

# Yan Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10620832/publications.pdf>

Version: 2024-02-01

17  
papers

2,629  
citations

516710

16  
h-index

888059

17  
g-index

17  
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  | Tuning defects in oxides at room-temperature by lithium reduction. <i>Nature Communications</i> , 2018, 9, 1302.   | 12.8 | 428       |
| 3  | High-Performance Rh <sub>2</sub> P Electrocatalyst for Efficient Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 5494-5502.  | 13.7 | 343       |
| 4  | Unraveling the coordination structure-performance relationship in Pt <sub>1</sub> /Fe <sub>2</sub> O <sub>3</sub> single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 4500.   | 12.8 | 279       |
| 5  | Theoretical understanding of the stability of single-atom catalysts. <i>National Science Review</i> , 2018, 5, 638-641.  | 9.5  | 194       |
| 6  | Rh single atoms on TiO <sub>2</sub> dynamically respond to reaction conditions by adapting their site. <i>Nature Communications</i> , 2019, 10, 4488.  | 12.8 | 191       |
| 7  | 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       |
| 8  | Theoretical Investigations of Pt <sub>1</sub> @CeO <sub>2</sub> Single-Atom Catalyst for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11281-11289.  | 3.1  | 138       |
| 9  | On the Nature of Support Effects of Metal Dioxides MO <sub>2</sub> (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       |
| 10 | Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. <i>ACS Catalysis</i> , 2018, 8, 110-121.  | 11.2 | 81        |
| 11 | Mechanistic Insights into Propene Epoxidation with O <sub>2</sub> /H <sub>2</sub> O Mixture on Au <sub>7</sub> /Al <sub>2</sub> O <sub>3</sub> : A Hydroproxyl Pathway from ab Initio Molecular Dynamics Simulations. <i>ACS Catalysis</i> , 2016, 6, 2525-2535. | 11.2 | 70        |
| 12 | New mechanistic pathways for CO oxidation catalyzed by single-atom catalysts: Supported and doped Au <sub>1</sub> /ThO <sub>2</sub> . <i>Nano Research</i> , 2016, 9, 3868-3880.   | 10.4 | 68        |
| 13 | High-loading and thermally stable Pt <sub>1</sub> /MgAl <sub>1.2</sub> Fe <sub>0.8</sub> O <sub>4</sub> single-atom catalysts for high-temperature applications. <i>Science China Materials</i> , 2020, 63, 949-958.   | 6.3  | 31        |
| 14 | Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO <sub>2</sub> Nanosheets. <i>Nano Letters</i> , 2018, 18, 7809-7815.  | 9.1  | 30        |
| 15 | Exceptional Antisintering Gold Nanocatalyst for Diesel Exhaust Oxidation. <i>Nano Letters</i> , 2018, 18, 6489-6493.   | 9.1  | 19        |
| 16 | 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        |
| 17 | Investigation of water adsorption and dissociation on Au <sub>1</sub> /CeO <sub>2</sub> single-atom catalysts using density functional theory. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1558-1565.  | 14.0 | 16        |