single-Atomic-Site Palladium Catalyst. <i>ACS Catalysis</i> , 2019, 9, 6212-6222. | 11.2 | 60 |
| 23 | A General and Efficient Heterogeneous Gold-Catalyzed Hydration of Nitriles in Neat Water under Mild Atmospheric Conditions. <i>ChemSusChem</i> , 2012, 5, 1392-1396. | 6.8 | 59 |
| 24 | Gold supported on zirconia polymorphs for hydrogen generation from formic acid in base-free aqueous medium. <i>Journal of Power Sources</i> , 2016, 328, 463-471. | 7.8 | 56 |
| 25 | Versatile CO-assisted direct reductive amination of 5-hydroxymethylfurfural catalyzed by a supported gold catalyst. <i>Green Chemistry</i> , 2017, 19, 3880-3887. | 9.0 | 56 |
| 26 | Toward an Integrated Conversion of 5-Hydroxymethylfurfural and Ethylene for the Production of Renewable p-Xylene. <i>CheM</i> , 2018, 4, 2212-2227. | 11.7 | 56 |
| 27 | Direct one-pot reductive imination of nitroarenes using aldehydes and carbon monoxide by titania supported gold nanoparticles at room temperature. <i>Green Chemistry</i> , 2011, 13, 2672. | 9.0 | 53 |
| 28 | Propylene from Renewable Resources: Catalytic Conversion of Glycerol into Propylene. <i>ChemSusChem</i> , 2014, 7, 743-747. | 6.8 | 50 |
| 29 | Wettability-Driven Palladium Catalysis for Enhanced Dehydrogenative Coupling of Organosilanes. <i>ACS Catalysis</i> , 2017, 7, 1720-1727. | 11.2 | 46 |
| 30 | Mild and efficient CO-mediated eliminative deoxygenation of epoxides catalyzed by supported gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 812-814. | 4.1 | 45 |
| 31 | Dehydrogenation of Formic Acid at Room Temperature: Boosting Palladium Nanoparticle Efficiency by Coupling with Pyridinic-Nitrogen-Doped Carbon. <i>Angewandte Chemie</i> , 2016, 128, 12028-12032. | 2.0 | 42 |
| 32 | Deoxygenative coupling of nitroarenes for the synthesis of aromatic azo compounds with CO using supported gold catalysts. <i>Chemical Communications</i> , 2015, 51, 11217-11220. | 4.1 | 41 |
| 33 | Promoted hydrogen generation from formic acid with amines using Au/ZrO ₂ catalyst. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21193-21202. | 7.1 | 40 |
| 34 | Highly Selective Ce-Ni-O Catalysts for Efficient Low Temperature Oxidative Dehydrogenation of Propane. <i>Catalysis Letters</i> , 2009, 130, 350-354. | 2.6 | 36 |
| 35 | Chromium Supported on Mesocellular Silica Foam (MCF) for Oxidative Dehydrogenation of Propane. <i>Catalysis Letters</i> , 2006, 106, 145-152. | 2.6 | 34 |
| 36 | Mesostructured CeO ₂ as an Effective Catalyst for Styrene Synthesis by Oxidative Dehydrogenation of Ethylbenzene. <i>Catalysis Letters</i> , 2009, 133, 307-313. | 2.6 | 34 |

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|----|--|------|-----------|
| 37 | Enhanced Activity of Spinel-type Ga ₂ O ₃ –Al ₂ O ₃ Mixed Oxide for the Dehydrogenation of Propane in the Presence of CO ₂ . <i>Catalysis Letters</i> , 2008, 124, 369-375. | 2.6 | 33 |
| 38 | Direct Synthesis of Pyrroles via Heterogeneous Catalytic Condensation of Anilines with Bioderived Furans. <i>ACS Catalysis</i> , 2017, 7, 959-964. | 11.2 | 33 |
| 39 | Efficient and exceptionally selective semireduction of alkynes using a supported gold catalyst under a CO atmosphere. <i>Chemical Communications</i> , 2014, 50, 5626. | 4.1 | 32 |
| 40 | Efficient catalytic hydrogenolysis of glycerol using formic acid as hydrogen source. <i>Chinese Journal of Catalysis</i> , 2013, 34, 2066-2074. | 14.0 | 31 |
| 41 | Heterogeneous Gold–Catalyzed Selective Semireduction of Alkynes using Formic Acid as Hydrogen Source. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1410-1416. | 4.3 | 28 |
| 42 | Sucrose-templated mesoporous γ-Ga ₂ O ₃ as a novel efficient catalyst for dehydrogenation of propane in the presence of CO ₂ . <i>Catalysis Communications</i> , 2013, 30, 61-65. | 3.3 | 23 |
| 43 | Gold supported on titania for specific monohydrogenation of dinitroaromatics in the liquid phase. <i>Green Chemistry</i> , 2014, 16, 4162. | 9.0 | 23 |
| 44 | Aluminum Containing MCF Silica as Highly Efficient Solid Acid Catalyst for Alcohol Esterification. <i>Catalysis Letters</i> , 2008, 125, 62-68. | 2.6 | 22 |
| 45 | Total hydrogenation of bio-derived furans over supported Ru subnanoclusters prepared via amino acid-assisted deposition. <i>Green Chemistry</i> , 2020, 22, 850-859. | 9.0 | 15 |
| 46 | Highly selective supported gold catalyst for CO-driven reduction of furfural in aqueous media. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1669-1675. | 14.0 | 14 |
| 47 | Niobium grafted mesoporous silica for the production of biorenewable <i>p</i> -xylene from concentrated 2,5-dimethylfuran. <i>Green Chemistry</i> , 2022, 24, 4095-4107. | 9.0 | 11 |
| 48 | An efficient noble-metal-free supported copper catalyst for selective nitrocyclohexane hydrogenation to cyclohexanone oxime. <i>Chemical Communications</i> , 2017, 53, 2930-2933. | 4.1 | 10 |
| 49 | Highly Chemoselective Reduction of Nitroarenes Using a Titania–Supported Platinum Nanoparticle Catalyst under a CO Atmosphere. <i>Chinese Journal of Chemistry</i> , 2017, 35, 591-595. | 4.9 | 10 |
| 50 | Direct and Efficient Synthesis of Clean H ₂ O ₂ from CO-Assisted Aqueous O ₂ Reduction. <i>ACS Catalysis</i> , 2020, 10, 13993-14005. | 11.2 | 9 |
| 51 | Exploiting quasi-one-dimensional confinement for proficient hydrogen production from formic acid at room temperature. <i>Journal of Energy Chemistry</i> , 2020, 49, 205-213. | 12.9 | 9 |
| 52 | The Catalytic Use of Supported Gold Nanoparticles for Styrene Synthesis Via Oxidative Dehydrogenation of Ethylbenzene. <i>Catalysis Letters</i> , 2011, 141, 198-206. | 2.6 | 8 |
| 53 | Tandem catalytic methylation of naphthalene using CO ₂ and H ₂ . <i>Chemical Communications</i> , 2022, 58, 3779-3782. | 4.1 | 0 |