

Yan Tang

List of Publications by Year in descending order

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17
papers

2,629
citations

516710

16
h-index

888059

17
g-index

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all docs

17
docs citations

17
times ranked

3729
citing authors

#	ARTICLE	IF	CITATIONS
1	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020, 12, 764-772.	13.6	452
2	High-loading and thermally stable Pt ₁ /MgAl _{1.2} Fe _{0.8} O ₄ single-atom catalysts for high-temperature applications. <i>Science China Materials</i> , 2020, 63, 949-958.	6.3	31
3	Unraveling the coordination structure-performance relationship in Pt ₁ /Fe ₂ O ₃ single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 4500.	12.8	279
4	Rh single atoms on TiO ₂ dynamically respond to reaction conditions by adapting their site. <i>Nature Communications</i> , 2019, 10, 4488.	12.8	191
5	Tuning defects in oxides at room-temperature by lithium reduction. <i>Nature Communications</i> , 2018, 9, 1302.	12.8	428
6	Maximizing the Number of Interfacial Sites in Single-Atom Catalysts for the Highly Selective, Solvent-Free Oxidation of Primary Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7795-7799.	13.8	151
7	Maximizing the Number of Interfacial Sites in Single-Atom Catalysts for the Highly Selective, Solvent-Free Oxidation of Primary Alcohols. <i>Angewandte Chemie</i> , 2018, 130, 7921-7925.	2.0	18
8	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. <i>ACS Catalysis</i> , 2018, 8, 110-121.	11.2	81
9	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO ₂ Nanosheets. <i>Nano Letters</i> , 2018, 18, 7809-7815.	9.1	30
10	Exceptional Antisintering Gold Nanocatalyst for Diesel Exhaust Oxidation. <i>Nano Letters</i> , 2018, 18, 6489-6493.	9.1	19
11	Theoretical understanding of the stability of single-atom catalysts. <i>National Science Review</i> , 2018, 5, 638-641.	9.5	194
12	Theoretical Investigations of Pt ₁ @CeO ₂ Single-Atom Catalyst for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11281-11289.	3.1	138
13	High-Performance Rh ₂ P Electrocatalyst for Efficient Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 5494-5502.	13.7	343
14	Investigation of water adsorption and dissociation on Au ₁ /CeO ₂ single-atom catalysts using density functional theory. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1558-1565.	14.0	16
15	New mechanistic pathways for CO oxidation catalyzed by single-atom catalysts: Supported and doped Au ₁ /ThO ₂ . <i>Nano Research</i> , 2016, 9, 3868-3880.	10.4	68
16	On the Nature of Support Effects of Metal Dioxides MO ₂ (M = Ti, Zr, Hf, Ce, Th) in Single-Atom Gold Catalysts: Importance of Quantum Primogenic Effect. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17514-17526.	3.1	120
17	Mechanistic Insights into Propene Epoxidation with O ₂ -H ₂ O Mixture on Au ₇ /Al ₂ O ₃ : A Hydroproxyl Pathway from ab Initio Molecular Dynamics Simulations. <i>ACS Catalysis</i> , 2016, 6, 2525-2535.	11.2	70