# Narayan Pradhan

List of Publications by Year
in descending order



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|---|---|---|---|
| 134 papers | 11,195 citations | 31976 53 h-index | 29157 104 g-index |
| 142 all docs | 142 docs citations | 142 times ranked | 10062 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981. | 14.6 | 705 |
| 2 | An Alternative of CdSe Nanocrystal Emitters:â€‰ Pure and Tunable Impurity Emissions in ZnSe Nanocrystals. Journal of the American Chemical Society, 2005, 127, 17586-17587. | 13.7 | 667 |
| 3 | Efficient and Color-Tunable Mn-Doped ZnSe Nanocrystal Emitters:Â Control of Optical Performance via Greener Synthetic Chemistry. Journal of the American Chemical Society, 2007, 129, 3339-3347. | 13.7 | 570 |
| 4 | Efficient, Stable, Small, and Water-Soluble Doped ZnSe Nanocrystal Emitters as Non-Cadmium Biomedical Labels. Nano Letters, 2007, 7, 312-317. | 9.1 | 435 |
| 5 | Doping Mn<sup>2+</sup> in Lead Halide Perovskite Nanocrystals: Successes and Challenges. ACS Energy Letters, 2017, 2, 1014-1021. | 17.4 | 349 |
| 6 | High Quality ZnSe and ZnS Nanocrystals Formed by Activating Zinc Carboxylate Precursors. Nano Letters, 2004, 4, 2261-2264. | 9.1 | 335 |
| 7 | Formation of Nearly Monodisperse In2O3Nanodots and Oriented-Attached Nanoflowers:Â Hydrolysis and Alcoholysis vs Pyrolysis. Journal of the American Chemical Society, 2006, 128, 10310-10319. | 13.7 | 294 |
| 8 | Developments of Metal Phosphides as Efficient OER Precatalysts. Journal of Physical Chemistry Letters, 2017, 8, 144-152. | 4.6 | 290 |
| 9 | Doping Cu in Semiconductor Nanocrystals: Some Old and Some New Physical Insights. Journal of the American Chemical Society, 2011, 133, 1007-1015. | 13.7 | 289 |
| 10 | Colloidal CdSe Quantum Wires by Oriented Attachment. Nano Letters, 2006, 6, 720-724. | 9.1 | 277 |
| 11 | Surface Ligand Dynamics in Growth of Nanocrystals. Journal of the American Chemical Society, 2007, 129, 9500-9509. | 13.7 | 274 |
| 12 | Metal Semiconductor Heterostructures for Photocatalytic Conversion of Light Energy. Journal of Physical Chemistry Letters, 2015, 6, 936-944. | 4.6 | 255 |
| 13 | Surface-Oxidized Dicobalt Phosphide Nanoneedles as a Nonprecious, Durable, and Efficient OER Catalyst. ACS Energy Letters, 2016, 1, 169-174. | 17.4 | 251 |
| 14 | Nearâ€Unity Photoluminescence Quantum Efficiency for All CsPbX<sub>3</sub> (X=Cl, Br, and I) Perovskite Nanocrystals: A Generic Synthesis Approach. Angewandte Chemie - International Edition, 2019, 58, 5552-5556. | 13.8 | 244 |
| 15 | Advances in Light-Emitting Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 2818-2826. | 4.6 | 230 |
| 16 | Luminescence, Plasmonic, and Magnetic Properties of Doped Semiconductor Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 7038-7054. | 13.8 | 211 |
| 17 | Highly Luminescent Mn-Doped ZnS Nanocrystals: Gram-Scale Synthesis. Journal of Physical Chemistry Letters, 2010, 1, 1454-1458. | 4.6 | 192 |
| 18 | Chemically Tailoring the Dopant Emission in Manganeseâ€Doped CsPbCl<sub>3</sub> Perovskite Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 8746-8750. | 13.8 | 177 |

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|---|---|---|---|
| 19 | Single-Precursor, One-Pot Versatile Synthesis under near Ambient Conditions of Tunable, Single and Dual Band Fluorescing Metal Sulfide Nanoparticles. Journal of the American Chemical Society, 2003, 125, 2050-2051. | 13.7 | 167 |
| 20 | Phaseâ€Stable CsPbI<sub>3</sub> Nanocrystals: The Reaction Temperature Matters. Angewandte Chemie - International Edition, 2018, 57, 9083-9087. | 13.8 | 157 |
| 21 | Tuning the Size of CsPbBr<sub>3</sub> Nanocrystals: All at One Constant Temperature. ACS Energy Letters, 2018, 3, 329-334. | 17.4 | 151 |
| 22 | Photocatalytic Auâ€"Bi<sub>2</sub>S<sub>3</sub> Heteronanostructures. Angewandte Chemie - International Edition, 2014, 53, 6743-6746. | 13.8 | 144 |
| 23 | From Large-Scale Synthesis to Lighting Device Applications of Ternary Iâ€"IIIâ€"VI Semiconductor Nanocrystals: Inspiring Greener Material Emitters. Journal of Physical Chemistry Letters, 2018, 9, 435-445. | 4.6 | 136 |
| 24 | Phase-Stable Red-Emitting CsPbI<sub>3</sub> Nanocrystals: Successes and Challenges. ACS Energy Letters, 2019, 4, 709-719. | 17.4 | 135 |
| 25 | An Alternate Route to High-Quality ZnSe and Mn-Doped ZnSe Nanocrystals. Journal of Physical Chemistry Letters, 2010, 1, 485-488. | 4.6 | 117 |
| 26 | Perovskite Nanocrystal Heterostructures: Synthesis, Optical Properties, and Applications. ACS Energy Letters, 2020, 5, 2858-2872. | 17.4 | 107 |
| 27 | Dotâ€"Wireâ€"Plateletâ€"Cube: Step Growth and Structural Transformations in CsPbBr<sub>3</sub> Perovskite Nanocrystals. ACS Energy Letters, 2018, 3, 2014-2020. | 17.4 | 106 |
| 28 | Insights of Doping and the Photoluminescence Properties of Mn-Doped Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 2250-2257. | 4.6 | 106 |
| 29 | Blue-Emitting CsPbCl<sub>3</sub> Nanocrystals: Impact of Surface Passivation for Unprecedented Enhancement and Loss of Optical Emission. Journal of Physical Chemistry Letters, 2018, 9, 6884-6891. | 4.6 | 101 |
| 30 | Mn-Doped Multinary CIZS and AIZS Nanocrystals. Journal of Physical Chemistry Letters, 2012, 3, 2528-2534. | 4.6 | 98 |
| 31 | Thermally Controlled Cyclic Insertion/Ejection of Dopant Ions and Reversible Zinc Blende/Wurtzite Phase Changes in ZnS Nanostructures. Journal of the American Chemical Society, 2011, 133, 1666-1669. | 13.7 | 96 |
| 32 | Supercrystals of Uniform Nanorods and Nanowires, and the Nanorod-to-Nanowire Oriented Transition. Journal of Physical Chemistry B, 2004, 108, 11964-11970. | 2.6 | 94 |
| 33 | Doping Iron in CsPbBr<sub>3</sub> Perovskite Nanocrystals for Efficient and Product Selective CO<sub>2</sub> Reduction. Journal of Physical Chemistry Letters, 2019, 10, 7965-7969. | 4.6 | 94 |
| 34 | Semiconducting and Plasmonic Copper Phosphide Platelets. Angewandte Chemie - International Edition, 2013, 52, 6762-6766. | 13.8 | 90 |
| 35 | Synthesis of Micrometer Length Indium Sulfide Nanosheets and Study of Their Dopant Induced Photoresponse Properties. Chemistry of Materials, 2012, 24, 1779-1785. | 6.7 | 87 |
| 36 | Limiting Heterovalent B-Site Doping in CsPbI<sub>3</sub> Nanocrystals: Phase and Optical Stability. ACS Energy Letters, 2019, 4, 1364-1369. | 17.4 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Arm Growth and Facet Modulation in Perovskite Nanocrystals. Journal of the American Chemical Society, 2019, 141, 16160-16168. | 13.7 | 84 |
| 38 | Î±-Halo Ketone for Polyhedral Perovskite Nanocrystals: Evolutions, Shape Conversions, Ligand Chemistry, and Self-Assembly. Journal of the American Chemical Society, 2020, 142, 20865-20874. | 13.7 | 84 |
| 39 | Correlation of Dopant States and Host Bandgap in Dual-Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 1747-1752. | 4.6 | 83 |
| 40 | Halide Perovskite Nanocrystal Photocatalysts for CO<sub>2</sub> Reduction: Successes and Challenges. Journal of Physical Chemistry Letters, 2020, 11, 6921-6934. | 4.6 | 82 |
| 41 | Tips and Twists in Making High Photoluminescence Quantum Yield Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 1634-1638. | 17.4 | 78 |
| 42 | Synergistic Effect of Inactive Iron Oxide Core on Active Nickel Phosphide Shell for Significant Enhancement in Oxygen Evolution Reaction Activity. ACS Energy Letters, 2018, 3, 141-148. | 17.4 | 74 |
| 43 | Doping Mn<sup>2+</sup> in Single-Crystalline Layered Perovskite Microcrystals. ACS Energy Letters, 2019, 4, 343-351. | 17.4 | 74 |
| 44 | Multifunctional Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2012, 3, 2535-2540. | 4.6 | 70 |
| 45 | Annealing CsPbX<sub>3</sub> (X = Cl and Br) Perovskite Nanocrystals at High Reaction Temperatures: Phase Change and Its Prevention. Journal of Physical Chemistry Letters, 2018, 9, 6599-6604. | 4.6 | 69 |
| 46 | Presence of Metal Chloride for Minimizing the Halide Deficiency and Maximizing the Doping Efficiency in Mn(II)-Doped CsPbCl<sub>3</sub> Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 1530-1536. | 4.6 | 66 |
| 47 | Layered Perovskites L<sub>2</sub>(Pb<sub>1â€"<i>x</i></sub>Mn<sub><i>x</i></sub>)Cl<sub>4</sub> to Mn-Doped CsPbCl<sub>3</sub> Perovskite Platelets. ACS Energy Letters, 2018, 3, 1247-1253. | 17.4 | 65 |
| 48 | Facets and Defects in Perovskite Nanocrystals for Photocatalytic CO<sub>2</sub> Reduction. Journal of Physical Chemistry Letters, 2020, 11, 3608-3614. | 4.6 | 64 |
| 49 | Hybrid Dotâ€"Disk Au-CuInS<sub>2</sub> Nanostructures as Active Photocathode for Efficient Evolution of Hydrogen from Water. Chemistry of Materials, 2016, 28, 4358-4366. | 6.7 | 62 |
| 50 | Au-SnS Hetero Nanostructures: Size of Au Matters. Chemistry of Materials, 2014, 26, 7194-7200. | 6.7 | 60 |
| 51 | Mn-Doped Semiconductor Nanocrystals: 25 Years and Beyond. Journal of Physical Chemistry Letters, 2019, 10, 2574-2577. | 4.6 | 60 |
| 52 | Redâ€Tuned Mn dâ€"d Emission in Doped Semiconductor Nanocrystals. ChemPhysChem, 2016, 17, 1087-1094. | 2.1 | 59 |
| 53 | Nearâ€Unity Photoluminescence Quantum Efficiency for All CsPbX 3 (X=Cl, Br, and I) Perovskite Nanocrystals: A Generic Synthesis Approach. Angewandte Chemie, 2019, 131, 5608-5612. | 2.0 | 57 |
| 54 | Coincident Site Epitaxy at the Junction of Auâ€"Cu<sub>2</sub>ZnSnS<sub>4</sub> Heteronanostructures. Chemistry of Materials, 2015, 27, 650-657. | 6.7 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Alkylammonium Halides for Facet Reconstruction and Shape Modulation in Lead Halide Perovskite Nanocrystals. Accounts of Chemical Research, 2021, 54, 1200-1208. | 15.6 | 54 |
| 56 | Doping the Smallest Shannon Radii Transition Metal Ion Ni(II) for Stabilizing Î±-CsPbI<sub>3</sub> Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 7916-7921. | 4.6 | 53 |
| 57 | Dark Self-Healing-Mediated Negative Photoconductivity of a Lead-Free Cs<sub>3</sub>Bi<sub>2</sub>Cl<sub>9</sub> Perovskite Single Crystal. Journal of Physical Chemistry Letters, 2021, 12, 2286-2292. | 4.6 | 51 |
| 58 | Size dependence of nonlinear optical absorption and refraction of Mn-doped ZnSe nanocrystals. Applied Physics Letters, 2007, 91, 201103. | 3.3 | 50 |
| 59 | Doped Semiconductor Nanocrystals and Organic Dyes: An Efficient and Greener FRET System. Journal of Physical Chemistry Letters, 2010, 1, 636-640. | 4.6 | 50 |
| 60 | Tuning the Emission Colors of Semiconductor Nanocrystals Beyond their Bandgap Tunability: All in the Dope. Small, 2013, 9, 3753-3758. | 10.0 | 50 |
| 61 | Lightâ€Emitting Metalâ€"Organic Halide 1D and 2D Structures: Nearâ€Unity Quantum Efficiency, Lowâ€Loss Optical Waveguide and Highly Polarized Emission. Angewandte Chemie - International Edition, 2021, 60, 13548-13553. | 13.8 | 50 |
| 62 | Material Diffusion and Doping of Mn in Wurtzite ZnSe Nanorods. Journal of Physical Chemistry C, 2013, 117, 6006-6012. | 3.1 | 48 |
| 63 | Doping Mn(II) in All-Inorganic Ruddlesdenâ€"Popper Phase of Tetragonal Cs<sub>2</sub>PbCl<sub>2</sub>I<sub>2</sub> Perovskite Nanoplatelets. Journal of Physical Chemistry Letters, 2019, 10, 1954-1959. | 4.6 | 45 |
| 64 | Solvent Polarity: How Does This Influence the Precursor Activation, Reaction Rate, Crystal Growth, and Doping in Perovskite Nanocrystals?. ACS Energy Letters, 2019, 4, 926-932. | 17.4 | 44 |
| 65 | Color Tunable Selfâ€Trapped Emissions from Leadâ€Free All Inorganic IAâ€IB Bimetallic Halides Csâ€Agâ€X (X = Cl,) Tj ETQq1 1 0.784 3 | 10.0 | 44 |
| 66 | Zinc Blende 0D Quantum Dots to Wurtzite 1D Quantum Wires: The Oriented Attachment and Phase Change in ZnSe Nanostructures. Journal of Physical Chemistry Letters, 2013, 4, 3292-3297. | 4.6 | 41 |
| 67 | Chemically Spiraling CsPbBr<sub>3</sub> Perovskite Nanorods. Journal of the American Chemical Society, 2021, 143, 14895-14906. | 13.7 | 40 |
| 68 | Blue-Emitting CsPbBr<sub>3</sub> Perovskite Quantum Rods and Their Wide-Area 2D Self-Assembly. ACS Energy Letters, 2019, 4, 1437-1442. | 17.4 | 39 |
| 69 | Challenges and Opportunities in Designing Perovskite Nanocrystal Heterostructures. ACS Energy Letters, 2020, 5, 2253-2255. | 17.4 | 39 |
| 70 | Why Do Perovskite Nanocrystals Form Nanocubes and How Can Their Facets Be Tuned? A Perspective from Synthetic Prospects. ACS Energy Letters, 2021, 6, 92-99. | 17.4 | 39 |
| 71 | Oriented Attachments and Formation of Ring-on-Disk Heterostructure Auâ€"Cu<sub>3</sub>P Photocatalysts. Chemistry of Materials, 2016, 28, 1872-1878. | 6.7 | 38 |
| 72 | Journey of Making Cesium Lead Halide Perovskite Nanocrystals: Whatâ€™s Next. Journal of Physical Chemistry Letters, 2019, 10, 5847-5855. | 4.6 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Facets Directed Connecting Perovskite Nanocrystals. Journal of the American Chemical Society, 2020, 142, 7207-7217. | 13.7 | 37 |
| 74 | Doped or Not Doped: Ionic Impurities for Influencing the Phase and Growth of Semiconductor Nanocrystals. Chemistry of Materials, 2016, 28, 5224-5237. | 6.7 | 36 |
| 75 | Acidâ€“Amine Equilibria for Formation and Long-Range Self-Organization of Ultrathin CsPbBr<sub>3</sub> Perovskite Platelets. Journal of Physical Chemistry Letters, 2019, 10, 1300-1305. | 4.6 | 34 |
| 76 | Modulated Binaryâ€“Ternary Dual Semiconductor Heterostructures. Angewandte Chemie - International Edition, 2016, 55, 2705-2708. | 13.8 | 33 |
| 77 | Chemically Filled and Au-Coupled BiSbS<sub>3</sub> Nanorod Heterostructures for Photoelectrocatalysis. Chemistry of Materials, 2017, 29, 1116-1126. | 6.7 | 33 |
| 78 | Why Is Making Epitaxially Grown All Inorganic Perovskiteâ€“Chalcogenide Nanocrystal Heterostructures Challenging? Some Facts and Some Strategies. Chemistry of Materials, 2021, 33, 3868-3877. | 6.7 | 33 |
| 79 | Influence of doping on semiconductor nanocrystals mediated charge transfer and photocatalytic organic reaction. Chemical Communications, 2013, 49, 6018. | 4.1 | 31 |
| 80 | Heteroepitaxial Junction in Au-ZnSe Nanostructure: Experiment versus First-Principle Simulation. Journal of Physical Chemistry Letters, 2014, 5, 1892-1898. | 4.6 | 30 |
| 81 | Chemically Tailoring the Dopant Emission in Manganeseâ€Doped CsPbCl<sub>3</sub> Perovskite Nanocrystals. Angewandte Chemie, 2017, 129, 8872-8876. | 2.0 | 30 |
| 82 | Insertion/Ejection of Dopant Ions in Composition Tunable Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 19513-19519. | 3.1 | 29 |
| 83 | Subnanometer Thin Î²-Indium Sulfide Nanosheets. Journal of Physical Chemistry Letters, 2012, 3, 3812-3817. | 4.6 | 29 |
| 84 | Isotropic CsPbBr3 Perovskite Nanocrystals beyond Nanocubes: Growth and Optical Properties. ACS Energy Letters, 2020, 5, 650-656. | 17.4 | 29 |
| 85 | Dopant-Controlled Selenization in Pd Nanocrystals: The Triggered Kirkendall Effect. Journal of the American Chemical Society, 2015, 137, 5123-5129. | 13.7 | 28 |
| 86 | The Redox Chemistry at the Interface for Retrieving and Brightening the Emission of Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2013, 4, 2084-2090. | 4.6 | 27 |
| 87 | Efficient Superionic Conductor Catalyst for Solid in Solutionâ€“Solidâ€“Solid Growth of Heteronanowires. Journal of Physical Chemistry Letters, 2014, 5, 732-736. | 4.6 | 25 |
| 88 | Fixed Aspect Ratio Rodâ€toâ€Rod Conversion and Localized Surface Plasmon Resonance in Semiconducting Iâ€“Vâ€“VI Nanorods. Advanced Materials, 2016, 28, 447-453. | 21.0 | 25 |
| 89 | Reversible Color Switching in Dual-Emitting Mn(II)-Doped CsPbBr3 Perovskite Nanorods: Dilution versus Evaporation. ACS Energy Letters, 2019, 4, 2353-2359. | 17.4 | 25 |
| 90 | Chemically Programmed Ultrahigh Density Two-Dimensional Semiconductor Superlattice Array. Journal of the American Chemical Society, 2010, 132, 1212-1213. | 13.7 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Introducing B-Site Cations by Ion Exchange and Shape Anisotropy in CsPbBr<sub>3</sub> Perovskite Nanostructures. Nano Letters, 2021, 21, 5277-5284. | 9.1 | 23 |
| 92 | Equilibriums in Formation of Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2021, 12, 11824-11833. | 4.6 | 23 |
| 93 | Modulated Binaryâ€“Ternary Dual Semiconductor Heterostructures. Angewandte Chemie, 2016, 128, 2755-2758. | 2.0 | 22 |
| 94 | Symmetry Break and Seeded 2D Anisotropic Growth in Ternary CuGaS<sub>2</sub> Nanocrystals. Chemistry of Materials, 2017, 29, 5384-5393. | 6.7 | 22 |
| 95 | Tuning the Growth Pattern in 2D Confinement Regime of Sm2O3 and the Emerging Room Temperature Unusual Superparamagnetism. Scientific Reports, 2014, 4, 6514. | 3.3 | 21 |
| 96 | Diffusion-Induced Shape Evolution in Multinary Semiconductor Nanostructures. Journal of Physical Chemistry Letters, 2015, 6, 2421-2426. | 4.6 | 18 |
| 97 | Tuning Facets and Controlling Monodispersity in Organicâ€“Inorganic Hybrid Perovskite FAPbBr<sub>3</sub> Nanocrystals. ACS Energy Letters, 2021, 6, 2682-2689. | 17.4 | 18 |
| 98 | Growth of Lead Halide Perovskite Nanocrystals: Still in Mystery. ACS Physical Chemistry Au, 2022, 2, 268-276. | 4.0 | 15 |
| 99 | Anisotropic Zinc Blende ZnSe Nanostructures: The Interface Chemistry and the Retention of Zinc Blende Phase during Growth. Journal of Physical Chemistry C, 2013, 117, 18762-18767. | 3.1 | 14 |
| 100 | Insights of Diffusion Doping in Formation of Dual-Layered Material and Doped Heterostructure SnSâ€“Sn:Sb<sub>2</sub>S<sub>3</sub> for Sodium Ion Storage. Journal of Physical Chemistry Letters, 2019, 10, 1024-1030. | 4.6 | 14 |
| 101 | Recent Developments of Mn(II)-Doped 2D-Layered and 2D Platelet Perovskite Nanostructures. Frontiers in Materials, 2020, 7, . | 2.4 | 14 |
| 102 | Cs-Lattice Extension and Expansion for Inducing Secondary Growth of CsPbBr<sub>3</sub> Perovskite Nanocrystals. ACS Nano, 2021, 15, 16183-16193. | 14.6 | 14 |
| 103 | Role of Fatty Acid in Controlling Nucleation and Growth of CdS Nanocrystals in Solution. Journal of Physical Chemistry C, 2010, 114, 8873-8876. | 3.1 | 13 |
| 104 | Chemical Sealing of Nanotubes: A Case Study on Sb<sub>2</sub>S<sub>3</sub>. Angewandte Chemie - International Edition, 2014, 53, 12566-12570. | 13.8 | 13 |
| 105 | Phaseâ€Stable CsPbI<sub>3</sub> Nanocrystals: The Reaction Temperature Matters. Angewandte Chemie, 2018, 130, 9221-9225. | 2.0 | 13 |
| 106 | What Happens to Halide Perovskite Nanocrystals on TEM Grids upon Year-Long Ambient Storage? Surface Ligands versus Crystal Stability. ACS Energy Letters, 2022, 7, 773-777. | 17.4 | 12 |
| 107 | Modulated Tripleâ€Material Nanoâ€Heterostructures: Where Gold Influenced the Chemical Activity of Silver in Nanocrystals. Small, 2018, 14, e1801598. | 10.0 | 11 |
| 108 | Au Nanowire-Striped Cu<sub>3</sub>P Platelet Photoelectrocatalysts. Journal of Physical Chemistry Letters, 2016, 7, 1077-1082. | 4.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Dotierte Halbleiterâ€Nanokristalle: Lumineszenz, plasmonische und magnetische Eigenschaften. Angewandte Chemie, 2017, 129, 7144-7160. | 2.0 | 10 |
| 110 | Predominated Thermodynamically Controlled Reactions for Suppressing Cross Nucleations in Formation of Multinary Substituted Tetrahedrite Nanocrystals. Journal of Physical Chemistry Letters, 2018, 9, 1907-1912. | 4.6 | 10 |
| 111 | Coupled Halide-deficient and Halide-rich Reaction System for Doping in Perovskite Armed Nanostructures. Journal of Physical Chemistry Letters, 2019, 10, 6788-6793. | 4.6 | 10 |
| 112 | Cs<sub>3</sub>Bi<sub>2</sub>I<sub>9</sub> nanodiscs with phase and Bi(<scp>iii</scp>) state stability under reductive potential or illumination for H<sub>2</sub> generation from diluted aqueous HI. Nanoscale, 2022, 14, 4281-4291. | 5.6 | 9 |
| 113 | Tuning Crystal Plane Orientation in Multijunction and Hexagonal Single Crystalline CsPbBr<sub>3</sub> Perovskite Disc Nanocrystals. Journal of the American Chemical Society, 2022, 144, 7430-7440. | 13.7 | 9 |
| 114 | Au-Cu<sub>2â€"<i>x</i></sub>Te Plasmonic Heteronanostructure Photoelectrocatalysts. Journal of Physical Chemistry Letters, 2021, 12, 11585-11590. | 4.6 | 8 |
| 115 | Transformation of Metal Halides to Facet-Modulated Lead Halide Perovskite Platelet Nanostructures on A-Site Cs-Sublattice Platform. Nano Letters, 2022, 22, 1633-1640. | 9.1 | 8 |
| 116 | Do Halide Perovskites Prefer a Specific Direction for Forming One-Dimensional Nanostructures?. ACS Energy Letters, 2022, 7, 150-153. | 17.4 | 7 |
| 117 | Vortexâ€Pattern Selfâ€Assembly in Mnâ€Doped ZnSe Nanorods. Chemistry - A European Journal, 2014, 20, 3922-3926. | 3.3 | 6 |
| 118 | Insights of Crystal Growth, Nucleation Density, and Shape Modulations in the Formation of Iâ€"Vâ€"VI Ternary Semiconductor Nanoplatelet Photoelectrocatalysts. Journal of Physical Chemistry C, 2020, 124, 15607-15615. | 3.1 | 6 |
| 119 | Energy Spotlight. ACS Energy Letters, 2020, 5, 1328-1329. | 17.4 | 5 |
| 120 | Lightâ€Emitting Metalâ€"Organic Halide 1D and 2D Structures: Nearâ€Unity Quantum Efficiency, Lowâ€Loss Optical Waveguide and Highly Polarized Emission. Angewandte Chemie, 2021, 133, 13660-13665. | 2.0 | 5 |
| 121 | Change in Rate of Catalytic Growths of Nanocrystals Catalyst for Formation of Asymmetric Multicomponent Heterostructures and Their Self-Assembly. Journal of Physical Chemistry C, 2021, 125, 1923-1928. | 3.1 | 4 |
| 122 | Thermal-Undoping-Induced 2D Sheet Exfoliations in 1D Nanomaterial. Journal of Physical Chemistry C, 2018, 122, 13731-13737. | 3.1 | 3 |
| 123 | Energy Spotlight: New Inroads in Metal Halide Perovskite Research. ACS Energy Letters, 2019, 4, 3036-3038. | 17.4 | 3 |
| 124 | Cover Picture: Crystalline Nanoflowers with Different Chemical Compositions and Physical Properties Grown by Limited Ligand Protection (Angew. Chem. Int. Ed. 32/2006). Angewandte Chemie - International Edition, 2006, 45, 5227-5227. | 13.8 | 2 |
| 125 | Doped Nanocrystals: Tuning the Emission Colors of Semiconductor Nanocrystals Beyond their Bandgap Tunability: All in the Dope (Small 22/2013). Small, 2013, 9, 3904-3904. | 10.0 | 2 |
| 126 | Energy Selects. ACS Energy Letters, 2019, 4, 2021-2023. | 17.4 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Epitaxial Orientation Angle Tuned Disk-on-Rod Nanoheterostructures for Boosting Charge Transfer. Journal of Physical Chemistry Letters, 2022, 13, 3804-3811. | 4.6 | 2 |
| 128 | Nucleophile-Controlled Halide Release from the Substitution Reaction of Haloketone for Facet Tuning and Manganese Doping in CsPbCl<sub>3</sub> Nanocrystals. Journal of Physical Chemistry Letters, 2022, 13, 4506-4512. | 4.6 | 2 |
| 129 | Hybrid Nanostructures: Formation of Heteroepitaxy in Different Shapes of Au-CdSe Metal-Semiconductor Hybrid Nanostructures (Small 20/2013). Small, 2013, 9, 3423-3423. | 10.0 | 1 |
| 130 | RÃ¼cktitelbild: Semiconducting and Plasmonic Copper Phosphide Platelets (Angew. Chem. 26/2013). Angewandte Chemie, 2013, 125, 6920-6920. | 2.0 | 0 |
| 131 | Beyond Conventional Quantum Dots. ChemPhysChem, 2016, 17, 553-554. | 2.1 | 0 |
| 132 | Electronic Materials: The New Physical Insights. Journal of Physical Chemistry C, 2017, 121, 18973-18974. | 3.1 | 0 |
| 133 | Frontispiz: Nearâ€Unity Photoluminescence Quantum Efficiency for All CsPbX<sub>3</sub> (X=Cl, Br,) Tj ETQq1 1 0.784314 rgBT /Ove | 2.0 | 0 |
| 134 | Frontispiece: Nearâ€Unity Photoluminescence Quantum Efficiency for All CsPbX<sub>3</sub> (X=Cl, Br,) Tj ETQq0 0 0 rgBT /Overlock 1 Edition, 2019, 58, . | 13.8 | 0 |