

Shuo Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,684
citations

279798

23
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

3408
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanoclusters Promote Electrocatalytic Water Oxidation at the Nanocluster/CoSe ₂ Interface. <i>Journal of the American Chemical Society</i> , 2017, 139, 1077-1080.	13.7	294
2	Opportunities and Challenges in CO ₂ Reduction by Gold- and Silver-Based Electrocatalysts: From Bulk Metals to Nanoparticles and Atomically Precise Nanoclusters. <i>ACS Energy Letters</i> , 2018, 3, 452-462.	17.4	269
3	Structure Determination of [Au ₁₈ (SR) ₁₄]. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3140-3144.	13.8	213
4	Ultrathin PtPdTe Nanowires as Superior Catalysts for Methanol Electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7472-7476.	13.8	206
5	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. <i>Nature Communications</i> , 2016, 7, 13240.	12.8	205
6	Atomically Tailored Gold Nanoclusters for Catalytic Application. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8291-8302.	13.8	200
7	Tri-icosahedral Gold Nanocluster [Au ₃₇ (PPh ₃) ₃] ₁₀ (SC ₂ H ₄ Ph) ₁₀ X ₂₆] as a Linear Assembly of Icosahedral Building Blocks. <i>ACS Nano</i> , 2015, 9, 8530-8536.	12.6	165
8	Mixed PtPd Shell PtPdCu Nanoparticle Nanotubes Templated from Copper Nanowires as Efficient and Highly Durable Electrocatalysts. <i>Advanced Energy Materials</i> , 2012, 2, 1182-1187.	19.5	164
9	Toward the Tailoring Chemistry of Metal Nanoclusters for Enhancing Functionalities. <i>Accounts of Chemical Research</i> , 2018, 51, 2764-2773.	15.6	163
10	Influence of Atomic-Level Morphology on Catalysis: The Case of Sphere and Rod-Like Gold Nanoclusters for CO ₂ Electroreduction. <i>ACS Catalysis</i> , 2018, 8, 4996-5001.	11.2	142
11	Atomically Precise Gold Nanoclusters Accelerate Hydrogen Evolution over MoS ₂ Nanosheets: The Dual Interfacial Effect. <i>Small</i> , 2017, 13, 1701519.	10.0	92
12	Elucidating the active sites for CO ₂ electroreduction on ligand-protected Au ₂₅ nanoclusters. <i>Catalysis Science and Technology</i> , 2018, 8, 3795-3805.	4.1	76
13	Atomically Tailored Gold Nanoclusters for Catalytic Application. <i>Angewandte Chemie</i> , 2019, 131, 8377-8388.	2.0	59
14	Structure Determination of [Au ₁₈ (SR) ₁₄]. <i>Angewandte Chemie</i> , 2015, 127, 3183-3187.	2.0	56
15	Interface Engineering of Gold Nanoclusters for CO Oxidation Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29425-29434.	8.0	53
16	All-thiolate-protected silver and silver-rich alloy nanoclusters with atomic precision: stable sizes, structural characterization and optical properties. <i>CrystEngComm</i> , 2016, 18, 3996-4005.	2.6	45
17	Oxidation-Induced Transformation of Eight-Electron Gold Nanoclusters: [Au ₂₃ (SR) ₁₆] ⁺ to [Au ₂₈ (SR) ₂₀] ⁰ . <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 866-870.	4.6	45
18	Controlling Ag-doping in [Ag _x Au _{25-x} (SC ₆ H ₁₁) ₁₈] ⁺ nanoclusters: cryogenic optical, electronic and electrocatalytic properties. <i>Nanoscale</i> , 2017, 9, 19183-19190.	1.8	43

#	ARTICLE	IF	CITATIONS
19	Ultrasmall Palladium Nanoclusters as Effective Catalyst for Oxygen Reduction Reaction. ChemElectroChem, 2016, 3, 1225-1229.	3.4	35
20	Controlling magnetism of Au ₁₃₃ (TBBT) ₅₂ nanoclusters at single electron level and implication for nonmetal to metal transition. Chemical Science, 2019, 10, 9684-9691.	7.4	35
21	Single-ligand exchange on an Au-Cu bimetal nanocluster and mechanism. Nanoscale, 2018, 10, 12093-12099.	5.6	30
22	Mechanistic insights from atomically precise gold nanocluster-catalyzed reduction of 4-nitrophenol. Progress in Natural Science: Materials International, 2016, 26, 483-486.	4.4	29
23	In situ reduction of well-dispersed nickel nanoparticles on hierarchical nickel silicate hollow nanofibers as a highly efficient transition metal catalyst. RSC Advances, 2016, 6, 32580-32585.	3.6	15
24	Understanding the Single Atom Doping Effects in Oxygen Reduction with Atomically Precise Metal Nanoclusters. Journal of Physical Chemistry C, 2021, 125, 24831-24836.	3.1	7
25	Atomically Precise Gold and Bimetal Nanoclusters as New Model Catalysts. Studies in Surface Science and Catalysis, 2017, 177, 359-408.	1.5	5
26	Fast and accurate prediction of spurious modes in aluminum nitride MEMS resonators using artificial neural network algorithm. , 2017, , .		3
27	Fast and accurate prediction of spurious modes in aluminum nitride MEMS resonators using artificial neural network algorithm. , 2017, , .		1