

Ming Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	2,392 citations	19 h-index	31 g-index
31 ext. papers	2,837 ext. citations	11.1 avg, IF	5.03 L-index

#	Paper	IF	Citations
31	Single Atomic Pt on SrTiO ₃ Catalyst in Reverse Water Gas Shift Reactions. <i>Catalysts</i> , 2021 , 11, 738	4	1
30	Possible negative influences of increasing content of cerium on activity and hydrothermal stability of Rh/ceria-zirconia three-way catalysts. <i>Journal of Rare Earths</i> , 2021 , 39, 797-804	3.7	1
29	Selective electroreduction of CO ₂ to ethanol over a highly stable catalyst derived from polyaniline/CuBi ₂ O ₄ . <i>Catalysis Science and Technology</i> , 2021 , 11, 5908-5916	5.5	1
28	Investigating anomalous growth of platinum particles during accelerated aging of diesel oxidation catalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 266, 118598	21.8	12
27	Nanocluster and single-atom catalysts for thermocatalytic conversion of CO and CO ₂ . <i>Catalysis Science and Technology</i> , 2020 , 10, 5772-5791	5.5	12
26	Activation of subnanometric Pt on Cu-modified CeO via redox-coupled atomic layer deposition for CO oxidation. <i>Nature Communications</i> , 2020 , 11, 4240	17.4	41
25	Tuning Single-atom Pt ₁ CeO ₂ Catalyst for Efficient CO and C ₃ H ₆ Oxidation: Size Effect of Ceria on Pt Structural Evolution. <i>ChemNanoMat</i> , 2020 , 6, 1797-1805	3.5	6
24	Enhancing oxygen reduction performance of oxide-CNT through in-situ generated nanoalloy bridging. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118297	21.8	16
23	Surpassing the single-atom catalytic activity limit through paired Pt-O-Pt ensemble built from isolated Pt atoms. <i>Nature Communications</i> , 2019 , 10, 3808	17.4	120
22	Aftertreatment Protocols for Catalyst Characterization and Performance Evaluation: Low-Temperature Oxidation, Storage, Three-Way, and NH ₃ -SCR Catalyst Test Protocols. <i>Emission Control Science and Technology</i> , 2019 , 5, 183-214	2	24
21	Single-atom gold oxo-clusters prepared in alkaline solutions catalyse the heterogeneous methanol self-coupling reactions. <i>Nature Chemistry</i> , 2019 , 11, 1098-1105	17.6	44
20	Single-site Pt/La-Al ₂ O ₃ stabilized by barium as an active and stable catalyst in purifying CO and C ₃ H ₆ emissions. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 327-339	21.8	27
19	Thermally stable γ -alumina developed from the fumigation byproduct of phosphide aluminum. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 256-264	5.7	3
18	Design of single-atom metal catalysts on various supports for the low-temperature water-gas shift reaction. <i>Catalysis Today</i> , 2017 , 298, 216-225	5.3	44
17	Enhanced thermal stability of palladium oxidation catalysts using phosphate-modified alumina supports. <i>Catalysis Science and Technology</i> , 2017 , 7, 5038-5048	5.5	17
16	The role of pore diffusion in determining NH ₃ SCR active sites over Cu/SAPO-34 catalysts. <i>Journal of Catalysis</i> , 2016 , 341, 55-61	7.3	45
15	Single gold atoms stabilized on nanoscale metal oxide supports are catalytic active centers for various reactions. <i>AIChE Journal</i> , 2016 , 62, 429-439	3.6	58

14	Atomically Dispersed Precious Metal Species on Various Oxide Supports for Catalytic Hydrogen Upgrading and Emission Control. <i>Microscopy and Microanalysis</i> , 2016 , 22, 858-859	0.5	
13	Tackling CO Poisoning with Single-Atom Alloy Catalysts. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6396-9	16.4	272
12	A common single-site Pt(II)-O(OH) _x - species stabilized by sodium on "active" and "inert" supports catalyzes the water-gas shift reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3470-3	16.4	280
11	Selective hydrogenation of 1,3-butadiene on platinum-copper alloys at the single-atom limit. <i>Nature Communications</i> , 2015 , 6, 8550	17.4	369
10	ZnO-modified zirconia as gold catalyst support for the low-temperature methanol steam reforming reaction. <i>Applied Catalysis B: Environmental</i> , 2014 , 154-155, 142-152	21.8	42
9	Catalytically active Au-O(OH) _x -species stabilized by alkali ions on zeolites and mesoporous oxides. <i>Science</i> , 2014 , 346, 1498-501	33.3	437
8	Structure Sensitivity of Oxidative Dehydrogenation of Cyclohexane over FeO _x and Au/Fe ₃ O ₄ Nanocrystals. <i>ACS Catalysis</i> , 2013 , 3, 529-539	13.1	24
7	Atomically dispersed Au-(OH) _x species bound on titania catalyze the low-temperature water-gas shift reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3768-71	16.4	293
6	Modified textures and redox activities in Pt/Al ₂ O ₃ +BaO/CexZr _{1-x} O ₂ model NSR catalysts. <i>Applied Catalysis B: Environmental</i> , 2011 , 101, 355-365	21.8	12
5	Effects of Ni-Doping of Ceria-Based Materials on Their Micro-Structures and Dynamic Oxygen Storage and Release Behaviors. <i>Catalysis Letters</i> , 2010 , 140, 38-48	2.8	20
4	Effects of CO ₂ and steam on Ba/Ce-based NO _x storage reduction catalysts during lean aging. <i>Journal of Catalysis</i> , 2010 , 271, 228-238	7.3	16
3	Performance of dynamic oxygen storage capacity, water-gas shift and steam reforming reactions over Pd-only three-way catalysts. <i>Catalysis Today</i> , 2010 , 158, 481-489	5.3	36
2	Pd/Support Interface-Promoted PdTe _{0.7} Zr _{0.3} O ₂ /Al ₂ O ₃ Automobile Three-Way Catalysts: Studying the Dynamic Oxygen Storage Capacity and CO, C ₃ H ₈ , and NO Conversion. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3212-3221	3.8	89
1	Pd-Supported Interaction-Defined Selective Redox Activities in PdTe _{0.7} Zr _{0.3} O ₂ /Al ₂ O ₃ Model Three-Way Catalysts. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12778-12789	3.8	30