

# Xiao Zhang

## List of Publications by Year in descending order

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17  
papers

3,074  
citations

623734

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888059

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docs citations

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times ranked

4639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-assisted dry reforming of methane over Mo <sub>2</sub> C-Ni/Al <sub>2</sub> O <sub>3</sub> catalysts: Effects of $\delta$ -Mo <sub>2</sub> C promoter. Applied Catalysis B: Environmental, 2022, 301, 120779.	20.2	53
2	Engineering the Local Coordination Environment and Density of FeN <sub>4</sub> Sites by Mn Cooperation for Electrocatalytic Oxygen Reduction. Small, 2022, 18, e2200911.	10.0	44
3	Highly active sites of low spin FeN <sub>4</sub> species: The identification and the ORR performance. Nano Research, 2021, 14, 122-130.	10.4	42
4	$\delta$ -MoC nanorods as an efficient hydrogen evolution reaction electrocatalyst. New Journal of Chemistry, 2021, 45, 10396-10401.	2.8	12
5	A stable low-temperature H <sub>2</sub> -production catalyst by crowding Pt on $\delta$ -MoC. Nature, 2021, 589, 396-401.	27.8	290
6	Phase transformation of iron oxide to carbide and Fe <sub>3</sub> C as an active center for the RWGS reaction. New Journal of Chemistry, 2021, 45, 22444-22449.	2.8	16
7	Synergy between $\delta$ -Mo <sub>2</sub> C Nanorods and Non-thermal Plasma for Selective CO <sub>2</sub> Reduction to CO. Chem, 2020, 6, 3312-3328.	11.7	47
8	SFPQ Is an FTO-Binding Protein that Facilitates the Demethylation Substrate Preference. Cell Chemical Biology, 2020, 27, 283-291.e6.	5.2	26
9	Structural insights into FTO's catalytic mechanism for the demethylation of multiple RNA substrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2919-2924.	7.1	163
10	The m <sup>6</sup> A Reader ECT2 Controls Trichome Morphology by Affecting mRNA Stability in Arabidopsis. Plant Cell, 2018, 30, 968-985.	6.6	232
11	Progress in hydrogen production over transition metal carbide catalysts: challenges and opportunities. Current Opinion in Chemical Engineering, 2018, 20, 68-77.	7.8	40
12	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N <sup>6</sup> -Methyladenosine Modification. Angewandte Chemie, 2018, 130, 16227-16232.	2.0	6
13	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N <sup>6</sup> -Methyladenosine Modification. Angewandte Chemie - International Edition, 2018, 57, 15995-16000.	13.8	175
14	Atomic-layered Au clusters on $\delta$ -MoC as catalysts for the low-temperature water-gas shift reaction. Science, 2017, 357, 389-393.	12.6	534
15	Low-temperature hydrogen production from water and methanol using Pt/ $\delta$ -MoC catalysts. Nature, 2017, 544, 80-83.	27.8	1,090
16	Mettl3-/Mettl14-mediated mRNA N <sup>6</sup> -methyladenosine modulates murine spermatogenesis. Cell Research, 2017, 27, 1216-1230.	12.0	298
17	RNA epigenetic modification: N <sup>6</sup> -methyladenosine. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2016, 38, 275-88.	0.2	6