

Linan Zhou

List of Publications by Year in descending order

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20
papers

3,872
citations

430442

18
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

4734
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Hot carrier multiplication in plasmonic photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 43 |
| 2 | Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. Nature Energy, 2020, 5, 61-70. | 19.8 | 466 |
| 3 | Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. ACS Nano, 2020, 14, 12054-12063. | 7.3 | 69 |
| 4 | Plasmon-driven carbon-fluorine (C(sp ³)-F) bond activation with mechanistic insights into hot-carrier-mediated pathways. Nature Catalysis, 2020, 3, 564-573. | 16.1 | 81 |
| 5 | Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. Nano Letters, 2019, 19, 4413-4419. | 4.5 | 32 |
| 6 | Plasmonic Photocatalysis of Nitrous Oxide into N ₂ and O ₂ Using Aluminum-Iridium Antenna-Reactor Nanoparticles. ACS Nano, 2019, 13, 8076-8086. | 7.3 | 83 |
| 7 | Response to Comment on "Quantifying hot carrier and thermal contributions in plasmonic photocatalysis". Science, 2019, 364, . | 6.0 | 131 |
| 8 | Metal-organic frameworks tailor the properties of aluminum nanocrystals. Science Advances, 2019, 5, eaav5340. | 4.7 | 74 |
| 9 | Aluminum Nanorods. Nano Letters, 2018, 18, 1234-1240. | 4.5 | 69 |
| 10 | Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. Science, 2018, 362, 69-72. | 6.0 | 756 |
| 11 | Optical-Force-Dominated Directional Reshaping of Au Nanodisks in Au Heterodimers. Nano Letters, 2018, 18, 6509-6514. | 4.5 | 13 |
| 12 | Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. Nature Communications, 2017, 8, 27. | 5.8 | 308 |
| 13 | Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. Nano Letters, 2017, 17, 5768-5774. | 4.5 | 187 |
| 14 | Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. Nano Letters, 2017, 17, 5071-5077. | 4.5 | 173 |
| 15 | Characterization of tin(II) sulfide defects/vacancies and correlation with their photocurrent. Nano Research, 2017, 10, 218-228. | 5.8 | 8 |
| 16 | Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. Nano Letters, 2016, 16, 3373-3378. | 4.5 | 50 |
| 17 | Al-Pd Nanodisk Heterodimers as Antenna-Reactor Photocatalysts. Nano Letters, 2016, 16, 6677-6682. | 4.5 | 196 |
| 18 | Heterometallic antenna-reactor complexes for photocatalysis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8916-8920. | 3.3 | 381 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. Nano Letters, 2016, 16, 1478-1484. | 4.5 | 294 |
| 20 | Hot-Electron-Induced Dissociation of H ₂ on Gold Nanoparticles Supported on SiO ₂ . Journal of the American Chemical Society, 2014, 136, 64-67. | 6.6 | 458 |