

# Haiyan Zhu

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Highly Dispersed Pd-CeO <sub>2</sub> Nanoparticles Supported on N-Doped Core-Shell Structured Mesoporous Carbon for Methanol Oxidation in Alkaline Media. ACS Catalysis, 2019, 9, 6362-6371.	11.2	131
2	Chemical Vapor Deposition for N/S-Doped Single Fe Site Catalysts for the Oxygen Reduction in Direct Methanol Fuel Cells. ACS Catalysis, 2021, 11, 7450-7459.	11.2	120
3	C/B codoping effect on band gap narrowing and optical performance of TiO <sub>2</sub> photocatalyst: a spin-polarized DFT study. Journal of Materials Chemistry A, 2013, 1, 4516.	10.3	42
4	Facile synthesis of novel three-dimensional Bi <sub>2</sub> S <sub>3</sub> nanocrystals capped by polyvinyl pyrrolidone to enhance photocatalytic properties under visible light. Journal of Colloid and Interface Science, 2020, 573, 115-122.	9.4	38
5	Enhanced optical absorption and photocatalytic activity of anatase TiO <sub>2</sub> through (Si,Ni) codoping. Applied Physics Letters, 2012, 101, 062106.	3.3	21
6	New schemes for internally contracted multi-reference configuration interaction. Journal of Chemical Physics, 2014, 141, 164114.	3.0	19
7	A CO <sub>2</sub> /H <sub>2</sub> fuel cell: reducing CO <sub>2</sub> while generating electricity. Journal of Materials Chemistry A, 2020, 8, 8329-8336.	10.3	16
8	Highly Selective Electrocatalytic CO <sub>2</sub> Reduction to Methanol on Iridium Dioxide with CO <sup>*</sup> Spectators. ChemElectroChem, 2020, 7, 5036-5043.	3.4	9
9	Anchoring Cu Clusters over Defective Graphene for Electrocatalytic Reduction of CO <sub>2</sub> . Journal of Physical Chemistry C, 2022, 126, 11611-11618.	3.1	8
10	A theoretical study of the electrochemical reduction of CO <sub>2</sub> on cerium dioxide supported palladium single atoms and nanoparticles. Physical Chemistry Chemical Physics, 2021, 23, 26185-26194.	2.8	5
11	All-Metal Aromatic Sandwich Binuclear Complexes: Electronic Structures, Aromaticity and Interactions with Hydrogen via Multicenter Bonds. ChemistrySelect, 2017, 2, 6206-6211.	1.5	1