

Shubo Tian

List of Publications by Year in descending order

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papers

3,617
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257357

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times ranked

4740
citing authors

#	ARTICLE	IF	CITATIONS
1	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. <i>Chemical Reviews</i> , 2020, 120, 623-682.	23.0	794
2	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16086-16090.	7.2	431
3	Carbon nitride supported Fe ₂ cluster catalysts with superior performance for alkene epoxidation. <i>Nature Communications</i> , 2018, 9, 2353.	5.8	278
4	Structural isomerism in gold nanoparticles revealed by X-ray crystallography. <i>Nature Communications</i> , 2015, 6, 8667.	5.8	258
5	Metal (Hydr)oxides@Polymer Core-Shell Strategy to Metal Single-Atom Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 10976-10979.	6.6	257
6	Temperature-Controlled Selectivity of Hydrogenation and Hydrodeoxygenation in the Conversion of Biomass Molecule by the Ru ₁ /mpg-C ₃ N ₄ Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 11161-11164.	6.6	199
7	Strain Engineering to Enhance the Electrooxidation Performance of Atomic-Layer Pt on Intermetallic Pt ₃ Ga. <i>Journal of the American Chemical Society</i> , 2018, 140, 2773-2776.	6.6	193
8	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , 2021, 12, 3181.	5.8	156
9	Mesoporous Nitrogen-Doped Carbon@Nanosphere-Supported Isolated Single-Atom Pd Catalyst for Highly Efficient Semihydrogenation of Acetylene. <i>Advanced Materials</i> , 2019, 31, e1901024.	11.1	146
10	Structures and magnetism of mono-palladium and mono-platinum doped Au ₂₅ (PET) ₁₈ nanoclusters. <i>Chemical Communications</i> , 2016, 52, 9873-9876.	2.2	120
11	Single-atom Fe with Fe ₁ N ₃ structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. <i>Science China Materials</i> , 2021, 64, 642-650.	3.5	98
12	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal-Support Interactions. <i>ACS Catalysis</i> , 2019, 9, 5223-5230.	5.5	87
13	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2017, 129, 16302-16306.	1.6	82
14	Coordination structure dominated performance of single-atomic Pt catalyst for anti-Markovnikov hydroboration of alkenes. <i>Science China Materials</i> , 2020, 63, 972-981.	3.5	74
15	High-Loading Single-Atomic-Site Silver Catalysts with an Ag ₁ @C ₂ N ₁ Structure Showing Superior Performance for Epoxidation of Styrene. <i>ACS Catalysis</i> , 2021, 11, 4946-4954.	5.5	62
16	A novel double-helical-kernel evolution pattern of gold nanoclusters: alternate single-stranded growth at both ends. <i>Nanoscale</i> , 2017, 9, 3742-3746.	2.8	58
17	Quantitatively Monitoring the Size-Focusing of Au Nanoclusters and Revealing What Promotes the Size Transformation from Au ₄₄ (TBBT) ₂₈ to Au ₃₆ (TBBT) ₂₄ . <i>Analytical Chemistry</i> , 2016, 88, 11297-11301.	3.2	48
18	Single-atom Sn-Zn pairs in CuO catalyst promote dimethyldichlorosilane synthesis. <i>National Science Review</i> , 2020, 7, 600-608.	4.6	42

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19	Synthesis of fluorescent phenylethanethiolated gold nanoclusters via pseudo-AGR method. <i>Nanoscale</i> , 2015, 7, 16200-16203.	2.8	41
20	Ultrafast Relaxation Dynamics of Au ₃₈ (SC ₂ H ₄ Ph) ₂₄ Nanoclusters and Effects of Structural Isomerism. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10686-10693.	1.5	41
21	Ion-precursor and ion-dose dependent anti-galvanic reduction. <i>Chemical Communications</i> , 2015, 51, 11773-11776.	2.2	35
22	Electrochemical Oxygen Reduction to Hydrogen Peroxide via a Two-Electron Transfer Pathway on Carbon-Based Single-Atom Catalysts. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001360.	1.9	35
23	Al ³⁺ Dopants Induced Mg ²⁺ Vacancies Stabilizing Single-Atom Cu Catalyst for Efficient Free-Radical Hydrophosphinylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4321-4326.	6.6	32
24	Construction of Dual-Atom Fe via Face-to-Face Assembly of Molecular Phthalocyanine for Superior Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2022, 34, 5598-5606.	3.2	29
25	Controllable synthesis and electrocatalytic applications of atomically precise gold nanoclusters. <i>Nanoscale Advances</i> , 2021, 3, 6330-6341.	2.2	14
26	Synthesis of Nanosized Metal Sulfides Using Elemental Sulfur in Formamide: Implications for Energy Conversion and Optical Scenarios. <i>ACS Applied Nano Materials</i> , 2021, 4, 2357-2364.	2.4	6
27	Solvent Recyclable Synthesis of Nitrogen-Rich Nanotubes with Embedded CoFe Nanoparticles for Electrochemical Oxygen-Involving Reactions. <i>Energy Technology</i> , 0, , 2100957.	1.8	1