

Juanzhu Yan

List of Publications by Citations

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25
papers

2,198
citations

19
h-index

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g-index

25
ext. papers

2,562
ext. citations

12.8
avg, IF

5.13
L-index

#	Paper	IF	Citations
25	Surface Chemistry of Atomically Precise Coinage-Metal Nanoclusters: From Structural Control to Surface Reactivity and Catalysis. <i>Accounts of Chemical Research</i> , 2018 , 51, 3084-3093	24.3	278
24	Identifying the Molecular Structures of Intermediates for Optimizing the Fabrication of High-Quality Perovskite Films. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9919-26	16.4	203
23	Plasmonic twinned silver nanoparticles with molecular precision. <i>Nature Communications</i> , 2016 , 7, 12809	17.4	191
22	Total Structure and Electronic Structure Analysis of Doped Thiolated Silver [MAg ₂₄ (SR) ₁₈](²⁻) (M = Pd, Pt) Clusters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11880-3	16.4	186
21	Asymmetric Synthesis of Chiral Bimetallic [AgCu(SR)] Nanoclusters via Ion Pairing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12751-12754	16.4	154
20	Structural evolution of atomically precise thiolated bimetallic [Au(12+n)Cu(SR)(30+n)] _n (n = 0, 2, 4, 6) nanoclusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7197-200	16.4	128
19	Highly Site Selective Formal [5+2] and [4+2] Annulations of Isoxazoles with Heterosubstituted Alkynes by Platinum Catalysis: Rapid Access to Functionalized 1,3-Oxazepines and 2,5-Dihydropyridines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 605-609	16.4	126
18	Yttrium-Catalyzed Intramolecular Hydroalkoxylation/Claisen Rearrangement Sequence: Efficient Synthesis of Medium-Sized Lactams. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4015-4019	16.4	120
17	Divergent synthesis of N-heterocycles via controllable cyclization of azido-diyne catalyzed by copper and gold. <i>Nature Communications</i> , 2017 , 8, 1748	17.4	105
16	From Racemic Metal Nanoparticles to Optically Pure Enantiomers in One Pot. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16113-16116	16.4	82
15	High-yield synthesis and crystal structure of a green Au ₁₄ cluster co-capped by thiolate and sulfide. <i>Chemical Communications</i> , 2014 , 50, 14325-7	5.8	81
14	Embryonic Growth of Face-Center-Cubic Silver Nanoclusters Shaped in Nearly Perfect Half-Cubes and Cubes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 31-34	16.4	78
13	Atomically Precise, Thiolated Copper-Hydride Nanoclusters as Single-Site Hydrogenation Catalysts for Ketones in Mild Conditions. <i>ACS Nano</i> , 2019 , 13, 5975-5986	16.7	75
12	Ether-Soluble Cu Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 835-839	16.4	72
11	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. <i>Nature Communications</i> , 2018 , 9, 3357	17.4	69
10	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au Cu Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3421-3425	16.4	66
9	Microporous Cyclic Titanium-Oxo Clusters with Labile Surface Ligands. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16252-16256	16.4	59

8	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. <i>National Science Review</i> , 2018 , 5, 694-702	10.8	42
7	From Symmetry Breaking to Unraveling the Origin of the Chirality of Ligated Au ₁₃ Cu ₂ Nanoclusters. <i>Angewandte Chemie</i> , 2018 , 130, 3479-3483	3.6	19
6	Microporous Cyclic Titanium-Oxo Clusters with Labile Surface Ligands. <i>Angewandte Chemie</i> , 2017 , 129, 16470-16474	3.6	17
5	Supercubes, Supersquares, and Superrods of Face-Centered Cubes (FCC): Atomic and Electronic Requirements of [M(SR)(PR ₃) ₂] Nanoclusters (M = Coinage Metals) and Their Implications with Respect to Nucleation and Growth of FCC Metals. <i>Inorganic Chemistry</i> , 2017 , 56, 11470-11479	5.1	16
4	Peculiar holes on checkerboard facets of a trigonal prismatic AuAg(SPhCl)(PPh) cluster caused by steric hindrance and magic electron count. <i>Dalton Transactions</i> , 2017 , 46, 1757-1760	4.3	15
3	N-Methyl-2-pyrrolidone as an excellent coordinative additive with a wide operating range for fabricating high-quality perovskite films. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2458-2463	6.8	15
2	Targeting bone microenvironments for treatment and early detection of cancer bone metastatic niches. <i>Journal of Controlled Release</i> , 2021 , 341, 443-456	11.7	1
1	Ether-Soluble Cu ₅₃ Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie</i> , 2018 , 131, 845	3.6	0