

# Chang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6017029/publications.pdf>

Version: 2024-02-01

20  
papers

1,271  
citations

623734

14  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of hierarchical porous nickel based metal-organic framework (Ni-MOF) constructed with nanosheets as novel pseudo-capacitive material for asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 57-68.	9.4	284
2	Bimetallic synergy in cobalt-palladium nanocatalysts for CO oxidation. <i>Nature Catalysis</i> , 2019, 2, 78-85.	34.4	195
3	Oxygen evolution reaction over catalytic single-site Co in a well-defined brookite TiO <sub>2</sub> nanorod surface. <i>Nature Catalysis</i> , 2021, 4, 36-45.	34.4	189
4	Bimetallic Composition-Promoted Electrocatalytic Hydrodechlorination Reaction on Silver-Palladium Alloy Nanoparticles. <i>ACS Catalysis</i> , 2019, 9, 10803-10811.	11.2	115
5	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO <sub>2</sub> Nanorods. <i>Journal of the American Chemical Society</i> , 2019, 141, 16548-16552.	13.7	78
6	Favorable Core/Shell Interface within Co <sub>2</sub> P/Pt Nanorods for Oxygen Reduction Electrocatalysis. <i>Nano Letters</i> , 2018, 18, 7870-7875.	9.1	68
7	Reversing sintering effect of Ni particles on $\beta$ -Mo <sub>2</sub> N via strong metal support interaction. <i>Nature Communications</i> , 2021, 12, 6978.	12.8	58
8	Effect of Ni particle size on the production of renewable methane from CO <sub>2</sub> over Ni/CeO <sub>2</sub> catalyst. <i>Journal of Energy Chemistry</i> , 2021, 61, 602-611.	12.9	51
9	22% Efficiency Inverted Perovskite Photovoltaic Cell Using Cation-Doped Brookite TiO <sub>2</sub> Top Buffer. <i>Advanced Science</i> , 2020, 7, 2001285.	11.2	43
10	Fabrication of hierarchical MoO <sub>3</sub> -PPy core-shell nanobelts and worm-like-MWNTs-MnO <sub>2</sub> core-shell materials for high-performance asymmetric supercapacitor. <i>Journal of Materials Science</i> , 2018, 53, 5255-5269.	3.7	37
11	Electrocatalytic Water Oxidation by a Trinuclear Copper(II) Complex. <i>ACS Catalysis</i> , 2021, 11, 7223-7240.	11.2	35
12	Revealing structural evolution of PbS nanocrystal catalysts in electrochemical CO <sub>2</sub> reduction using <i>in situ</i> synchrotron radiation X-ray diffraction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23775-23780.	10.3	24
13	Mechanistic Studies of Single-Step Styrene Production Catalyzed by Rh Complexes with Diimine Ligands: An Evaluation of the Role of Ligands and Induction Period. <i>ACS Catalysis</i> , 2019, 9, 7457-7475.	11.2	23
14	Synthesis of freestanding amorphous giant carbon tubes with outstanding oil sorption and water oxidation properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3996-4002.	10.3	19
15	Styrene Production from Benzene and Ethylene Catalyzed by Palladium(II): Enhancement of Selectivity toward Styrene via Temperature-dependent Vinyl Ester Consumption. <i>Organometallics</i> , 2019, 38, 3532-3541.	2.3	15
16	Two-Dimensional Metal Organic Framework Nanosheets as Bifunctional Catalyst for Electrochemical and Photoelectrochemical Water Oxidation. <i>Frontiers in Chemistry</i> , 2020, 8, 604239.	3.6	12
17	Immobilization of Capping Arene-Cobalt(II) Complexes on Ordered Mesoporous Carbon for Electrocatalytic Water Oxidation. <i>ACS Catalysis</i> , 2021, 11, 15068-15082.	11.2	8
18	Noncovalent Immobilization of Pentamethylcyclopentadienyl Iridium Complexes on Ordered Mesoporous Carbon for Electrocatalytic Water Oxidation. <i>Small Science</i> , 2021, 1, 2100037.	9.9	7

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19	Effects of Additives on Catalytic Arene C-H Activation: Study of Rh Catalysts Supported by Bis-phosphine Pincer Ligands. <i>Organometallics</i> , 2020, 39, 3918-3935.	2.3	4
20	Iron-based nanoparticles embedded in nitrogen-doped carbon nanofibers towards efficient oxygen reduction for zinc-air batteries. <i>Catalysis Today</i> , 2022, 400-401, 115-123.	4.4	3