# Wilm Jones

List of Publications by Year
in descending order



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|---|---|---|---|
| 23 papers | 1,491 citations | 471509 17 h-index | 642732 23 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 2466 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of single-site gold catalysis in acetylene hydrochlorination. Science, 2017, 355, 1399-1403. | 12.6 | 380 |
| 2 | Pd/ZnO catalysts for direct CO2 hydrogenation to methanol. Journal of Catalysis, 2016, 343, 133-146. | 6.2 | 359 |
| 3 | Tailoring the selectivity of glycerol oxidation by tuning the acidâ€“base properties of Au catalysts. Catalysis Science and Technology, 2015, 5, 1126-1132. | 4.1 | 78 |
| 4 | A comparison of photocatalytic reforming reactions of methanol and triethanolamine with Pd supported on titania and graphitic carbon nitride. Applied Catalysis B: Environmental, 2019, 240, 373-379. | 20.2 | 71 |
| 5 | Hydrogenation of CO<sub>2</sub> to Dimethyl Ether over BrÃ¸nsted Acidic PdZn Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 6821-6829. | 3.7 | 59 |
| 6 | Probing the Role of a Nonâ€Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie - International Edition, 2017, 56, 9351-9355. | 13.8 | 58 |
| 7 | The Nature of the Molybdenum Surface in Iron Molybdate. The Active Phase in Selective Methanol Oxidation. Journal of Physical Chemistry C, 2014, 118, 26155-26161. | 3.1 | 56 |
| 8 | Vacancy enriched ultrathin TiMgAl-layered double hydroxide/graphene oxides composites as highly efficient visible-light catalysts for CO2 reduction. Applied Catalysis B: Environmental, 2020, 270, 118878. | 20.2 | 53 |
| 9 | Adsorbate-Induced Structural Evolution of Pd Catalyst for Selective Hydrogenation of Acetylene. ACS Catalysis, 2020, 10, 15048-15059. | 11.2 | 50 |
| 10 | Identifying key mononuclear Fe species for low-temperature methane oxidation. Chemical Science, 2021, 12, 3152-3160. | 7.4 | 49 |
| 11 | Understanding structure-activity relationships in highly active La promoted Ni catalysts for CO2 methanation. Applied Catalysis B: Environmental, 2020, 278, 119256. | 20.2 | 46 |
| 12 | The Photocatalytic Window: Photo-Reforming of Organics and Water Splitting for Sustainable Hydrogen Production. Catalysis Letters, 2015, 145, 214-219. | 2.6 | 42 |
| 13 | Solvent Free Synthesis of PdZn/TiO2 Catalysts for the Hydrogenation of CO2 to Methanol. Topics in Catalysis, 2018, 61, 144-153. | 2.8 | 39 |
| 14 | Improving Photocatalytic Energy Conversion via NAD(P)H. Joule, 2020, 4, 2055-2059. | 24.0 | 25 |
| 15 | Rutile TiO2â€“Pd Photocatalysts for Hydrogen Gas Production from Methanol Reforming. Topics in Catalysis, 2015, 58, 70-76. | 2.8 | 22 |
| 16 | The role of surface oxidation and Feâ€“Ni synergy in Feâ€“Niâ€“S catalysts for CO<sub>2</sub> hydrogenation. Faraday Discussions, 2021, 230, 30-51. | 3.2 | 21 |
| 17 | Elucidating the Significance of Copper and Nitrate Speciation in Cu-SSZ-13 for N<sub>2</sub>O Formation during NH<sub>3</sub>-SCR. ACS Catalysis, 2021, 11, 13091-13101. | 11.2 | 21 |
| 18 | Optimised photocatalytic hydrogen production using coreâ€“shell AuPd promoters with controlled shell thickness. Physical Chemistry Chemical Physics, 2014, 16, 26638-26644. | 2.8 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Exploring the mechanisms of metal co-catalysts in photocatalytic reduction reactions: Is Ag a good candidate?. Applied Catalysis A: General, 2016, 518, 213-220. | 4.3 | 17 |
| 20 | A surface oxidised Feâ€“S catalyst for the liquid phase hydrogenation of CO<sub>2</sub>. Catalysis Science and Technology, 2021, 11, 779-784. | 4.1 | 10 |
| 21 | Carbidisation of Pd Nanoparticles by Ethene Decomposition with Methane Production. ChemCatChem, 2019, 11, 4334-4339. | 3.7 | 9 |
| 22 | The adsorbed state of a thiol on palladium nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 17265-17271. | 2.8 | 6 |
| 23 | Probing the Role of a Nonâ€Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie, 2017, 129, 9479-9483. | 2.0 | 3 |