

# Linan Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3826885/publications.pdf>

Version: 2024-02-01

20  
papers

3,872  
citations

430754

18  
h-index

752573

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

4734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying hot carrier and thermal contributions in plasmonic photocatalysis. <i>Science</i> , 2018, 362, 69-72.	6.0	756
2	Light-driven methane dry reforming with single atomic site antenna-reactor plasmonic photocatalysts. <i>Nature Energy</i> , 2020, 5, 61-70.	19.8	466
3	Hot-Electron-Induced Dissociation of H <sub>2</sub> on Gold Nanoparticles Supported on SiO <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2014, 136, 64-67.	6.6	458
4	Heterometallic antenna-reactor complexes for photocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8916-8920.	3.3	381
5	Plasmon-induced selective carbon dioxide conversion on earth-abundant aluminum-cuprous oxide antenna-reactor nanoparticles. <i>Nature Communications</i> , 2017, 8, 27.	5.8	308
6	Aluminum Nanocrystals as a Plasmonic Photocatalyst for Hydrogen Dissociation. <i>Nano Letters</i> , 2016, 16, 1478-1484.	4.5	294
7	Al-Pd Nanodisk Heterodimers as Antenna-Reactor Photocatalysts. <i>Nano Letters</i> , 2016, 16, 6677-6682.	4.5	196
8	Nanogapped Au Antennas for Ultrasensitive Surface-Enhanced Infrared Absorption Spectroscopy. <i>Nano Letters</i> , 2017, 17, 5768-5774.	4.5	187
9	Aluminum Nanocrystals: A Sustainable Substrate for Quantitative SERS-Based DNA Detection. <i>Nano Letters</i> , 2017, 17, 5071-5077.	4.5	173
10	Response to Comment on "Quantifying hot carrier and thermal contributions in plasmonic photocatalysis". <i>Science</i> , 2019, 364, .	6.0	131
11	Plasmonic Photocatalysis of Nitrous Oxide into N <sub>2</sub> and O <sub>2</sub> Using Aluminum-Iridium Antenna-Reactor Nanoparticles. <i>ACS Nano</i> , 2019, 13, 8076-8086.	7.3	83
12	Plasmon-driven carbon-fluorine (C(sp <sup>3</sup> )-F) bond activation with mechanistic insights into hot-carrier-mediated pathways. <i>Nature Catalysis</i> , 2020, 3, 564-573.	16.1	81
13	Metal-organic frameworks tailor the properties of aluminum nanocrystals. <i>Science Advances</i> , 2019, 5, eaav5340.	4.7	74
14	Aluminum Nanorods. <i>Nano Letters</i> , 2018, 18, 1234-1240.	4.5	69
15	Morphology-Dependent Reactivity of a Plasmonic Photocatalyst. <i>ACS Nano</i> , 2020, 14, 12054-12063.	7.3	69
16	Toward Surface Plasmon-Enhanced Optical Parametric Amplification (SPOPA) with Engineered Nanoparticles: A Nanoscale Tunable Infrared Source. <i>Nano Letters</i> , 2016, 16, 3373-3378.	4.5	50
17	Hot carrier multiplication in plasmonic photocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	43
18	Photocatalytic Hydrogenation of Graphene Using Pd Nanocones. <i>Nano Letters</i> , 2019, 19, 4413-4419.	4.5	32

#	ARTICLE	IF	CITATIONS
19	Optical-Force-Dominated Directional Reshaping of Au Nanodisks in AlAu Heterodimers. Nano Letters, 2018, 18, 6509-6514.	4.5	13
20	Characterization of tin(II) sulfide defects/vacancies and correlation with their photocurrent. Nano Research, 2017, 10, 218-228.	5.8	8