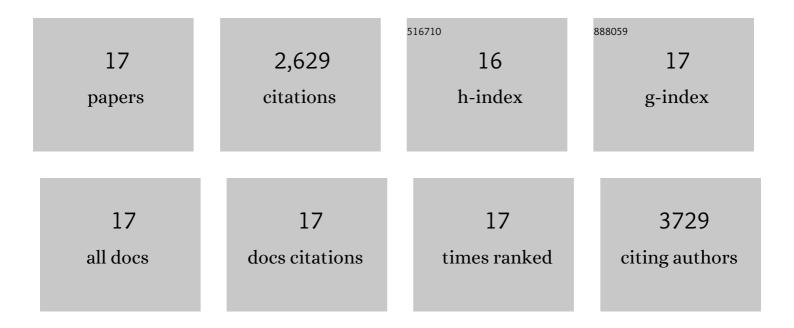
Yan Tang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host–guest strategy. Nature Chemistry, 2020, 12, 764-772.	13.6	452
2	Tuning defects in oxides at roomÂtemperature by lithium reduction. Nature Communications, 2018, 9, 1302.	12.8	428
3	High-Performance Rh ₂ P Electrocatalyst for Efficient Water Splitting. Journal of the American Chemical Society, 2017, 139, 5494-5502.	13.7	343
4	Unraveling the coordination structure-performance relationship in Pt1/Fe2O3 single-atom catalyst. Nature Communications, 2019, 10, 4500.	12.8	279
5	Theoretical understanding of the stability of single-atom catalysts. National Science Review, 2018, 5, 638-641.	9.5	194
6	Rh single atoms on TiO2 dynamically respond to reaction conditions by adapting their site. Nature Communications, 2019, 10, 4488.	12.8	191
7	Maximizing the Number of Interfacial Sites in Singleâ€Atom Catalysts for the Highly Selective, Solventâ€Free Oxidation of Primary Alcohols. Angewandte Chemie - International Edition, 2018, 57, 7795-7799.	13.8	151
8	Theoretical Investigations of Pt ₁ @CeO ₂ Single-Atom Catalyst for CO Oxidation. Journal of Physical Chemistry C, 2017, 121, 11281-11289.	3.1	138
9	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. Journal of Physical Chemistry C, 2016, 120, 17514-17526.	3.1	120
10	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. ACS Catalysis, 2018, 8, 110-121.	11.2	81
11	Mechanistic Insights into Propene Epoxidation with O ₂ –H ₂ O Mixture on Au ₇ /α-Al ₂ O ₃ : A Hydroproxyl Pathway from ab Initio Molecular Dynamics Simulations. ACS Catalysis, 2016, 6, 2525-2535.	11.2	70
12	New mechanistic pathways for CO oxidation catalyzed by single-atom catalysts: Supported and doped Au1/ThO2. Nano Research, 2016, 9, 3868-3880.	10.4	68
13	High-loading and thermally stable Pt1/MgAl1.2Fe0.8O4 single-atom catalysts for high-temperature applications. Science China Materials, 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 ₂ Nanosheets. Nano Letters, 2018, 18, 7809-7815.	9.1	30
15	Exceptional Antisintering Gold Nanocatalyst for Diesel Exhaust Oxidation. Nano Letters, 2018, 18, 6489-6493.	9.1	19
16	Maximizing the Number of Interfacial Sites in Singleâ€Atom Catalysts for the Highly Selective, Solventâ€Free Oxidation of Primary Alcohols. Angewandte Chemie, 2018, 130, 7921-7925.	2.0	18
17	Investigation of water adsorption and dissociation on Au 1 /CeO 2 single-atom catalysts using density functional theory. Chinese Journal of Catalysis, 2017, 38, 1558-1565.	14.0	16