

# Weitao Shan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4987980/publications.pdf>

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16  
papers

1,442  
citations

687363

13  
h-index

996975

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16  
docs citations

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times ranked

1588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN <sub>4</sub> Sites for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18971-18980.	13.8	362
2	Single Cobalt Sites Dispersed in Hierarchically Porous Nanofiber Networks for Durable and High-Power PGM-Free Cathodes in Fuel Cells. <i>Advanced Materials</i> , 2020, 32, e2003577.	21.0	262
3	Atomically Dispersed Single Ni Site Catalysts for Nitrogen Reduction toward Electrochemical Ammonia Synthesis Using N <sub>2</sub> and H <sub>2</sub> O. <i>Small Methods</i> , 2020, 4, 1900821.	8.6	148
4	Engineering Atomically Dispersed FeN <sub>4</sub> Active Sites for CO <sub>2</sub> Electroreduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1022-1032.	13.8	121
5	Dynamically Unveiling Metal-Nitrogen Coordination during Thermal Activation to Design High-Efficient Atomically Dispersed CoN <sub>4</sub> Active Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9516-9526.	13.8	119
6	Atomically dispersed single Ni site catalysts for high-efficiency CO <sub>2</sub> electroreduction at industrial-level current densities. <i>Energy and Environmental Science</i> , 2022, 15, 2108-2119.	30.8	99
7	Atomically Dispersed Dual-Metal Site Catalysts for Enhanced CO <sub>2</sub> Reduction: Mechanistic Insight into Active Site Structures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	83
8	Thermally Driven Structure and Performance Evolution of Atomically Dispersed FeN <sub>4</sub> Sites for Oxygen Reduction. <i>Angewandte Chemie</i> , 2019, 131, 19147-19156.	2.0	57
9	Segregation of Native Defects to the Grain Boundaries in Methylammonium Lead Iodide Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5935-5942.	4.6	56
10	Mordant inspired wet-spinning of graphene fibers for high performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6869-6876.	10.3	47
11	Engineering Atomically Dispersed FeN <sub>4</sub> Active Sites for CO <sub>2</sub> Electroreduction. <i>Angewandte Chemie</i> , 2021, 133, 1035-1045.	2.0	39
12	Dynamically Unveiling Metal-Nitrogen Coordination during Thermal Activation to Design High-Efficient Atomically Dispersed CoN <sub>4</sub> Active Sites. <i>Angewandte Chemie</i> , 2021, 133, 9602-9612.	2.0	21
13	Enhancing Catalytic Properties of Iron- and Nitrogen-Doped Carbon for Nitrogen Reduction through Structural Distortion: A Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16004-16012.	3.1	14
14	Hydrogen-induced atomic structure evolution of the oxygen-chemisorbed Cu(110) surface. <i>Journal of Chemical Physics</i> , 2016, 145, 234704.	3.0	7
15	Atomically Dispersed Dual-Metal Site Catalysts for Enhanced CO <sub>2</sub> Reduction: Mechanistic Insight into Active Site Structures. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
16	Revealing an Intermediate Cu-O/OH Superstructure on Cu(110). <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2396-2403.	4.6	1