

# Mengyao Ouyang

## List of Publications by Year in descending order

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14  
papers

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840776

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1125743

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Directing reaction pathways via in situ control of active site geometries in PdAu single-atom alloy catalysts. <i>Nature Communications</i> , 2021, 12, 1549.	12.8	82
2	High-loading single Pt atom sites [Pt-O(OH) <sub>x</sub> ] catalyze the CO PROX reaction with high activity and selectivity at mild conditions. <i>Science Advances</i> , 2020, 6, eaba3809.	10.3	78
3	Three dimensional Ag/KCC-1 catalyst with a hierarchical fibrous framework for the hydrogenation of dimethyl oxalate. <i>RSC Advances</i> , 2016, 6, 12788-12791.	3.6	49
4	Low-Coordinated Pd Catalysts Supported on Zn <sub>1</sub> Zr <sub>1</sub> O <sub>x</sub> Composite Oxides for Selective Methanol Steam Reforming. <i>Applied Catalysis A: General</i> , 2019, 580, 81-92.	4.3	31
5	Atomically Dispersed Pd Supported on Zinc Oxide for Selective Nonoxidative Ethanol Dehydrogenation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 2648-2656.	3.7	29
6	Selective Catalytic Oxidation of Methane to Methanol in Aqueous Medium over Copper Cations Promoted by Atomically Dispersed Rhodium on TiO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202201540.	13.8	29
7	Mechanistic and Electronic Insights into a Working NiAu Single-Atom Alloy Ethanol Dehydrogenation Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 21567-21579.	13.7	28
8	Single-step selective oxidation of methane to methanol in the aqueous phase on iridium-based catalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120124.	20.2	26
9	Effect of Ti on Ag catalyst supported on spherical fibrous silica for partial hydrogenation of dimethyl oxalate. <i>Applied Surface Science</i> , 2019, 466, 592-600.	6.1	24
10	Developing single-site Pt catalysts for the preferential oxidation of CO: A surface science and first principles-guided approach. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119716.	20.2	19
11	PdCu Single Atom Alloys for the Selective Oxidation of Methanol to Methyl Formate at Low Temperatures. <i>Topics in Catalysis</i> , 2020, 63, 618-627.	2.8	16
12	Single Atomic Pt on SrTiO <sub>3</sub> Catalyst in Reverse Water Gas Shift Reactions. <i>Catalysts</i> , 2021, 11, 738.	3.5	8
13	Photosynthesis of a Photocatalyst: Single Atom Platinum Captured and Stabilized by an Iron(III) Engineered Defect. <i>Journal of Physical Chemistry A</i> , 2021, 125, 88-98.	2.5	6
14	Selective Catalytic Oxidation of Methane to Methanol in Aqueous Medium over Copper Cations Promoted by Atomically Dispersed Rhodium on TiO <sub>2</sub> . <i>Angewandte Chemie</i> , 0, , .	2.0	3