

Xiao Zhang

List of Publications by Year in descending order

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17
papers

3,074
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

4639
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature hydrogen production from water and methanol using Pt/Î±-MoC catalysts. Nature, 2017, 544, 80-83.	27.8	1,090
2	Atomic-layered Au clusters on Î±-MoC as catalysts for the low-temperature water-gas shift reaction. Science, 2017, 357, 389-393.	12.6	534
3	Mettl3-/Mettl14-mediated mRNA N6-methyladenosine modulates murine spermatogenesis. Cell Research, 2017, 27, 1216-1230.	12.0	298
4	A stable low-temperature H ₂ -production catalyst by crowding Pt on Î±-MoC. Nature, 2021, 589, 396-401.	27.8	290
5	The m ⁶ A Reader ECT2 Controls Trichome Morphology by Affecting mRNA Stability in Arabidopsis. Plant Cell, 2018, 30, 968-985.	6.6	232
6	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N ⁶ -Methyladenosine Modification. Angewandte Chemie - International Edition, 2018, 57, 15995-16000.	13.8	175
7	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
8	Plasma-assisted dry reforming of methane over Mo ₂ C-Ni/Al ₂ O ₃ catalysts: Effects of Î²-Mo ₂ C promoter. Applied Catalysis B: Environmental, 2022, 301, 120779.	20.2	53
9	Synergy between Î²-Mo ₂ C Nanorods and Non-thermal Plasma for Selective CO ₂ Reduction to CO. Chem, 2020, 6, 3312-3328.	11.7	47
10	Engineering the Local Coordination Environment and Density of FeN ₄ Sites by Mn Cooperation for Electrocatalytic Oxygen Reduction. Small, 2022, 18, e2200911.	10.0	44
11	Highly active sites of low spin FeN ₄ species: The identification and the ORR performance. Nano Research, 2021, 14, 122-130.	10.4	42
12	Progress in hydrogen production over transition metal carbide catalysts: challenges and opportunities. Current Opinion in Chemical Engineering, 2018, 20, 68-77.	7.8	40
13	SFPQ Is an FTO-Binding Protein that Facilitates the Demethylation Substrate Preference. Cell Chemical Biology, 2020, 27, 283-291.e6.	5.2	26
14	Phase transformation of iron oxide to carbide and Fe ₃ C as an active center for the RWGS reaction. New Journal of Chemistry, 2021, 45, 22444-22449.	2.8	16
15	Î±-MoC _{1-x} nanorods as an efficient hydrogen evolution reaction electrocatalyst. New Journal of Chemistry, 2021, 45, 10396-10401.	2.8	12
16	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N ⁶ -Methyladenosine Modification. Angewandte Chemie, 2018, 130, 16227-16232.	2.0	6
17	RNA epigenetic modification: N6-methyladenosine. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2016, 38, 275-88.	0.2	6