

Wesley Luc

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4077754/publications.pdf>

Version: 2024-02-01

15
papers

2,789
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

3582
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Overcoming immiscibility toward bimetallic catalyst library. <i>Science Advances</i> , 2020, 6, eaaz6844. | 10.3 | 105 |
| 2 | Computation and assessment of solar electrolyzer field performance: comparing coupling strategies. <i>Sustainable Energy and Fuels</i> , 2019, 3, 422-430. | 4.9 | 12 |
| 3 | SO ₂ -Induced Selectivity Change in CO ₂ Electroreduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 9902-9909. | 13.7 | 102 |
| 4 | General Techno-Economic Analysis of CO ₂ Electrolysis Systems. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2165-2177. | 3.7 | 928 |
| 5 | A Highly Porous Copper Electrocatalyst for Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2018, 30, e1803111. | 21.0 | 356 |
| 6 | Carbon dioxide splitting using an electro-thermochemical hybrid looping strategy. <i>Energy and Environmental Science</i> , 2018, 11, 2928-2934. | 30.8 | 23 |
| 7 | Understanding Surface-Mediated Electrochemical Reactions: CO ₂ Reduction and Beyond. <i>ACS Catalysis</i> , 2018, 8, 8121-8129. | 11.2 | 194 |
| 8 | High-rate electroreduction of carbon monoxide to multi-carbon products. <i>Nature Catalysis</i> , 2018, 1, 748-755. | 34.4 | 400 |
| 9 | Role of Surface Oxophilicity in Copper-Catalyzed Water Dissociation. <i>ACS Catalysis</i> , 2018, 8, 9327-9333. | 11.2 | 46 |
| 10 | Ag-Sn Bimetallic Catalyst with a Core-Shell Structure for CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 1885-1893. | 13.7 | 455 |
| 11 | Nanoporous Cu-Al-Co Alloys for Selective Furfural Hydrodeoxygenation to 2-Methylfuran. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3866-3872. | 3.7 | 34 |
| 12 | Toward a Practical Solar-Driven CO ₂ Flow Cell Electrolyzer: Design and Optimization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10959-10966. | 6.7 | 32 |
| 13 | Design and Implementation of High Voltage Photovoltaic Electrolysis System for Solar Fuel Production from CO ₂ . <i>MRS Advances</i> , 2017, 2, 3359-3364. | 0.9 | 1 |
| 14 | Photoelectrochemical Carbon Dioxide Reduction Using a Nanoporous Ag Cathode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24652-24658. | 8.0 | 22 |
| 15 | Synthesis of Nanoporous Metals, Oxides, Carbides, and Sulfides: Beyond Nanocasting. <i>Accounts of Chemical Research</i> , 2016, 49, 1351-1358. | 15.6 | 72 |