

# Denglei Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6259404/publications.pdf>

Version: 2024-02-01

15  
papers

888  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Promotion of CO <sub>2</sub> methanation at low temperature over hydrotalcite-derived catalysts-effect of the tunable metal species and basicity. International Journal of Hydrogen Energy, 2021, 46, 518-530.	7.1	37
2	Orbital-scale understanding on high-selective hydrogenation of acetylene over Pt <sub>1</sub> -Cu(1 1 1) catalyst. Chemical Engineering Science, 2021, 240, 116664.	3.8	12
3	Engineering Tetrahedral Co <sup>2+</sup> -Exposed Co <sub>3</sub> O <sub>4</sub> Nanosheets toward Highly Efficient Styrene Epoxidation. Industrial & Engineering Chemistry Research, 2021, 60, 15106-15114.	3.7	4
4	Support effect boosting the electrocatalytic N <sub>2</sub> reduction activity of Ni <sub>2</sub> P/N,P-codoped carbon nanosheet hybrids. Journal of Materials Chemistry A, 2020, 8, 2691-2700.	10.3	32
5	Iron/nickel nano-alloy encapsulated in nitrogen-doped carbon framework for CO <sub>2</sub> electrochemical conversion with prominent CO selectivity. Journal of Power Sources, 2020, 449, 227496.	7.8	10
6	sp <sup>2</sup> /sp <sup>3</sup> Hybridized Carbon as an Anode with Extra Li-Ion Storage Capacity: Construction and Origin. ACS Central Science, 2020, 6, 1451-1459.	11.3	22
7	Manganese Doping in Cobalt Oxide Nanorods Promotes Catalytic Dehydrogenation. ACS Sustainable Chemistry and Engineering, 2020, 8, 5734-5741.	6.7	19
8	Monolayered Ru <sub>1</sub> /TiO <sub>2</sub> nanosheet enables efficient visible-light-driven hydrogen evolution. Applied Catalysis B: Environmental, 2020, 271, 118925.	20.2	30
9	First-principles study on screening doped TiO <sub>2</sub> (B) as an anode material with high conductivity and low lithium transport resistance for lithium-ion batteries. Physical Chemistry Chemical Physics, 2019, 21, 17985-17992.	2.8	12
10	Polyoxometalate-assisted formation of CoSe/MoSe <sub>2</sub> heterostructures with enhanced oxygen evolution activity. Journal of Materials Chemistry A, 2019, 7, 3317-3326.	10.3	94
11	Facile synthesis of a bismuth nanostructure with enhanced selectivity for electrochemical conversion of CO <sub>2</sub> to formate. Nanoscale, 2019, 11, 7805-7812.	5.6	80
12	Spin transport properties of 1,4,5,8-naphthalenetetracarboxylic dianhydride based molecular devices. Physical Chemistry Chemical Physics, 2019, 21, 24650-24658.	2.8	4
13	Atomic Co/Ni dual sites and Co/Ni alloy nanoparticles in N-doped porous Janus-like carbon frameworks for bifunctional oxygen electrocatalysis. Applied Catalysis B: Environmental, 2019, 240, 112-121.	20.2	334
14	Cobalt Single Atoms Immobilized N-Doped Carbon Nanotubes for Enhanced Bifunctional Catalysis toward Oxygen Reduction and Oxygen Evolution Reactions. ACS Applied Energy Materials, 2018, 1, 3283-3291.	5.1	90
15	Carbon Nitride Supramolecular Hybrid Material Enabled High-Efficiency Photocatalytic Water Treatments. Nano Letters, 2016, 16, 6568-6575.	9.1	108