

Ya-Ping Du

List of Publications by Citations

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177
papers

9,364
citations

49
h-index

93
g-index

188
ext. papers

11,330
ext. citations

10.8
avg, IF

6.49
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 177 | Synthesis of few-layer MoS ₂ nanosheet-coated TiO ₂ nanobelt heterostructures for enhanced photocatalytic activities. <i>Small</i> , 2013 , 9, 140-7 | 11 | 1059 |
| 176 | Near-infrared photoluminescent Ag ₂ S quantum dots from a single source precursor. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1470-1 | 16.4 | 491 |
| 175 | One-pot synthesis of CoFe ₂ O ₄ /graphene oxide hybrids and their conversion into FeCo/graphene hybrids for lightweight and highly efficient microwave absorber. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5535-5546 | 13 | 420 |
| 174 | Surface strategies for catalytic CO reduction: from two-dimensional materials to nanoclusters to single atoms. <i>Chemical Society Reviews</i> , 2019 , 48, 5310-5349 | 58.5 | 365 |
| 173 | A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012 , 3, 1177 | 17.4 | 334 |
| 172 | Electrochemically reduced single-layer MoS ₂ nanosheets: characterization, properties, and sensing applications. <i>Small</i> , 2012 , 8, 2264-70 | 11 | 333 |
| 171 | pH-responsive injectable hydrogels with mucosal adhesiveness based on chitosan-grafted-dihydrocaffeic acid and oxidized pullulan for localized drug delivery. <i>Journal of Colloid and Interface Science</i> , 2019 , 536, 224-234 | 9.3 | 223 |
| 170 | Efficient Energy Transfer in Monodisperse Eu-Doped ZnO Nanocrystals Synthesized from Metal Acetylacetonates in High-Boiling Solvents. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12234-12241 | 3.8 | 204 |
| 169 | From trifluoroacetate complex precursors to monodisperse rare-earth fluoride and oxyfluoride nanocrystals with diverse shapes through controlled fluorination in solution phase. <i>Chemistry - A European Journal</i> , 2007 , 13, 2320-32 | 4.8 | 177 |
| 168 | Phosphorization boosts the capacitance of mixed metal nanosheet arrays for high performance supercapacitor electrodes. <i>Nanoscale</i> , 2018 , 10, 11775-11781 | 7.7 | 174 |
| 167 | A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS ₂ nanoplates for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2013 , 5, 1456-9 | 7.7 | 158 |
| 166 | A general salt-resistant hydrophilic/hydrophobic nanoporous double layer design for efficient and stable solar water evaporation distillation. <i>Materials Horizons</i> , 2018 , 5, 1143-1150 | 14.4 | 150 |
| 165 | Fabrication of MoS ₂ nanosheet@TiO ₂ nanotube hybrid nanostructures for lithium storage. <i>Nanoscale</i> , 2014 , 6, 5245-50 | 7.7 | 145 |
| 164 | Matchstick-shaped Ag ₂ S-ZnS heteronanostructures preserving both UV/blue and near-infrared photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7115-8 | 16.4 | 143 |
| 163 | Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. <i>Advanced Materials</i> , 2019 , 31, e1805833 | 24 | 132 |
| 162 | Two-Dimensional Flexible Bilayer Janus Membrane for Advanced Photothermal Water Desalination. <i>ACS Energy Letters</i> , 2018 , 3, 1165-1171 | 20.1 | 128 |
| 161 | Full solution-processed synthesis of all metal oxide-based tree-like heterostructures on fluorine-doped tin oxide for water splitting. <i>Advanced Materials</i> , 2012 , 24, 5374-8 | 24 | 123 |

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| 160 | Luminescent Monodisperse Nanocrystals of Lanthanide Oxyfluorides Synthesized from Trifluoroacetate Precursors in High-Boiling Solvents. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 405-415 ^{3.8} | 117 |
| 159 | Ultrathin Visible-Light-Driven Mo Incorporating In O -ZnIn Se Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1807226 | 115 |
| 158 | Benzoxazole and benzimidazole heterocycle-grafted graphene for high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23439 | 112 |
| 157 | Highly luminescent self-organized sub-2-nm EuOF nanowires. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16364-5 | 108 |
| 156 | Regulating the active species of Ni(OH) using CeO: 3D CeO/Ni(OH)/carbon foam as an efficient electrode for the oxygen evolution reaction. <i>Chemical Science</i> , 2017 , 8, 3211-3217 | 105 |
| 155 | Optically active uniform potassium and lithium rare earth fluoride nanocrystals derived from metal trifluoroacetate precursors. <i>Dalton Transactions</i> , 2009 , 8574-81 | 103 |
| 154 | Rare-earth-containing perovskite nanomaterials: design, synthesis, properties and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 1109-1143 | 96 |
| 153 | MOF-derived porous Ni ₂ P nanosheets as novel bifunctional electrocatalysts for the hydrogen and oxygen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18720-18727 | 96 |
| 152 | Multimodal Luminescent Yb /Er /Bi -Doped Perovskite Single Crystals for X-ray Detection and Anti-Counterfeiting. <i>Advanced Materials</i> , 2020 , 32, e2004506 | 88 |
| 151 | Phase transformation fabrication of a Cu ₂ S nanoplate as an efficient catalyst for water oxidation with glycine. <i>Inorganic Chemistry</i> , 2015 , 54, 3281-9 | 87 |
| 150 | Self-Assembled Peptide-Lanthanide Nanoclusters for Safe Tumor Therapy: Overcoming and Utilizing Biological Barriers to Peptide Drug Delivery. <i>ACS Nano</i> , 2018 , 12, 2017-2026 | 84 |
| 149 | Colloidally synthesized MoSe ₂ /graphene hybrid nanostructures as efficient electrocatalysts for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19706-19710 | 80 |
| 148 | MoSe ₂ nanosheets grown on carbon cloth with superior electrochemical performance as flexible electrode for sodium ion batteries. <i>RSC Advances</i> , 2016 , 6, 1440-1444 | 77 |
| 147 | Colloidal synthesis of 1T' phase dominated WS ₂ towards durable electrocatalysis. <i>Nano Energy</i> , 2018 , 50, 176-181 | 77 |
| 146 | Uniform Alkaline Earth Fluoride Nanocrystals with Diverse Shapes Grown from Thermolysis of Metal Trifluoroacetates in Hot Surfactant Solutions. <i>Crystal Growth and Design</i> , 2009 , 9, 2013-2019 | 77 |
| 145 | Oxygen Vacancies on Layered Niobic Acid That Weaken the Catalytic Conversion of Polysulfides in Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11491-11496 | 76 |
| 144 | Electrochromic Poly(chalcogenoviologen)s as Anode Materials for High-Performance Organic Radical Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8468-8473 | 75 |
| 143 | Generalized synthesis of metal sulfide nanocrystals from single-source precursors: size, shape and chemical composition control and their properties. <i>CrystEngComm</i> , 2011 , 13, 4572 | 72 |

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|-----|--|------|----|
| 142 | Atomically efficient synthesis of self-assembled monodisperse and ultrathin lanthanide oxychloride nanoplates. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3162-3 | 16.4 | 72 |
| 141 | Symmetric full cells assembled by using self-supporting Na ₃ V ₂ (PO ₄) ₃ bipolar electrodes for superior sodium energy storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7155-7159 | 13 | 69 |
| 140 | Rare earth incorporated electrode materials for advanced energy storage. <i>Coordination Chemistry Reviews</i> , 2019 , 390, 32-49 | 23.2 | 67 |
| 139 | Organic Thiocarboxylate Electrodes for a Room-Temperature Sodium-Ion Battery Delivering an Ultrahigh Capacity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15334-15338 | 16.4 | 66 |
| 138 | Antibacterial mechanism and activity of cerium oxide nanoparticles. <i>Science China Materials</i> , 2019 , 62, 1727-1739 | 7.1 | 64 |
| 137 | Tungsten-Doped L1 -PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15471-15477 | 16.4 | 62 |
| 136 | Efficient Optimization of Electron/Oxygen Pathway by Constructing Ceria/Hydroxide Interface for Highly Active Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020 , 30, 1908367 | 15.6 | 61 |
| 135 | Facile synthesis of ZnO/CuInS ₂ nanorod arrays for photocatalytic pollutants degradation. <i>Journal of Hazardous Materials</i> , 2016 , 317, 430-439 | 12.8 | 56 |
| 134 | Diverse-shaped iron sulfide nanostructures synthesized from a single source precursor approach. <i>CrystEngComm</i> , 2010 , 12, 3658 | 3.3 | 55 |
| 133 | Kinetically-Driven Phase Transformation during Lithiation in Copper Sulfide Nanoflakes. <i>Nano Letters</i> , 2017 , 17, 5726-5733 | 11.5 | 53 |
| 132 | Ultrathin 2D Rare-Earth Nanomaterials: Compositions, Syntheses, and Applications. <i>Advanced Materials</i> , 2020 , 32, e1806461 | 24 | 53 |
| 131 | Facile synthesis of LiMn ₂ O ₄ octahedral nanoparticles as cathode materials for high capacity lithium ion batteries with long cycle life. <i>Journal of Power Sources</i> , 2015 , 278, 574-581 | 8.9 | 52 |
| 130 | Single-crystalline and near-monodispersed NaMF ₃ (M = Mn, Co, Ni, Mg) and LiMAIF ₆ (M = Ca, Sr) nanocrystals from cothermolysis of multiple trifluoroacetates in solution. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 965-74 | 4.5 | 52 |
| 129 | Room temperature stable CO-free H ₂ production from methanol with magnesium oxide nanophotocatalysts. <i>Science Advances</i> , 2016 , 2, e1501425 | 14.3 | 49 |
| 128 | A Reversibly Responsive Fluorochromic Hydrogel Based on Lanthanide-Mannose Complex. <i>Advanced Science</i> , 2019 , 6, 1802112 | 13.6 | 46 |
| 127 | Assembled 3D electrocatalysts for efficient hydrogen evolution: WSe ₂ layers anchored on graphene sheets. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 313-319 | 6.8 | 45 |
| 126 | Synthesis of High-Quality δ -MnSe Nanostructures with Superior Lithium Storage Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 2765-70 | 5.1 | 44 |
| 125 | Self-Assembled Sandwich-like Vanadium Oxide/Graphene Mesoporous Composite as High-Capacity Anode Material for Lithium Ion Batteries. <i>Inorganic Chemistry</i> , 2015 , 54, 11799-806 | 5.1 | 43 |

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| 124 | Effective Construction of High-quality Iron Oxy-hydroxides and Co-doped Iron Oxy-hydroxides Nanostructures: Towards the Promising Oxygen Evolution Reaction Application. <i>Scientific Reports</i> , 2017 , 7, 43590 | 4.9 | 42 |
| 123 | Lanthanide doping induced electrochemical enhancement of NaTiO anodes for sodium-ion batteries. <i>Chemical Science</i> , 2018 , 9, 3421-3425 | 9.4 | 42 |
| 122 | High quality sulfur-doped titanium dioxide nanocatalysts with visible light photocatalytic activity from non-hydrolytic thermolysis synthesis. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 521-525 | 6.8 | 42 |
| 121 | Thermally Stable Hierarchical Nanostructures of Ultrathin MoS ₂ Nanosheet-Coated CeO ₂ Hollow Spheres as Catalyst for Ammonia Decomposition. <i>Inorganic Chemistry</i> , 2016 , 55, 3992-9 | 5.1 | 40 |
| 120 | Interplanar space-controllable carboxylate pillared metal organic framework ultrathin nanosheet for superhigh capacity rechargeable alkaline battery. <i>Nano Energy</i> , 2019 , 62, 876-882 | 17.1 | 39 |
| 119 | Tuning infrared plasmon resonances in doped metal-oxide nanocrystals through cation-exchange reactions. <i>Nature Communications</i> , 2019 , 10, 1394 | 17.4 | 39 |
| 118 | Enhanced conversion efficiency in perovskite solar cells by effectively utilizing near infrared light. <i>Nanoscale</i> , 2016 , 8, 14432-7 | 7.7 | 38 |
| 117 | Superior-Performance Aqueous Zinc Ion Battery Based on Structural Transformation of MnO ₂ by Rare Earth Doping. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22735-22741 | 3.8 | 37 |
| 116 | Tailoring the d-band center of N-doped carbon nanotube arrays with Co ₄ N nanoparticles and single-atom Co for a superior hydrogen evolution reaction. <i>NPG Asia Materials</i> , 2021 , 13, | 10.3 | 37 |
| 115 | One-Dimensional Lead-Free Halide with Near-Unity Greenish-Yellow Light Emission. <i>Chemistry of Materials</i> , 2020 , 32, 6525-6531 | 9.6 | 36 |
| 114 | Core-shell structured CeO ₂ @MoS ₂ nanocomposites for high performance symmetric supercapacitors. <i>CrystEngComm</i> , 2016 , 18, 4158-4164 | 3.3 | 36 |
| 113 | Electrolytes for Batteries with Earth-Abundant Metal Anodes. <i>Chemistry - A European Journal</i> , 2018 , 24, 18220-18234 | 4.8 | 36 |
| 112 | Construction of High-Quality SnO@MoS Nanohybrids for Promising Photoelectrocatalytic Applications. <i>Inorganic Chemistry</i> , 2017 , 56, 3386-3393 | 5.1 | 34 |
| 111 | High-quality Cu ₂ ZnSnS ₄ and Cu ₂ ZnSnSe ₄ nanocrystals hybrid with ZnO and NaYF ₄ : Yb, Tm as efficient photocatalytic sensitizers. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 402-411 | 21.8 | 34 |
| 110 | Multifunctional nanocomposites constructed from Fe ₃ O ₄ -Au nanoparticle cores and a porous silica shell in the solution phase. <i>Dalton Transactions</i> , 2011 , 40, 10857-64 | 4.3 | 34 |
| 109 | Biodegradable thermal imaging-tracked ultralong nanowire-reinforced conductive nanocomposites elastomers with intrinsic efficient antibacterial and anticancer activity for enhanced biomedical application potential. <i>Biomaterials</i> , 2019 , 201, 68-76 | 15.6 | 32 |
| 108 | Structural-Phase Catalytic Redox Reactions in Energy and Environmental Applications. <i>Advanced Materials</i> , 2020 , 32, e1905739 | 24 | 31 |
| 107 | Synthesis of porous amorphous FePO ₄ nanotubes and their lithium storage properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 1568-72 | 4.8 | 30 |

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|-----|--|------|----|
| 106 | Matchstick-Shaped Ag ₂ S/nS Heteronanostructures Preserving both UV/Blue and Near-Infrared Photoluminescence. <i>Angewandte Chemie</i> , 2011 , 123, 7253-7256 | 3.6 | 30 |
| 105 | 2D Materials Based on Main Group Element Compounds: Phases, Synthesis, Characterization, and Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2001127 | 15.6 | 30 |
| 104 | Multiresponsive Supramolecular Luminescent Hydrogels Based on a Nucleoside/Lanthanide Complex. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47404-47412 | 9.5 | 30 |
| 103 | Solid Nanoporosity Governs Catalytic CO and N Reduction. <i>ACS Nano</i> , 2020 , 14, 7734-7759 | 16.7 | 29 |
| 102 | Tumor-Microenvironment-Induced Degradation of Ultrathin Gadolinium Oxide Nanoscrolls for Magnetic-Resonance-Imaging-Monitored, Activatable Cancer Chemotherapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6880-6885 | 16.4 | 28 |
| 101 | Free-standing 2D nanorrafts by assembly of 1D nanorods for biomolecule sensing. <i>Nanoscale</i> , 2019 , 11, 12169-12176 | 7.7 | 28 |
| 100 | Rare earth double perovskites: a fertile soil in the field of perovskite oxides. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2226-2238 | 6.8 | 28 |
| 99 | Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305 | 10 | 28 |
| 98 | WO _x -Surface Decorated PtNi@Pt Dendritic Nanowires as Efficient pH-Universal Hydrogen Evolution Electrocatalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2003192 | 21.8 | 27 |
| 97 | A highly efficient atomically thin curved PdIr bimetallic electrocatalyst. <i>National Science Review</i> , 2021 , 8, nwab019 | 10.8 | 27 |
| 96 | Construction of pH-responsive and up-conversion luminescent NaYF ₄ /Er ³⁺ @SiO ₂ /PMAA nanocomposite for colon targeted drug delivery. <i>Scientific Reports</i> , 2016 , 6, 21335 | 4.9 | 25 |
| 95 | Constructing monodispersed MoSe ₂ anchored on graphene: a superior nanomaterial for sodium storage. <i>Science China Materials</i> , 2017 , 60, 167-177 | 7.1 | 24 |
| 94 | Simultaneously targeted imaging cytoplasm and nucleus in living cell by biomolecules capped ultra-small GdOF nanocrystals. <i>Biomaterials</i> , 2015 , 59, 21-9 | 15.6 | 23 |
| 93 | When rare earth meets carbon nanodots: mechanisms, applications and outlook. <i>Chemical Society Reviews</i> , 2020 , 49, 9220-9248 | 58.5 | 23 |
| 92 | High quality FeOOH nanostructures constructed by a biomolecule-assisted hydrothermal approach and their pH-responsive drug delivery behaviors. <i>CrystEngComm</i> , 2015 , 17, 4064-4069 | 3.3 | 23 |
| 91 | Synthesis of porous, hollow metal MCO ₃ (M=Mn, Co, Ca) microstructures and adsorption properties thereof. <i>Chemistry - A European Journal</i> , 2014 , 20, 421-5 | 4.8 | 22 |
| 90 | Controlled Synthesis and Properties of Rare Earth Nanomaterials. <i>Fundamental Theories of Physics</i> , 2011 , 41, 275-472 | 0.8 | 22 |
| 89 | Organic Thiocarboxylate Electrodes for a Room-Temperature Sodium-Ion Battery Delivering an Ultrahigh Capacity. <i>Angewandte Chemie</i> , 2017 , 129, 15536-15540 | 3.6 | 22 |

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| 88 | Visualization of the electrocatalytic activity of three-dimensional MoSe ₂ @reduced graphene oxide hybrid nanostructures for oxygen reduction reaction. <i>Nano Research</i> , 2016 , 9, 3795-3811 | 10 | 21 |
| 87 | A Smart Nanoplatform with Photothermal Antibacterial Capability and Antioxidant Activity for Chronic Wound Healing. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100033 | 10.1 | 21 |
| 86 | A Review on CeO ₂ -Based Electrocatalyst and Photocatalyst in Energy Conversion. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000063 | 1.6 | 21 |
| 85 | Epoxy containing solid polymer electrolyte for lithium ion battery. <i>Electrochimica Acta</i> , 2019 , 318, 302-313 | 137 | 20 |
| 84 | Understanding MXene-Based Symmetric Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5006-5014 | 6.1 | 20 |
| 83 | Gelatin assisted wet chemistry synthesis of high quality FeOOH nanorods anchored on graphene nanosheets with superior lithium-ion battery application. <i>RSC Advances</i> , 2016 , 6, 17504-17509 | 3.7 | 20 |
| 82 | Construction of high quality ultrathin lanthanide oxyiodide nanosheets for enhanced CT imaging and anticancer drug delivery to efficient cancer theranostics. <i>Biomaterials</i> , 2020 , 230, 119670 | 15.6 | 20 |
| 81 | Ultrafine CoP/CoP Nanorods Encapsulated in Janus/Twins-type Honeycomb 3D Nitrogen-Doped Carbon Nanosheets for Efficient Hydrogen Evolution. <i>IScience</i> , 2020 , 23, 101264 | 6.1 | 19 |
| 80 | High-quality ultralong copper sulphide nanowires for promising applications in high efficiency solar water evaporation. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 394-398 | 7.8 | 19 |
| 79 | Phosphine-free, low-temperature synthesis of tetrapod-shaped CdS and its hybrid with Au nanoparticles. <i>Small</i> , 2014 , 10, 4727-34 | 11 | 19 |
| 78 | Rare-Earth Incorporated Alloy Catalysts: Synthesis, Properties, and Applications. <i>Advanced Materials</i> , 2021 , 33, e2005988 | 24 | 19 |
| 77 | Synthesis of high-quality lanthanide oxybromides nanocrystals with single-source precursor for promising applications in cancer cells imaging. <i>Applied Materials Today</i> , 2015 , 1, 20-26 | 6.6 | 18 |
| 76 | Identification of Singlet Self-Trapped Excitons in a New Family of White-Light-Emitting Zero-Dimensional Compounds. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11625-11630 | 3.8 | 18 |
| 75 | High-Quality Copper Sulfide Nanocrystals with Diverse Shapes and Their Catalysis for Electrochemical Reduction of H ₂ O ₂ . <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 536-541 | 3.1 | 18 |
| 74 | All in one theranostic nanoplatform enables efficient anti-tumor peptide delivery for triple-modal imaging guided cancer therapy. <i>Nano Research</i> , 2019 , 12, 593-599 | 10 | 18 |
| 73 | Three-Electron Redox Enabled Dithiocarboxylate Electrode for Superior Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35469-35476 | 9.5 | 18 |
| 72 | Photoactivity and Stability Co-Enhancement: When Localized Plasmons Meet Oxygen Vacancies in MgO. <i>Small</i> , 2018 , 14, e1803233 | 11 | 18 |
| 71 | Tungsten-Doped L10-PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie</i> , 2019 , 131, 15617-15623 | 3.6 | 17 |

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|----|---|------|----|
| 70 | Periodic AuAg-Ag β heterostructured nanowires. <i>Small</i> , 2014 , 10, 479-82 | 11 | 17 |
| 69 | Controlled Synthesis of Ultrathin Lanthanide Oxide Nanosheets and Their Promising pH-Controlled Anticancer Drug Delivery. <i>Chemistry - A European Journal</i> , 2015 , 21, 11954-60 | 4.8 | 16 |
| 68 | Rare-Earth-Based Metal-Organic Frameworks as Multifunctional Platforms for Catalytic Conversion. <i>Small</i> , 2021 , 17, e2005371 | 11 | 16 |
| 67 | A sandwich-type sulfur cathode based on multifunctional ceria hollow spheres for high-performance lithium-sulfur batteries. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1317-1322 | 7.8 | 15 |
| 66 | Synthesis of high quality CuO nanoflakes and CuO/Au nanohybrids for superior visible light photocatalytic behavior. <i>RSC Advances</i> , 2016 , 6, 81607-81613 | 3.7 | 15 |
| 65 | Ultrathin lanthanide oxides nanomaterials: synthesis, properties and applications. <i>Science Bulletin</i> , 2016 , 61, 1422-1434 | 10.6 | 15 |
| 64 | Enhanced tribocatalytic degradation using piezoelectric CdS nanowires for efficient water remediation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14845-14854 | 7.1 | 15 |
| 63 | Well-defined Co _x CeO ₂ +xMoS ₂ nanotube hybrids as novel electrocatalysts for promising hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9523-9527 | 13 | 14 |
| 62 | Self-Assembled Ferromagnetic Monodisperse Manganese Oxide Nanoplates Synthesized by a Modified Nonhydrolytic Approach. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6521-6528 | 3.8 | 14 |
| 61 | When C ₃ N ₄ meets BaTiO ₃ : Ferroelectric polarization plays a critical role in building a better photocatalyst. <i>Ceramics International</i> , 2020 , 46, 4248-4255 | 5.1 | 14 |
| 60 | Modulation of Surface Energy Transfer Cascade for Reversible Photoluminescence pH Sensing. <i>Chemistry of Materials</i> , 2019 , 31, 8121-8128 | 9.6 | 13 |
| 59 | Enhanced photocatalytic activity of perovskite NaNbO by oxygen vacancy engineering. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11697-11704 | 3.6 | 13 |
| 58 | Tunable CO/H ratios of electrochemical reduction of CO through the Zn-Ln dual atomic catalysts. <i>Science Advances</i> , 2021 , 7, eabl4915 | 14.3 | 13 |
| 57 | Nano Polymorphism-Enabled Redox Electrodes for Rechargeable Batteries. <i>Advanced Materials</i> , 2021 , 33, e2004920 | 24 | 13 |
| 56 | Bioactive Core-Shell CaF Upconversion Nanostructure for Promotion and Visualization of Engineered Bone Reconstruction. <i>ACS Nano</i> , 2020 , 14, 16085-16095 | 16.7 | 12 |
| 55 | Lattice distortion and its role in the magnetic behavior of the Mn-doped ZnO system. <i>New Journal of Physics</i> , 2012 , 14, 013033 | 2.9 | 12 |
| 54 | Recent advances on rare earths in solid lithium ion conductors. <i>Journal of Rare Earths</i> , 2021 , 39, 1-10 | 3.7 | 12 |
| 53 | Carbon Thin Film Wrapped around a Three-Dimensional Nitrogen-Doped Carbon Scaffold for Superior-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2017 , 23, 9641-9646 | 4.8 | 11 |

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|----|---|------|----|
| 52 | Ligand induced structure and property changes of 1T-MoS. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9391-9398 | 3.6 | 11 |
| 51 | Upconversion Lifetime Imaging of Highly-Crystalline Gd-Based Fluoride Nanocrystals Featuring Strong Luminescence Resulting from Multiple Luminescent Centers. <i>Advanced Optical Materials</i> , 2020 , 8, 1901495 | 8.1 | 10 |
| 50 | Multimodal channel cancer chemotherapy by 2D functional gadolinium metal-organic framework. <i>National Science Review</i> , 2021 , 8, nwaa221 | 10.8 | 10 |
| 49 | Recent advances on visible-light-driven CO ₂ reduction: Strategies for boosting solar energy transformation. <i>APL Materials</i> , 2020 , 8, 060904 | 5.7 | 9 |
| 48 | Enhancing the Rate Capability of Niobium Oxide Electrode through Rare-Earth Doping Engineering. <i>Batteries and Supercaps</i> , 2019 , 2, 924-928 | 5.6 | 9 |
| 47 | Evidence of Matrix Lattice Distortion in Zn _{1-x} CoxO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4263-4269 | 3.8 | 9 |
| 46 | Fast Li-ion Conductor of LiHoBr for Stable All-Solid-State Lithium-Sulfur Battery. <i>Nano Letters</i> , 2021 , 21, 9325-9331 | 11.5 | 9 |
| 45 | High Quality Ultrathin Lanthanide Selenide Nanostructures with Dual Modal Functionalities. <i>Chemistry of Materials</i> , 2016 , 28, 2507-2510 | 9.6 | 9 |
| 44 | Tumor-Microenvironment-Induced Degradation of Ultrathin Gadolinium Oxide Nanoscrolls for Magnetic-Resonance-Imaging-Monitored, Activatable Cancer Chemotherapy. <i>Angewandte Chemie</i> , 2019 , 131, 6954-6959 | 3.6 | 8 |
| 43 | EuS ₂ and EuS ₂ ZnS heterostructured nanocrystals constructed by Co-thermal decomposition of molecular precursors in the solution phase. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3902-3907 | 7.1 | 8 |
| 42 | Study of a composite solid electrolyte made from a new pyrrolidone-containing polymer and LLZTO. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 389-398 | 9.3 | 8 |
| 41 | Synthesis of porous gadolinium oxide nanosheets for cancer therapy and magnetic resonance imaging. <i>Materials Letters</i> , 2020 , 265, 127375 | 3.3 | 8 |
| 40 | Imidazole containing solid polymer electrolyte for lithium ion conduction and the effects of two lithium salts. <i>Electrochimica Acta</i> , 2020 , 351, 136342 | 6.7 | 8 |
| 39 | Lanthanide electronic perturbation in Pt _{1-x} In (La, Ce, Pr and Nd) alloys for enhanced methanol oxidation reaction activity. <i>Energy and Environmental Science</i> , | 35.4 | 8 |
| 38 | Multifunctional cerium doped carbon dots nanoplatfom and its applications for wound healing. <i>Chemical Engineering Journal</i> , 2021 , 423, 130301 | 14.7 | 8 |
| 37 | Organic-Bare Earth Hybrid Anode with Superior Cyclability for Lithium Ion Battery. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1902168 | 4.6 | 7 |
| 36 | Rare-earth-incorporated low-dimensional chalcogenides: Dry-method syntheses and applications. <i>Information Materials</i> , 2020 , 2, 466-482 | 23.1 | 7 |
| 35 | High-Performance Supercapacitors Based on Nitrogen-Doped Porous Carbon from Surplus Sludge. <i>Science of Advanced Materials</i> , 2015 , 7, 571-578 | 2.3 | 6 |

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|----|---|--------|---|
| 34 | Layered Double Hydroxide Hollowcages with Adjustable Layer Spacing for High Performance Hybrid Supercapacitor. <i>Small</i> , 2021 , 17, e2104423 | 11 | 6 |
| 33 | Complete CO Oxidation by O ₂ and H ₂ O over PtTeO ₂ /MgO Following Langmuir-Hinshelwood and Mars-van Krevelen Mechanisms, Respectively. <i>ACS Catalysis</i> , 2021 , 11, 11820-11830 | 13.1 | 6 |
| 32 | Thiocarboxylate-modified Ni(OH) ₂ nanosheets for high-performance alkaline batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20176-20181 | 13 | 5 |
| 31 | Rare earth element based single-atom catalysts: synthesis, characterization and applications in photo/electro-catalytic reactions. <i>Nanoscale Horizons</i> , 2021 , | 10.8 | 5 |
| 30 | Facet Selectivity Guided Assembly of Nanoarchitectures onto Two-Dimensional Metal-Organic Framework Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17564-17569 | 16.4 | 5 |
| 29 | Cerium-doped bimetal organic framework as a superhigh capacity cathode for rechargeable alkaline batteries. <i>Nanoscale</i> , 2021 , 13, 3581-3587 | 7.7 | 5 |
| 28 | Study of solid polyurethane electrolytes synthesized from HDI and PEO of different molecular weight. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 893, 115305 | 4.1 | 5 |
| 27 | Controlled synthesis of high quality scandium-based nanocrystals as promising recyclable catalysts for silylcyanation reaction. <i>Nanoscale</i> , 2017 , 9, 10987-10991 | 7.7 | 4 |
| 26 | Uniform ZnO nanorods derived from lithium ions as a growth controlling agent in non-aqueous medium. <i>CrystEngComm</i> , 2011 , 13, 437-439 | 3.3 | 4 |
| 25 | Gram-Scale Synthesis of Nanosized Li HoBr Solid Electrolyte for All-Solid-State Li-Se Battery.. <i>Small Methods</i> , 2021 , 5, e2101002 | 12.8 | 4 |
| 24 | Electrochromic Poly(chalcogenoviologen)s as Anode Materials for High-Performance Organic Radical Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 8556 | 3.6 | 2 |
| 23 | Near room-temperature ferromagnetism in air-stable two-dimensional Cr _{1-x} Te grown by chemical vapor deposition. <i>Nano Research</i> , 1 | 10 | 2 |
| 22 | Rare earth-based materials for bone regeneration: Breakthroughs and advantages. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214236 | 23.2 | 2 |
| 21 | Facile Preparation of Methyl Phenols from Ethanol over Lamellar Ce(OH)SO ₄ ·xH ₂ O. <i>ACS Catalysis</i> , 2021 , 11, 6162-6174 | 13.1 | 2 |
| 20 | Non-equilibrium insertion of lithium ions into graphite. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 12080-12086 | 13.086 | 2 |
| 19 | In-depth study on the structures and properties of rare-earth-containing perovskite materials. <i>Nanoscale</i> , 2021 , 13, 13976-13994 | 7.7 | 2 |
| 18 | Multi-Elemental Electronic Coupling for Enhanced Hydrogen Generation. <i>Small</i> , 2021 , 17, e2006617 | 11 | 2 |
| 17 | Lithium-Ion Batteries: Organic Rare Earth Hybrid Anode with Superior Cyclability for Lithium Ion Battery (Adv. Mater. Interfaces 9/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070051 | 4.6 | 1 |

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|----|---|------|---|
| 16 | Unravelling the Mystery of Solid Solutions: A Case Study of Y Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , 2020 , 21, 825-836 | 3.2 | 1 |
| 15 | CdS: Phosphine-Free, Low-Temperature Synthesis of Tetrapod-Shaped CdS and Its Hybrid with Au Nanoparticles (Small 22/2014). <i>Small</i> , 2014 , 10, 4726-4726 | 11 | 1 |
| 14 | Crystalline/Amorphous Heterophase with Self-Assembled Hollow Structure for Highly Efficient Electrochemical Hydrogen Production. <i>CCS Chemistry</i> , 1-11 | 7.2 | 1 |
| 13 | General synthesis of large-area flexible bi-atomic subnano thin lanthanide oxide nanoscrolls. <i>Nano Energy</i> , 2020 , 78, 105318 | 17.1 | 1 |
| 12 | Facet Selectivity Guided Assembly of Nanoarchitectures onto Two-Dimensional Metal-Organic Framework Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 17705-17710 | 3.6 | 1 |
| 11 | Highly Stable 3D Supercuboids to 2D ZnSe Nanosheets: Formation for a High-Efficiency Catalysis System.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1855-1862 | 6.4 | 1 |
| 10 | Rare-Earth-Based Perovskite Cs ₂ AgScCl ₆ :Bi for Strong Full Visible Spectrum Emission. <i>Advanced Functional Materials</i> , 2204780 | 15.6 | 1 |
| 9 | Advances in solid lithium ion electrolyte based on the composites of polymer and LLTO/LLZO of rare earth oxides. <i>Engineering Reports</i> , e12448 | 1.2 | 0 |
| 8 | Biodegradable Biocompatible MgO/Eu Nanodrug with Acid-Base Conversion Capacity for Targeted Lung Cancer Therapy. <i>Chemical Engineering Journal</i> , 2022 , 136323 | 14.7 | 0 |
| 7 | Oxygen Vacancies on Layered Niobic Acid That Weaken the Catalytic Conversion of Polysulfides in Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 11615 | 3.6 | |
| 6 | Titelbild: Oxygen Vacancies on Layered Niobic Acid That Weaken the Catalytic Conversion of Polysulfides in Lithium-Sulfur Batteries (Angew. Chem. 33/2019). <i>Angewandte Chemie</i> , 2019 , 131, 11245 | 3.6 | |
| 5 | Rare-earth Nanomaterials for PEC Energy Conversion 2022 , 399-410 | | |
| 4 | Rare-earth Nanomaterials for PC Energy Conversion 2022 , 309-323 | | |
| 3 | Rare-earth Nanomaterials for EC Energy Conversion 2022 , 171-189 | | |
| 2 | Rare-Earth Nanomaterials for PV Energy Conversion 2022 , 559-579 | | |
| 1 | Novel Cerium-Based Sulfide Nano-Photocatalyst for Highly Efficient CO Reduction.. <i>Small</i> , 2022 , e2201332 | | |