

Raffaella Buonsanti

List of Publications by Year in descending order

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118
papers

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docs citations

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times ranked

11140
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Modulating the Reactivity of Liquid Ga Nanoparticle Inks by Modifying Their Surface Chemistry. <i>Journal of the American Chemical Society</i> , 2022, 144, 1993-2001. | 6.6 | 20 |
| 2 | Investigation of Ethylene and Propylene Production from CO ₂ Reduction over Copper Nanocubes in an MEA-Type Electrolyzer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7779-7787. | 4.0 | 22 |
| 3 | Shaping Copper Nanocatalysts to Steer Selectivity in the Electrochemical CO ₂ Reduction Reaction. <i>Accounts of Chemical Research</i> , 2022, 55, 629-637. | 7.6 | 38 |
| 4 | Colloidal-ALD-Grown Hybrid Shells Nucleate via a Ligand-Precursor Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 3998-4008. | 6.6 | 12 |
| 5 | Well-Defined Copper-Based Nanocatalysts for Selective Electrochemical Reduction of CO ₂ to C ₂ Products. <i>ACS Energy Letters</i> , 2022, 7, 1284-1291. | 8.8 | 63 |
| 6 | Reaction intermediates in the synthesis of colloidal nanocrystals. , 2022, 1, 344-351. | | 13 |
| 7 | The Native Oxide Skin of Liquid Metal Ga Nanoparticles Prevents Their Rapid Coalescence during Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 10053-10063. | 6.6 | 26 |
| 8 | Copper Phosphonate Lamella Intermediates Control the Shape of Colloidal Copper Nanocrystals. <i>Journal of the American Chemical Society</i> , 2022, 144, 12261-12271. | 6.6 | 8 |
| 9 | Real-time Monitoring Reveals Dissolution/Redeposition Mechanism in Copper Nanocatalysts during the Initial Stages of the CO ₂ Reduction Reaction. <i>Angewandte Chemie</i> , 2021, 133, 1367-1374. | 1.6 | 25 |
| 10 | Real-time Monitoring Reveals Dissolution/Redeposition Mechanism in Copper Nanocatalysts during the Initial Stages of the CO ₂ Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1347-1354. | 7.2 | 108 |
| 11 | Colloidal Nanocrystals as Electrocatalysts with Tunable Activity and Selectivity. <i>ACS Catalysis</i> , 2021, 11, 1248-1295. | 5.5 | 51 |
| 12 | Colloidal Nanocrystals as Precursors and Intermediates in Solid State Reactions for Multinary Oxide Nanomaterials. <i>Accounts of Chemical Research</i> , 2021, 54, 754-764. | 7.6 | 11 |
| 13 | Magic clusters are better together. <i>Nature Materials</i> , 2021, 20, 580-581. | 13.3 | 1 |
| 14 | Synthetic Tunability of Colloidal Covalent Organic Framework/Nanocrystal Hybrids. <i>Chemistry of Materials</i> , 2021, 33, 2646-2654. | 3.2 | 15 |
| 15 | Elucidating the Facet-Dependent Selectivity for CO ₂ Electroreduction to Ethanol of Cu-Ag Tandem Catalysts. <i>ACS Catalysis</i> , 2021, 11, 4456-4463. | 5.5 | 130 |
| 16 | Copper Nanocrystal Morphology Determines the Viability of Molecular Surface Functionalization in Tuning Electrocatalytic Behavior in CO ₂ Reduction. <i>Inorganic Chemistry</i> , 2021, 60, 6939-6945. | 1.9 | 3 |
| 17 | The Inorganic Chemistry of Nanoparticles. <i>Inorganic Chemistry</i> , 2021, 60, 4179-4181. | 1.9 | 0 |
| 18 | Emerging collaborations at the forefront of growth in electrochemical synthesis. <i>IScience</i> , 2021, 24, 102639. | 1.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Ligand Locking on Quantum Dot Surfaces via a Mild Reactive Surface Treatment. <i>Journal of the American Chemical Society</i> , 2021, 143, 13418-13427. | 6.6 | 14 |
| 20 | Developing the Chemistry of Colloidal Cu Nanocrystals to Advance the CO ₂ Electrochemical Reduction. <i>Chimia</i> , 2021, 75, 598-604. | 0.3 | 0 |
| 21 | Copper, my precious!. <i>Nature Catalysis</i> , 2021, 4, 736-737. | 16.1 | 17 |
| 22 | Deriving value from CO ₂ : From catalyst design to industrial implementation. <i>Chem Catalysis</i> , 2021, 1, 751-753. | 2.9 | 4 |
| 23 | Photoluminescence emission induced by localized states in halide-passivated colloidal two-dimensional WS ₂ nanoflakes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2398-2407. | 2.7 | 3 |
| 24 | Elucidating the structure-dependent selectivity of CuZn towards methane and ethanol in CO ₂ electroreduction using tailored Cu/ZnO precatalysts. <i>Chemical Science</i> , 2021, 12, 14484-14493. | 3.7 | 37 |
| 25 | Theory-Guided Enhancement of CO ₂ Reduction to Ethanol on Ag-Cu Tandem Catalysts via Particle-Size Effects. <i>ACS Catalysis</i> , 2021, 11, 13330-13336. | 5.5 | 34 |
| 26 | Shaping non-noble metal nanocrystals <i>via</i> colloidal chemistry. <i>Chemical Science</i> , 2020, 11, 11394-11403. | 3.7 | 17 |
| 27 | Ligand-mediated formation of Cu/metal oxide hybrid nanocrystals with tunable number of interfaces. <i>Chemical Science</i> , 2020, 11, 13094-13101. | 3.7 | 10 |
| 28 | Colloidal Synthesis of Cu-M-S (M = V, Cr, Mn) Nanocrystals by Tuning the Copper Precursor Reactivity. <i>Chemistry of Materials</i> , 2020, 32, 9780-9786. | 3.2 | 15 |
| 29 | Atomic Control in Multicomponent Nanomaterials: when Colloidal Chemistry Meets Atomic Layer Deposition. , 2020, 2, 1182-1202. | | 8 |
| 30 | Exploring the Chemical Reactivity of Gallium Liquid Metal Nanoparticles in Galvanic Replacement. <i>Journal of the American Chemical Society</i> , 2020, 142, 19283-19290. | 6.6 | 54 |
| 31 | Suitability of Cu-substituted \hat{I}^2 -Mn ₂ V ₂ O ₇ and Mn-substituted \hat{I}^2 -Cu ₂ V ₂ O ₇ for photocatalytic water-splitting. <i>Journal of Chemical Physics</i> , 2020, 153, 084704. | 1.2 | 11 |
| 32 | Nanocrystals as Precursors in Solid-State Reactions for Size- and Shape-Controlled Polyelemental Nanomaterials. <i>Journal of the American Chemical Society</i> , 2020, 142, 15931-15940. | 6.6 | 21 |
| 33 | Metal-ligand bond strength determines the fate of organic ligands on the catalyst surface during the electrochemical CO ₂ reduction reaction. <i>Chemical Science</i> , 2020, 11, 9296-9302. | 3.7 | 35 |
| 34 | Optimizing the Atomic Layer Deposition of Alumina on Perovskite Nanocrystal Films by Using O ₂ As a Molecular Probe. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000055. | 1.0 | 8 |
| 35 | Polymer Lamellae as Reaction Intermediates in the Formation of Copper Nanospheres as Evidenced by In-situ X-ray Studies. <i>Angewandte Chemie</i> , 2020, 132, 11724-11730. | 1.6 | 3 |
| 36 | Long-Range Exciton Diffusion in Two-Dimensional Assemblies of Cesium Lead Bromide Perovskite Nanocrystals. <i>ACS Nano</i> , 2020, 14, 6999-7007. | 7.3 | 57 |

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|----|--|------|-----------|
| 37 | Checking in with Women Materials Scientists During a Global Pandemic: May 2020. <i>Chemistry of Materials</i> , 2020, 32, 4859-4862. | 3.2 | 3 |
| 38 | Stability and Degradation Mechanisms of Copper-Based Catalysts for Electrochemical CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 14844-14854. | 1.6 | 88 |
| 39 | Stability and Degradation Mechanisms of Copper-Based Catalysts for Electrochemical CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14736-14746. | 7.2 | 281 |
| 40 | Facet-Dependent Selectivity of Cu Catalysts in Electrochemical CO ₂ Reduction at Commercially Viable Current Densities. <i>ACS Catalysis</i> , 2020, 10, 4854-4862. | 5.5 | 331 |
| 41 | Polymer Lamellae as Reaction Intermediates in the Formation of Copper Nanospheres as Evidenced by In-Situ X-ray Studies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11627-11633. | 7.2 | 12 |
| 42 | Tunable Metal Oxide Shell as a Spacer to Study Energy Transfer in Semiconductor Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3430-3435. | 2.1 | 13 |
| 43 | Dual-Facet Mechanism in Copper Nanocubes for Electrochemical CO ₂ Reduction into Ethylene. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4259-4265. | 2.1 | 52 |
| 44 | Nanocrystal/Metal-Organic Framework Hybrids as Electrocatalytic Platforms for CO ₂ Conversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12632-12639. | 7.2 | 112 |
| 45 | Nanocrystal/Metal-Organic Framework Hybrids as Electrocatalytic Platforms for CO ₂ Conversion. <i>Angewandte Chemie</i> , 2019, 131, 12762-12769. | 1.6 | 23 |
| 46 | A solid advance in electrolytes. <i>Nature Energy</i> , 2019, 4, 728-729. | 19.8 | 9 |
| 47 | Insights into Reaction Intermediates to Predict Synthetic Pathways for Shape-Controlled Metal Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 16312-16322. | 6.6 | 47 |
| 48 | Universal Oxide Shell Growth Enables in Situ Structural Studies of Perovskite Nanocrystals during the Anion Exchange Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 8254-8263. | 6.6 | 92 |
| 49 | Size dependent selectivity of Cu nano-octahedra catalysts for the electrochemical reduction of CO ₂ to CH ₄ . <i>Chemical Communications</i> , 2019, 55, 8796-8799. | 2.2 | 99 |
| 50 | Synthesis of Cu/CeO _{2-x} Nanocrystalline Heterodimers with Interfacial Active Sites To Promote CO ₂ Electroreduction. <i>ACS Catalysis</i> , 2019, 9, 5035-5046. | 5.5 | 124 |
| 51 | Understanding the mechanism of metal-induced degradation in perovskite nanocrystals. <i>Nanoscale</i> , 2019, 11, 19543-19550. | 2.8 | 12 |
| 52 | Exploring Energy Transfer in a Metal/Perovskite Nanocrystal Antenna to Drive Photocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7797-7803. | 2.1 | 17 |
| 53 | Molecular tunability of surface-functionalized metal nanocrystals for selective electrochemical CO ₂ reduction. <i>Chemical Science</i> , 2019, 10, 10356-10365. | 3.7 | 54 |
| 54 | Synthesis and Size-Dependent Optical Properties of Intermediate Band Gap Cu ₃ VS ₄ Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 532-540. | 3.2 | 39 |

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|----|--|-----|-----------|
| 55 | Structural Sensitivities in Bimetallic Catalysts for Electrochemical CO ₂ Reduction Revealed by Ag@Cu Nanodimers. <i>Journal of the American Chemical Society</i> , 2019, 141, 2490-2499. | 6.6 | 382 |
| 56 | Colloidal Nanocrystals as Heterogeneous Catalysts for Electrochemical CO ₂ Conversion. <i>Chemistry of Materials</i> , 2019, 31, 13-25. | 3.2 | 91 |
| 57 | Modulation of Carrier Type in Nanocrystal-in-Matrix Composites by Interfacial Doping. <i>Chemistry of Materials</i> , 2018, 30, 2544-2549. | 3.2 | 1 |
| 58 | Assembly of $\text{Cu}_2\text{VO}_7/\text{WO}_3$ heterostructured nanocomposites and the impact of their composition on structure and photoelectrochemical properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12062-12069. | 2.7 | 9 |
| 59 | Sizable Excitonic Effects Undermining the Photocatalytic Efficiency of Cu_2VO_7 . <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5698-5703. | 2.1 | 24 |
| 60 | Chemical transformations at the nanoscale: nanocrystal-seeded synthesis of Cu_2VO_7 with enhanced photoconversion efficiencies. <i>Chemical Science</i> , 2018, 9, 5658-5665. | 3.7 | 27 |
| 61 | Selective and Stable Electroreduction of CO ₂ to CO at the Copper/Indium Interface. <i>ACS Catalysis</i> , 2018, 8, 6571-6581. | 5.5 | 175 |
| 62 | Quantitative 3D determination of self-assembled structures on nanoparticles using small angle neutron scattering. <i>Nature Communications</i> , 2018, 9, 1343. | 5.8 | 54 |
| 63 | Potential-induced nanoclustering of metallic catalysts during electrochemical CO ₂ reduction. <i>Nature Communications</i> , 2018, 9, 3117. | 5.8 | 253 |
| 64 | Colloidal nanocrystals for photoelectrochemical and photocatalytic water splitting. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 074006. | 1.3 | 25 |
| 65 | Probing interfacial energetics and charge transfer kinetics in semiconductor nanocomposites: New insights into heterostructured TiO ₂ /BiVO ₄ photoanodes. <i>Nano Energy</i> , 2017, 34, 375-384. | 8.2 | 36 |
| 66 | CsPbBr ₃ QD/AlO _x Inorganic Nanocomposites with Exceptional Stability in Water, Light, and Heat. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10696-10701. | 7.2 | 389 |
| 67 | CsPbBr ₃ QD/AlO _x Inorganic Nanocomposites with Exceptional Stability in Water, Light, and Heat. <i>Angewandte Chemie</i> , 2017, 129, 10836-10841. | 1.6 | 25 |
| 68 | InnenrÄ¼cktitelbild: CsPbBr ₃ QD/AlO _x Inorganic Nanocomposites with Exceptional Stability in Water, Light, and Heat (<i>Angew. Chem.</i> 36/2017). <i>Angewandte Chemie</i> , 2017, 129, 11099-11099. | 1.6 | 3 |
| 69 | Tailoring Copper Nanocrystals towards C ₂ Products in Electrochemical CO ₂ Reduction. <i>Angewandte Chemie</i> , 2016, 128, 5883-5886. | 1.6 | 90 |
| 70 | Tailoring Copper Nanocrystals towards C ₂ Products in Electrochemical CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5789-5792. | 7.2 | 667 |
| 71 | Colloidal Chemistry to Advance Studies in Artificial Photosynthesis. <i>Chimia</i> , 2016, 70, 780. | 0.3 | 1 |
| 72 | Understanding the Formation Mechanism of Metal Nanocrystal@MOF-74 Hybrids. <i>Chemistry of Materials</i> , 2016, 28, 3839-3849. | 3.2 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Bandgap Tunability in Sb-Alloyed BiVO ₄ Quaternary Oxides as Visible Light Absorbers for Solar Fuel Applications. <i>Advanced Materials</i> , 2015, 27, 6733-6740. | 11.1 | 38 |
| 74 | Stabilization of Battery Electrode/Electrolyte Interfaces Employing Nanocrystals with Passivating Epitaxial Shells. <i>Chemistry of Materials</i> , 2015, 27, 394-399. | 3.2 | 17 |
| 75 | Fabrication of Planar Heterojunction Perovskite Solar Cells by Controlled Low-Pressure Vapor Annealing. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 493-499. | 2.1 | 112 |
| 76 | Colloidal Nanocrystal Frameworks. <i>Advanced Materials</i> , 2015, 27, 5820-5829. | 11.1 | 19 |
| 77 | Substitutional or Interstitial Site-Selective Nitrogen Doping in TiO ₂ Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7443-7452. | 1.5 | 118 |
| 78 | Nanocrystal Superlattice Embedded within an Inorganic Semiconducting Matrix by in Situ Ligand Exchange: Fabrication and Morphology. <i>Chemistry of Materials</i> , 2015, 27, 2755-2758. | 3.2 | 10 |
| 79 | Sub-micron Polymer-Zeolitic Imidazolate Framework Layered Hybrids via Controlled Chemical Transformation of Naked ZnO Nanocrystal Films. <i>Chemistry of Materials</i> , 2015, 27, 7673-7679. | 3.2 | 45 |
| 80 | Constructing Functional Mesostructured Materials from Colloidal Nanocrystal Building Blocks. <i>Accounts of Chemical Research</i> , 2014, 47, 236-246. | 7.6 | 50 |
| 81 | NIR-Selective electrochromic heteromaterial frameworks: a platform to understand mesoscale transport phenomena in solid-state electrochemical devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3328. | 2.7 | 53 |
| 82 | Synthesis and Phase Stability of Metastable Bixbyite V ₂ O ₃ Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 3172-3179. | 3.2 | 40 |
| 83 | Nb-Doped Colloidal TiO ₂ Nanocrystals with Tunable Infrared Absorption. <i>Chemistry of Materials</i> , 2013, 25, 3383-3390. | 3.2 | 177 |
| 84 | Chemistry of Doped Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1305-1317. | 3.2 | 310 |
| 85 | Near-Infrared Spectrally Selective Plasmonic Electrochromic Thin Films. <i>Advanced Optical Materials</i> , 2013, 1, 215-220. | 3.6 | 123 |
| 86 | Carbon-Free TiO ₂ Battery Electrodes Enabled by Morphological Control at the Nanoscale. <i>Advanced Energy Materials</i> , 2013, 3, 1286-1291. | 10.2 | 41 |
| 87 | Evolution of Ordered Metal Chalcogenide Architectures through Chemical Transformations. <i>Journal of the American Chemical Society</i> , 2013, 135, 7446-7449. | 6.6 | 30 |
| 88 | Nanocomposites of Titanium Dioxide and Polystyrene-Poly(ethylene oxide) Block Copolymer as Solid-State Electrolytes for Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1611-A1617. | 1.3 | 96 |
| 89 | Assembly of Ligand-Stripped Nanocrystals into Precisely Controlled Mesoporous Architectures. <i>Nano Letters</i> , 2012, 12, 3872-3877. | 4.5 | 88 |
| 90 | Efficient polymer passivation of ligand-stripped nanocrystal surfaces. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3719-3727. | 2.5 | 18 |

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| 91 | General Method for the Synthesis of Hierarchical Nanocrystal-Based Mesoporous Materials. ACS Nano, 2012, 6, 6386-6399. | 7.3 | 85 |
| 92 | Exceptionally Mild Reactive Stripping of Native Ligands from Nanocrystal Surfaces by Using Meerwein's Salt. Angewandte Chemie - International Edition, 2012, 51, 684-689. | 7.2 | 240 |
| 93 | Tunneling Magnetoresistance with Sign Inversion in Junctions Based on Iron Oxide Nanocrystal Superlattices. ACS Nano, 2011, 5, 1731-1738. | 7.3 | 34 |
| 94 | Hyperbranched Anatase TiO ₂ Nanocrystals: Nonaqueous Synthesis, Growth Mechanism, and Exploitation in Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2011, 133, 19216-19239. | 6.6 | 110 |
| 95 | Dynamically Modulating the Surface Plasmon Resonance of Doped Semiconductor Nanocrystals. Nano Letters, 2011, 11, 4415-4420. | 4.5 | 491 |
| 96 | High-quality photoelectrodes based on shape-tailored TiO ₂ nanocrystals for dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 13371. | 6.7 | 33 |
| 97 | Tunable Infrared Absorption and Visible Transparency of Colloidal Aluminum-Doped Zinc Oxide Nanocrystals. Nano Letters, 2011, 11, 4706-4710. | 4.5 | 443 |
| 98 | Polyoxometalates and colloidal nanocrystals as building blocks for metal oxide nanocomposite films. Journal of Materials Chemistry, 2011, 21, 11631. | 6.7 | 70 |
| 99 | Correlating Magneto-Structural Properties to Hyperthermia Performance of Highly Monodisperse Iron Oxide Nanoparticles Prepared by a Seeded-Growth Route. Chemistry of Materials, 2011, 23, 4170-4180. | 3.2 | 134 |
| 100 | Formation and microscopic investigation of iron oxide aligned nanowires into polymeric nanocomposite films. Microscopy Research and Technique, 2010, 73, 952-958. | 1.2 | 11 |
| 101 | Dynamical Formation of Spatially Localized Arrays of Aligned Nanowires in Plastic Films with Magnetic Anisotropy. ACS Nano, 2010, 4, 1873-1878. | 7.3 | 87 |
| 102 | Architectural Control of Seeded-Grown Magnetic Semiconductor Iron Oxide/TiO ₂ Nanorod Heterostructures: The Role of Seeds in Topology Selection. Journal of the American Chemical Society, 2010, 132, 2437-2464. | 6.6 | 139 |
| 103 | Magnetic-Fluorescent Colloidal Nanobeads: Preparation and Exploitation in Cell Separation Experiments. Macromolecular Bioscience, 2009, 9, 952-958. | 2.1 | 66 |
| 104 | Size, Shape, and Internal Atomic Ordering of Nanocrystals by Atomic Pair Distribution Functions: A Comparative Study of ⁵⁷ Fe ₂ O ₃ Nanosized Spheres and Tetrapods. Journal of the American Chemical Society, 2009, 131, 14264-14266. | 6.6 | 59 |
| 105 | Colloidal semiconductor/magnetic heterostructures based on iron-oxide-functionalized brookite TiO ₂ nanorods. Physical Chemistry Chemical Physics, 2009, 11, 3680. | 1.3 | 48 |
| 106 | Colloidal Strategies for Preparing Oxide-Based Hybrid Nanocrystals. European Journal of Inorganic Chemistry, 2008, 2008, 837-854. | 1.0 | 175 |
| 107 | Water solubilization of hydrophobic nanocrystals by means of poly(maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (anhy | 6.7 | 133 |
| 108 | Nonhydrolytic Synthesis of High-Quality Anisotropically Shaped Brookite TiO ₂ Nanocrystals. Journal of the American Chemical Society, 2008, 130, 11223-11233. | 6.6 | 247 |

| # | ARTICLE | IF | CITATIONS |
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| 109 | Advances in the Chemical Fabrication of Complex Multimaterial Nanocrystals. Recent Patents on Nanotechnology, 2007, 1, 224-232. | 0.7 | 14 |
| 110 | Seeded Growth of Asymmetric Binary Nanocrystals Made of a Semiconductor TiO ₂ Rodlike Section and a Magnetic Fe_3O_4 Spherical Domain. Journal of the American Chemical Society, 2006, 128, 16953-16970. | 6.6 | 163 |
| 111 | Metal oxide shells for quantum dots by colloidal atomic layer deposition. , 0, , . | | 0 |
| 112 | Mechanistic insights into the formation of Cu nanocrystals pave the way towards better catalysts to reduce CO ₂ . , 0, , . | | 0 |
| 113 | Nanocrystal/Metal-Organic Framework Hybrids as Electrocatalytic Platform for CO ₂ Conversion. , 0, , . | | 0 |
| 114 | Facet Dependent Reactivity of Copper Nanocrystals for Electrochemical CO ₂ Reduction to Valuable Products. , 0, , . | | 0 |
| 115 | Metal Oxide Shell to Study Nanoscale Phenomena in Perovskite Quantum Dots. , 0, , . | | 0 |
| 116 | Shape-controlled nanocrystals to unlock selectivity pathways in the electrochemical CO ₂ reduction reaction. , 0, , . | | 0 |
| 117 | Size Dependent Product Selectivity for Shape-Controlled Ag/Cu Tandem Catalysts. , 0, , . | | 0 |
| 118 | Crystal-Phase Control of Ternary Metal Oxides by Solid-State Synthesis with Nanocrystals. ACS Nanoscience Au, 0, , . | 2.0 | 3 |