

Qiaoli Chen

List of Publications by Year in descending order

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31
papers

4,105
citations

361413

20
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

5870
citing authors

#	ARTICLE	IF	CITATIONS
1	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 16174-16181.	13.7	852
2	Atomic-resolution transmission electron microscopy of electron beam-sensitive crystalline materials. <i>Science</i> , 2018, 359, 675-679.	12.6	374
3	Imaging defects and their evolution in a metal-organic framework at sub-unit-cell resolution. <i>Nature Chemistry</i> , 2019, 11, 622-628.	13.6	371
4	Platinum-nickel alloy excavated nano-multipods with hexagonal close-packed structure and superior activity towards hydrogen evolution reaction. <i>Nature Communications</i> , 2017, 8, 15131.	12.8	364
5	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrO _x Electrocatalysts for Oxygen Evolution in Acidic Media. <i>CheM</i> , 2019, 5, 445-459.	11.7	354
6	Unravelling surface and interfacial structures of a metal-organic framework by transmission electron microscopy. <i>Nature Materials</i> , 2017, 16, 532-536.	27.5	306
7	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 5201-5211.	13.7	287
8	Unique Excavated Rhombic Dodecahedral PtCu ₃ Alloy Nanocrystals Constructed with Ultrathin Nanosheets of High-Energy {110} Facets. <i>Journal of the American Chemical Society</i> , 2014, 136, 3748-3751.	13.7	226
9	Excavated octahedral Pt-Co alloy nanocrystals built with ultrathin nanosheets as superior multifunctional electrocatalysts for energy conversion applications. <i>Nano Energy</i> , 2017, 39, 582-589.	16.0	130
10	Excavated Cubic Platinum-Tin Alloy Nanocrystals Constructed from Ultrathin Nanosheets with Enhanced Electrocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9021-9025.	13.8	111
11	Well-faceted noble-metal nanocrystals with nonconvex polyhedral shapes. <i>Chemical Society Reviews</i> , 2016, 45, 3207-3220.	38.1	111
12	Molecular Scalpel to Chemically Cleave Metal-Organic Frameworks for Induced Phase Transition. <i>Journal of the American Chemical Society</i> , 2021, 143, 6681-6690.	13.7	103
13	Efficient Hot Electron Transfer from Small Au Nanoparticles. <i>Nano Letters</i> , 2020, 20, 4322-4329.	9.1	92
14	Pt Particle Size Affects Both the Charge Separation and Water Reduction Efficiencies of CdS-Pt Nanorod Photocatalysts for Light Driven H ₂ Generation. <i>Journal of the American Chemical Society</i> , 2022, 144, 2705-2715.	13.7	80
15	Wet chemical synthesis of intermetallic Pt ₃ Zn nanocrystals via weak reduction reaction together with UPD process and their excellent electrocatalytic performances. <i>Nanoscale</i> , 2014, 6, 7019-7024.	5.6	59
16	A facile surfactant-free synthesis of Rh flower-like nanostructures constructed from ultrathin nanosheets and their enhanced catalytic properties. <i>Nano Research</i> , 2016, 9, 849-856.	10.4	56
17	Synthesis and Visualization of Entangled 3D Covalent Organic Frameworks with High-Valency Stereoscopic Molecular Nodes for Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	42
18	Novel hydrogen storage properties of palladium nanocrystals activated by a pentagonal cyclic twinned structure. <i>Nano Research</i> , 2015, 8, 2698-2705.	10.4	33

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19	Composition-tunable synthesis of Pt@Cu octahedral alloy nanocrystals from PtCu to PtCu ₃ via underpotential-deposition-like process and their electro-catalytic properties. RSC Advances, 2015, 5, 18153-18158.	3.6	30
20	Excavated Cubic Platinum@Tin Alloy Nanocrystals Constructed from Ultrathin Nanosheets with Enhanced Electrocatalytic Activity. Angewandte Chemie, 2016, 128, 9167-9171.	2.0	20
21	Solvent-dependent evolution of cyclic penta-twinned rhodium icosahedral nanocrystals and their enhanced catalytic properties. Nano Research, 2018, 11, 656-664.	10.4	19
22	Cu ²⁺ underpotential-deposition assisted synthesis of Au and Au@Pd alloy nanocrystals with systematic shape evolution. CrystEngComm, 2015, 17, 5556-5561.	2.6	16
23	Rational design and synthesis of excavated trioctahedral Au nanocrystals. Nanoscale, 2015, 7, 10728-10734.	5.6	14
24	Nucleation-mediated synthesis and enhanced catalytic properties of Au@Pd bimetallic tripods and bipyramids with twinned structures and high-energy facets. Nanoscale, 2016, 8, 2819-2825.	5.6	14
25	Boosting the Electrocatalytic CO ₂ Reduction Reaction by Nanostructured Metal Materials via Defects Engineering. Nanomaterials, 2022, 12, 2389.	4.1	9
26	NIR-II Upconversion Photoluminescence of Er ³⁺ Doped LiYF ₄ and NaY(Gd)F ₄ Core-Shell Nanoparticles. Frontiers in Chemistry, 2021, 9, 690833.	3.6	8
27	Optimization of gold@palladium core-shell nanowires towards H ₂ O ₂ reduction by adjusting shell thickness. Nanoscale Advances, 2020, 2, 785-791.	4.6	7
28	Tailoring the Chemical Potential of Crystal Growth Units to Tune the Bulk Structure of Nanocrystals. Small Methods, 2021, 5, e2000447.	8.6	6
29	Concave nano-octahedral alloys: wet chemical synthesis of bimetallic Pt@Pd nanocrystals with high-index {hhl} Facets. Dalton Transactions, 2021, 50, 12083-12087.	3.3	6
30	Synthesis and Visualization of Entangled 3D Covalent Organic Frameworks with High-Valency Stereoscopic Molecular Nodes for Gas Separation. Angewandte Chemie, 2022, 134, .	2.0	4
31	Engineering the degree of concavity of one-dimensional Au@Cu alloy nanorods with partial intermetallic compounds by facile wet chemical synthesis. Dalton Transactions, 2022, 51, 7790-7796.	3.3	1