# Li Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/800810/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 31<br>papers | 1,743<br>citations | 393982<br>19<br>h-index | 395343<br>33<br>g-index |
| 33<br>all docs | 33<br>docs citations | 33<br>times ranked | 2014<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Insight into the synthesis of alcohols and acids in plasma-driven conversion of CO2 and CH4 over copper-based catalysts. Applied Catalysis B: Environmental, 2022, 315, 121583. | 10.8 | 23 |
| 2 | Biogas reforming for hydrogen-rich syngas production over a Niâ€“K/Al2O3 catalyst using a temperature-controlled plasma reactor. International Journal of Hydrogen Energy, 2022, , . | 3.8 | 7 |
| 3 | Highly efficient electrochemical generation of H2O2 on N/O co-modified defective carbon. International Journal of Hydrogen Energy, 2021, 46, 14277-14287. | 3.8 | 27 |
| 4 | Selective oxidation of CH4 to CH3OH through plasma catalysis: Insights from catalyst characterization and chemical kinetics modelling. Applied Catalysis B: Environmental, 2021, 296, 120384. | 10.8 | 32 |
| 5 | Plasma-Catalytic Ammonia Reforming of Methane over Cu-Based Catalysts for the Production of HCN and H<sub>2</sub> at Reduced Temperature. ACS Catalysis, 2021, 11, 1765-1773. | 5.5 | 29 |
| 6 | Plasma-enhanced direct conversion of CO<sub>2</sub> to CO over oxygen-deficient Mo-doped CeO<sub>2</sub>. Chemical Communications, 2020, 56, 14801-14804. | 2.2 | 20 |
| 7 | Direct synthesis of hydrogen peroxide over Pd nanoparticles embedded between HZSM-5 nanosheets layers. Chinese Journal of Chemical Engineering, 2020, 28, 2577-2586. | 1.7 | 7 |
| 8 | Plasmaâ€assisted ammonia decomposition over Feâ€“Ni alloy catalysts for CO<sub>x</sub>â€Free hydrogen. AICHE Journal, 2019, 65, 691-701. | 1.8 | 49 |
| 9 | Hydrogenation of Carbon Dioxide to Value-Added Chemicals by Heterogeneous Catalysis and Plasma Catalysis. Catalysts, 2019, 9, 275. | 1.6 | 116 |
| 10 | Highly Dispersed Co Nanoparticles Prepared by an Improved Method for Plasma-Driven NH3 Decomposition to Produce H2. Catalysts, 2019, 9, 107. | 1.6 | 18 |
| 11 | Plasma-Catalytic Decomposition of Ammonia for Hydrogen Energy. Springer Series on Atomic, Optical, and Plasma Physics, 2019, , 181-230. | 0.1 | 1 |
| 12 | Plasma-Catalytic Conversion of Carbon Dioxide. Springer Series on Atomic, Optical, and Plasma Physics, 2019, , 271-307. | 0.1 | 1 |
| 13 | The promotion of Argon and water molecule on direct synthesis of H<sub>2</sub>O<sub>2</sub> from H<sub>2</sub> and O<sub>2</sub>. AICHE Journal, 2018, 64, 981-992. | 1.8 | 7 |
| 14 | Atmospheric Pressure and Room Temperature Synthesis of Methanol through Plasma-Catalytic Hydrogenation of CO<sub>2</sub>. ACS Catalysis, 2018, 8, 90-100. | 5.5 | 206 |
| 15 | Pt/TS-1 Catalyst Promoted Câ€“N Coupling Reaction in CH<sub>4</sub>â€“NH<sub>3</sub> Plasma for HCN Synthesis at Low Temperature. ACS Catalysis, 2018, 8, 10219-10224. | 5.5 | 22 |
| 16 | Synergy of DBD plasma and Feâ€based catalyst in NH<sub>3</sub> decomposition: Plasma enhancing adsorption step. Plasma Processes and Polymers, 2017, 14, 1600111. | 1.6 | 26 |
| 17 | Selectivity control of H2/O2 plasma reaction for direct synthesis of high purity H2O2 with desired concentration. Chemical Engineering Journal, 2017, 313, 37-46. | 6.6 | 11 |
| 18 | Oneâ€Step Reforming of CO<sub>2</sub> and CH<sub>4</sub> into Highâ€Value Liquid Chemicals and Fuels at Room Temperature by Plasmaâ€Driven Catalysis. Angewandte Chemie - International Edition, 2017, 56, 13679-13683. | 7.2 | 244 |

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|---|---|---|---|
| 19 | Oneâ€Step Reforming of CO<sub>2</sub> and CH<sub>4</sub> into Highâ€Value Liquid Chemicals and Fuels at Room Temperature by Plasmaâ€Driven Catalysis. Angewandte Chemie, 2017, 129, 13867-13871. | 1.6 | 27 |
| 20 | Steam reforming of toluene as biomass tar model compound in a gliding arc discharge reactor. Chemical Engineering Journal, 2017, 307, 793-802. | 6.6 | 179 |
| 21 | Plasma-Triggered CH<sub>4</sub>/NH<sub>3</sub> Coupling Reaction for Direct Synthesis of Liquid Nitrogen-Containing Organic Chemicals. ACS Omega, 2017, 2, 9199-9210. | 1.6 | 29 |
| 22 | A review on research progress in the direct synthesis of hydrogen peroxide from hydrogen and oxygen: noble-metal catalytic method, fuel-cell method and plasma method. Catalysis Science and Technology, 2016, 6, 1593-1610. | 2.1 | 219 |
| 23 | NH<sub>3</sub> Decomposition for H<sub>2</sub> Generation: Effects of Cheap Metals and Supports on Plasmaâ€“Catalyst Synergy. ACS Catalysis, 2015, 5, 4167-4174. | 5.5 | 103 |
| 24 | Enhancing the ammonia to hydrogen (ATH) energy efficiency of alternating current arc discharge. International Journal of Hydrogen Energy, 2014, 39, 7655-7663. | 3.8 | 13 |
| 25 | Safe Direct Synthesis of High Purity H<sub>2</sub>O<sub>2</sub> through a H<sub>2</sub>/O<sub>2</sub> Plasma Reaction. Angewandte Chemie - International Edition, 2013, 52, 8446-8449. | 7.2 | 44 |
| 26 | Decomposition of ammonia by atmospheric pressure AC discharge: Catalytic effect of the electrodes. Catalysis Today, 2013, 211, 72-77. | 2.2 | 12 |
| 27 | Plasma driven ammonia decomposition on a Fe-catalyst: eliminating surface nitrogen poisoning. Chemical Communications, 2013, 49, 3787. | 2.2 | 102 |
| 28 | Inâ€…Situ FTâ€IR Studies on Catalytic Nature of Iron Nitride: Identification of the N Active Site. ChemCatChem, 2012, 4, 624-627. | 1.8 | 16 |
| 29 | The Synthesis of Metal Phosphides: Reduction of Oxide Precursors in a Hydrogen Plasma. Angewandte Chemie - International Edition, 2008, 47, 6052-6054. | 7.2 | 94 |
| 30 | Preparation and properties of Pd/Ag composite membrane for direct synthesis of hydrogen peroxide from hydrogen and oxygen. Applied Catalysis B: Environmental, 2008, 79, 157-162. | 10.8 | 14 |
| 31 | Gasâ^'Liquidâ^'Liquid Three-Phase Reactive Extraction for the Hydrogen Peroxide Preparation by Anthraquinone Process. Industrial & Engineering Chemistry Research, 2008, 47, 7414-7418. | 1.8 | 34 |