

Qiaoli Chen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

4,105
citations

361388

20
h-index

434170

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 Stereospecific 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 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 |