# Ying Li

## List of Publications by Year in descending order

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| | | 186209 | 214721 |
|---|---|---|---|
| 89 | 2,557 | 28 | 47 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 89 | 89 | 89 | 3052 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Direct Synthesis of Alâ˜SBA-15 Mesoporous Materials via Hydrolysis-Controlled Approach. Journal of Physical Chemistry B, 2004, 108, 9739-9744. | 1.2 | 236 |
| 2 | Direct synthesis of highly ordered Fe-SBA-15 mesoporous materials under weak acidic conditions. Microporous and Mesoporous Materials, 2005, 84, 41-49. | 2.2 | 181 |
| 3 | Hydrothermally Stable Thioether-Bridged Mesoporous Materials with Void Defects in the Pore Walls. Advanced Functional Materials, 2005, 15, 1297-1302. | 7.8 | 107 |
| 4 | Treatment of the potent greenhouse gas, CHF3â€”An overview. Journal of Fluorine Chemistry, 2012, 140, 7-16. | 0.9 | 79 |
| 5 | Enhanced Hydrogenation Performance over Hollow Structured Coâ€CoO‹i›x‹/i›@Nâ€C Capsules. Advanced Science, 2019, 6, 1900807. | 5.6 | 79 |
| 6 | Defect-rich activated carbons as active and stable metal-free catalyst for acetylene hydrochlorination. Carbon, 2019, 146, 406-412. | 5.4 | 78 |
| 7 | Dual-functional click-triazole: a metal chelator and immobilization linker for the construction of a heterogeneous palladium catalyst and its application for the aerobic oxidation of alcohols. Chemical Communications, 2012, 48, 2979. | 2.2 | 77 |
| 8 | Effect of Aluminum on the Nature of the Iron Species in Fe-SBA-15. Journal of Physical Chemistry B, 2006, 110, 26114-26121. | 1.2 | 69 |
| 9 | Pore size design of ordered mesoporous silicas by controlling micellar properties of triblock copolymer EO20PO70EO20. Microporous and Mesoporous Materials, 2006, 89, 179-185. | 2.2 | 69 |
| 10 | Enzyme confined in silica-based nanocages for biocatalysis in a Pickering emulsion. Chemical Communications, 2013, 49, 9558. | 2.2 | 66 |
| 11 | Synthesis of bifunctionalized mesoporous organosilica spheres for high-performance liquid chromatography. Journal of Chromatography A, 2006, 1103, 257-264. | 1.8 | 65 |
| 12 | Hydrothermal Stability and Catalytic Activity of Aluminum-Containing Mesoporous Ethaneâ˜Silicas. Journal of Physical Chemistry B, 2004, 108, 7934-7937. | 1.2 | 57 |
| 13 | Highly ordered periodic mesoporous ethanesilica synthesized under neutral conditions. Journal of Materials Chemistry, 2005, 15, 2562. | 6.7 | 53 |
| 14 | Wheat flour-derived N-doped mesoporous carbon extrudate as superior metal-free catalysts for acetylene hydrochlorination. Chemical Communications, 2018, 54, 623-626. | 2.2 | 50 |
| 15 | Effect of acidity and ruthenium species on catalytic performance of ruthenium catalysts for acetylene hydrochlorination. Catalysis Science and Technology, 2018, 8, 6143-6149. | 2.1 | 48 |
| 16 | Surface functionalization of SBA-15-ordered mesoporous silicas: Oxidation of benzene to phenol by nitrous oxide. Journal of Catalysis, 2008, 255, 190-196. | 3.1 | 46 |
| 17 | An efficient route for the preparation of activated carbon supported ruthenium catalysts with high performance for ammonia synthesis. Catalysis Today, 2011, 174, 97-105. | 2.2 | 44 |
| 18 | N-doped carbon spheres impregnated with highly monodispersed ruthenium nanoparticles as a hydrogenation catalyst. Chemical Engineering Journal, 2019, 374, 895-903. | 6.6 | 44 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Solid state synthesis of Ruâ€“MC with highly dispersed semi-embedded ruthenium nanoparticles in a porous carbon framework for benzoic acid hydrogenation. Catalysis Science and Technology, 2016, 6, 7259-7266. | 2.1 | 41 |
| 20 | Defective graphene@diamond hybrid nanocarbon material as an effective and stable metal-free catalyst for acetylene hydrochlorination. Chemical Communications, 2019, 55, 1430-1433. | 2.2 | 41 |
| 21 | Direct synthesis of nitrogen-doped mesoporous carbons for acetylene hydrochlorination. Chinese Journal of Catalysis, 2016, 37, 1242-1248. | 6.9 | 40 |
| 22 | Role of surface defects of carbon nanotubes on catalytic performance of barium promoted ruthenium catalyst for ammonia synthesis. Journal of Energy Chemistry, 2020, 41, 79-86. | 7.1 | 39 |
| 23 | Controlled synthesis of highly dispersed semi-embedded ruthenium nanoparticles in porous carbon framework with more exposed active sites. Catalysis Communications, 2012, 20, 29-35. | 1.6 | 38 |
| 24 | Direct synthesis of mesoporous nitrogen doped Ru-carbon catalysts with semi-embedded Ru nanoparticles for acetylene hydrochlorination. Microporous and Mesoporous Materials, 2018, 264, 248-253. | 2.2 | 38 |
| 25 | Synthesis and Characterization of Phosphonic Acid Functionalized Organosilicas with Bimodal Nanostructure. Chemistry of Materials, 2005, 17, 3019-3024. | 3.2 | 35 |
| 26 | Direct Synthesis of Rutheniumâ€Containing Ordered Mesoporous Carbon with Tunable Embedding Degrees by Using a Boric Acidâ€Assisted Approach. ChemCatChem, 2014, 6, 353-360. | 1.8 | 31 |
| 27 | Synthesis of mesoporous aluminosilicates with low Si/Al ratios using a single-source molecular precursor under acidic conditions. Journal of Porous Materials, 2006, 13, 187-193. | 1.3 | 29 |
| 28 | Iron-functionalized Al-SBA-15 for benzene hydroxylation. Chemical Communications, 2008, , 774-776. | 2.2 | 29 |
| 29 | Controlling Reaction Pathways for Alcohol Dehydration and Dehydrogenation over FeSBA-15 Catalysts. Catalysis Letters, 2007, 117, 18-24. | 1.4 | 28 |
| 30 | Quasi metal organic framework with highly concentrated Cr2O3 molecular clusters as the efficient catalyst for dehydrofluorination of 1,1,1,3,3-pentafluoropropane. Applied Catalysis B: Environmental, 2019, 257, 117939. | 10.8 | 28 |
| 31 | Enhancement of Î±-oxygen formation and N2O decomposition on Fe/ZSM-5 catalysts by extraframework Al. Chemical Communications, 2004, , 2480-2481. | 2.2 | 27 |
| 32 | Preparation and characterization of ordered mesoporous carbons on SBA-15 template. Journal of Materials Chemistry, 2006, 16, 1350. | 6.7 | 27 |
| 33 | Activation of a Carbon Support Through a Twoâ€Step Wet Oxidation and Highly Active Rutheniumâ€“Activated Carbon Catalysts for the Hydrogenation of Benzene. ChemCatChem, 2014, 6, 572-579. | 1.8 | 24 |
| 34 | The origin of the extraordinary stability of mercury catalysts on the carbon support: the synergy effects between oxygen groups and defects revealed from a combined experimental and DFT study. Chinese Journal of Catalysis, 2019, 40, 141-146. | 6.9 | 23 |
| 35 | Solution combustion synthesis of nano-chromia as catalyst for the dehydrofluorination of 1,1-difluoroethane. Journal of Materials Science, 2016, 51, 11002-11013. | 1.7 | 22 |
| 36 | Microwave assisted combustion of phytic acid for the preparation of Ni<sub>2</sub>P@C as a robust catalyst for hydrodechlorination. Chemical Communications, 2019, 55, 9279-9282. | 2.2 | 22 |

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|---|---|---|---|
| 37 | A highly stable and active mesoporous ruthenium catalyst for ammonia synthesis prepared by a RuCl3/SiO2-templated approach. Chinese Journal of Catalysis, 2019, 40, 114-123. | 6.9 | 22 |
| 38 | Effect of the graphitic degree of carbon supports on the catalytic performance of ammonia synthesis over Ba-Ru-K/HSGC catalyst. Journal of Energy Chemistry, 2014, 23, 443-452. | 7.1 | 21 |
| 39 | Promotion of Nb2O5 on the wustite-based iron catalyst for ammonia synthesis. Applied Surface Science, 2015, 353, 17-23. | 3.1 | 21 |
| 40 | Screening of active center and reactivity descriptor in acetylene hydrochlorination on metal-free doped carbon catalysts from first principle calculations. Applied Surface Science, 2019, 478, 574-580. | 3.1 | 21 |
| 41 | Reverting fluoroform back to chlorodifluoromethane and dichlorofluoromethane: Intermolecular Cl/F exchange with chloroform at moderate temperatures. Chemical Engineering Journal, 2019, 355, 594-601. | 6.6 | 19 |
| 42 | Generalized reactivity descriptor of defective carbon catalysts for acetylene hydrochlorination: the ratio of sp<sup>2</sup>â€‰:â€‰sp<sup>3</sup> hybridization. Chemical Communications, 2020, 56, 14877-14880. | 2.2 | 19 |
| 43 | Direct Hydrothermal Synthesis of Iron-Containing Mesoporous Silica SBA-15: Potential as a Support for Gold Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 21831-21839. | 1.5 | 18 |
| 44 | Solution Combustion Synthesis of Cr2O3 Nanoparticles and the Catalytic Performance for Dehydrofluorination of 1,1,1,3,3-Pentafluoropropane to 1,3,3,3-Tetrafluoropropene. Molecules, 2019, 24, 361. | 1.7 | 18 |
| 45 | Aluminium-containing mesoporous benzene-silicas with crystal-like pore wall structure. Journal of Materials Chemistry, 2005, 15, 4268. | 6.7 | 17 |
| 46 | Mesoporous aluminosilicates synthesized with single molecular precursor (sec-BuO)2AlOSi(OEt)3 as aluminum source. Microporous and Mesoporous Materials, 2006, 91, 85-91. | 2.2 | 17 |
| 47 | Simple synthesis of semi-graphitized ordered mesoporous carbons with tunable pore sizes. New Carbon Materials, 2011, 26, 123-129. | 2.9 | 17 |
| 48 | Geometric effect of Ru/HSAG@mSiO<sub>2</sub>: a catalyst for selective hydrogenation of cinnamaldehyde. RSC Advances, 2014, 4, 30180-30185. | 1.7 | 17 |
| 49 | Improved catalytic performance of encapsulated Ru nanowires for aqueous-phase Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2016, 6, 2181-2187. | 2.1 | 17 |
| 50 | Catalytic pyrolysis of CHF3 over activated carbon and activated carbon supported potassium catalyst. Journal of Fluorine Chemistry, 2010, 131, 698-703. | 0.9 | 16 |
| 51 | SiO2-template synthesis of mesoporous MgF2 highly effective for Cl/F exchange reaction. Journal of Fluorine Chemistry, 2013, 150, 46-52. | 0.9 | 16 |
| 52 | Preparation of N-doped ordered mesoporous carbon and catalytic performance for the pyrolysis of 1-chloro-1,1-difluoroethane to vinylidene fluoride. Microporous and Mesoporous Materials, 2019, 275, 200-206. | 2.2 | 16 |
| 53 | Highly stable Ru nanoparticles incorporated in mesoporous carbon catalysts for production of Î³-valerolactone. Catalysis Today, 2020, 351, 75-82. | 2.2 | 16 |
| 54 | Effects of Reaction Conditions on Performance of Ru Catalyst and Iron Catalyst for Ammonia Synthesis. Chinese Journal of Chemical Engineering, 2011, 19, 273-277. | 1.7 | 15 |

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|---|---|---|---|
| 55 | Wheat flour-derived N-doped mesoporous carbon extrudes as an efficient support for Au catalyst in acetylene hydrochlorination. Chinese Journal of Catalysis, 2018, 39, 1664-1671. | 6.9 | 15 |
| 56 | Single-Site Au/Carbon Catalysts with Single-Atom and Au Nanoparticles for Acetylene Hydrochlorination. ACS Applied Nano Materials, 2020, 3, 3004-3010. | 2.4 | 15 |
| 57 | Confinement of AlF3 in MOF derived structures for the formation of 4-fold coordinated Al and significantly improved dehydrofluorination activity. Chemical Engineering Journal, 2020, 394, 124946. | 6.6 | 15 |
| 58 | Effect of pore structure of mesoporous carbon on its supported Ru catalysts for ammonia synthesis. Chinese Journal of Catalysis, 2013, 34, 1395-1401. | 6.9 | 13 |
| 59 | Preparation of fluorinated Cr2O3 hexagonal prism and catalytic performance for the dehydrofluorination of 1,1-difluoroethane to vinyl fluoride. Journal of Nanoparticle Research, 2015, 17, 1. | 0.8 | 13 |
| 60 | Î³-Fe2O3 as the precursor of iron based catalyst prepared by solid-state reaction at room temperature for Fischer-Tropsch to olefins. Applied Catalysis A: General, 2019, 572, 158-167. | 2.2 | 13 |
| 61 | Catalytic activity of Ru supported on SmCeOx for ammonia decomposition: The effect of Sm doping. Journal of Solid State Chemistry, 2021, 295, 121946. | 1.4 | 13 |
| 62 | Dibenzodioxin Adsorption on Inorganic Materials. Langmuir, 2005, 21, 3877-3880. | 1.6 | 11 |
| 63 | Strong Interaction of Ruthenium Species with Graphite Structure for the Self-Dispersion of Ru under Solvent-Free Conditions. ACS Sustainable Chemistry and Engineering, 2017, 5, 7195-7202. | 3.2 | 10 |
| 64 | Effect of nitrogen co-doping with ruthenium on the catalytic performance of Ba/Ruâ€“N-MC catalysts for ammonia synthesis. RSC Advances, 2019, 9, 22045-22052. | 1.7 | 10 |
| 65 | Experimental and DFT Mechanistic Study of Dehydrohalogenation of 1-Chloro-1,1-difluoroethane over Metal Fluorides. Industrial & Engineering Chemistry Research, 2019, 58, 18149-18159. | 1.8 | 10 |
| 66 | Synergistic catalysis of carbon-partitioned LaF<sub>3</sub>â€“BaF<sub>2</sub> composites for the coupling of CH<sub>4</sub> with CHF<sub>3</sub> to VDF. Catalysis Science and Technology, 2019, 9, 1338-1348. | 2.1 | 10 |
| 67 | Yolkâ€“shell nanospheres with soluble amino-polystyrene as a reservoir for Pd NPs. RSC Advances, 2015, 5, 35730-35736. | 1.7 | 8 |
| 68 | PVDF mediated fabrication of freestanding AlF3 sub-microspheres: Facile and controllable synthesis of Î±, Î² and Î¸-AlF3. Materials Chemistry and Physics, 2020, 240, 122287. | 2.0 | 8 |
| 69 | Homogeneously dispersed gold nanoparticles stabilized on the walls of ordered mesoporous carbon via a simple and repeatable method with enhanced hydrogenation properties for nitro-group. Microporous and Mesoporous Materials, 2013, 173, 189-196. | 2.2 | 7 |
| 70 | Easy synthesis of iron doped ordered mesoporous carbon with tunable pore sizes. Journal of Natural Gas Chemistry, 2012, 21, 275-281. | 1.8 | 6 |
| 71 | Formation mechanism of highly dispersed semi-embedded ruthenium nanoparticles in porous carbon matrix determined by in situ temperature-programmed infrared spectroscopy. Chinese Journal of Catalysis, 2018, 39, 146-156. | 6.9 | 6 |
| 72 | Rational design of MgF<sub>2</sub> catalysts with long-term stability for the dehydrofluorination of 1,1-difluoroethane (HFC-152a). RSC Advances, 2019, 9, 23744-23751. | 1.7 | 6 |

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|---|---|---|---|
| 73 | Thermally conductive SiC as support of aluminum fluoride for the catalytic dehydrofluorination reaction. Catalysis Communications, 2020, 142, 106033. | 1.6 | 6 |
| 74 | Preparation of efficient ruthenium catalysts for ammonia synthesis via high surface area graphite dispersion. Reaction Kinetics, Mechanisms and Catalysis, 2014, 113, 361-374. | 0.8 | 5 |
| 75 | The reaction mechanism of acetylene hydrochlorination on defective carbon supported ruthenium catalysts identified by DFT calculations and experimental approaches. Inorganic Chemistry Frontiers, 2022, 9, 458-467. | 3.0 | 5 |
| 76 | Effect of Sulfuric Acid on Textural Properties and Catalytic Performance of Ruthenium-Containing Ordered Mesoporous Carbon Prepared via a Direct RuCl<SUB>3</SUB>/SBA-15 Hard Templated Method. Journal of Nanoscience and Nanotechnology, 2014, 14, 7131-7138. | 0.9 | 4 |
| 77 | Facile Preparation of BaClxFy for the Catalytic Dehydrochlorination of 1-Chloro-1,1-Difluoroethane to Vinylidene Fluoride. Catalysts, 2020, 10, 377. | 1.6 | 4 |
| 78 | One-step Synthesis of N-Doped Mesoporous Carbon as Highly Efficient Support of Pd Catalyst for Hydrodechlorination of 2,4-Dichlorophenol. Chemical Research in Chinese Universities, 2018, 34, 1004-1008. | 1.3 | 3 |
| 79 | Catalytic Performance of Bi-functional WC/HZSM-5 Catalysts for <I>n</I>-Hexane Aromatization. Chinese Journal of Catalysis, 2013, 33, 570-575. | 6.9 | 3 |
| 80 | The in situ redispersion of a PdCu/AC alloy catalyst under a CFCl2CF2Cl/H2 atmosphere: a combination of experimental and DFT study. Chemical Communications, 2020, 56, 12001-12004. | 2.2 | 2 |
| 81 | Pyrolysis of Trifluoromethane over Activated Carbon: Role of the Surface Oxygen Groups. Progress in Reaction Kinetics and Mechanism, 2014, 39, 38-52. | 1.1 | 1 |
| 82 | Preparation and characterization of chromium-doped magnesium fluoride catalysts via an aqueous solâ€“gel method. Journal of Sol-Gel Science and Technology, 2019, 92, 200-207. | 1.1 | 1 |
| 83 | One-Pot Cascade Catalysis of Dehydrochlorination of Greenhouse Gas HCFC-142b and Hydrochlorination of Acetylene for the Spontaneous Production of VDF and VCM. ACS ES&T Engineering, 2022, 2, 121-128. | 3.7 | 1 |
| 84 | Experimental Study on Degradation of 1Cr5Mo Steel Tubes in the Coking Furnace at Super Temperature. Key Engineering Materials, 2007, 345-346, 1067-1070. | 0.4 | 0 |
| 85 | Diffusion LMS algorithm in wireless sensor networks with multiplicative input noise. , 2017, , . | | 0 |
| 86 | Effect of Boron Nitride Support on Catalytic Activity of Ru-Ba/BN for Ammonia Synthesis. Chinese Journal of Catalysis, 2010, 31, 677-682. | 6.9 | 0 |
| 87 | Effect of Hydrothermal Treatment of Activated Carbon by Nitric Acid on Activ-ity of Ba-Ru-K/AC Catalyst for Ammonia Synthesis. Chinese Journal of Catalysis, 2013, 33, 1191-1197. | 6.9 | 0 |
| 88 | Effect of Cr-doping on the acidity and pore structure of mesoporous magnesium fluoride. Chinese Journal of Catalysis, 2014, 34, 373-378. | 6.9 | 0 |
| 89 | High-surface-area Magnesium Fluoride: Preparation by Template Method and Catalytic Activity for the Dehydrofluorination of HFC-152a. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2018, 33, 1186. | 0.6 | 0 |