# Jian-Ping Yang

List of Publications by Year
in descending order

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|---|---|---|---|
| 152 papers | 14,527 citations | 22099 59 h-index | 19690 117 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 16791 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biphase Stratification Approach to Three-Dimensional Dendritic Biodegradable Mesoporous Silica Nanospheres. Nano Letters, 2014, 14, 923-932. | 4.5 | 639 |
| 2 | Enhanced Sodium-Ion Battery Performance by Structural Phase Transition from Two-Dimensional Hexagonal-SnS<sub>2</sub> to Orthorhombic-SnS. ACS Nano, 2014, 8, 8323-8333. | 7.3 | 592 |
| 3 | Recent progress on sodium ion batteries: potential high-performance anodes. Energy and Environmental Science, 2018, 11, 2310-2340. | 15.6 | 561 |
| 4 | Simple and Green Synthesis of Nitrogenâ€Doped Photoluminescent Carbonaceous Nanospheres for Bioimaging. Angewandte Chemie - International Edition, 2013, 52, 8151-8155. | 7.2 | 430 |
| 5 | A Versatile Kinetics-Controlled Coating Method To Construct Uniform Porous TiO<sub>2</sub> Shells for Multifunctional Coreâ€"Shell Structures. Journal of the American Chemical Society, 2012, 134, 11864-11867. | 6.6 | 403 |
| 6 | Uniform yolk-shell iron sulfideâ€"carbon nanospheres for superior sodiumâ€"iron sulfide batteries. Nature Communications, 2015, 6, 8689. | 5.8 | 374 |
| 7 | Heterogeneous Singleâ€Atom Catalysts for Electrochemical CO<sub>2</sub> Reduction Reaction. Advanced Materials, 2020, 32, e2001848. | 11.1 | 366 |
| 8 | Surface and Interface Engineering of Siliconâ€Based Anode Materials for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1701083. | 10.2 | 354 |
| 9 | Solâ€"Gel Design Strategy for Ultradispersed TiO<sub>2</sub> Nanoparticles on Graphene for High-Performance Lithium Ion Batteries. Journal of the American Chemical Society, 2013, 135, 18300-18303. | 6.6 | 348 |
| 10 | Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO2 capture. Nano Research, 2010, 3, 632-642. | 5.8 | 347 |
| 11 | Amorphous TiO<sub>2</sub> Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for Highâ€Performance and Safe Lithium Storage. Advanced Materials, 2017, 29, 1700523. | 11.1 | 342 |
| 12 | Electrocatalytic reduction of nitrate â€" a step towards a sustainable nitrogen cycle. Chemical Society Reviews, 2022, 51, 2710-2758. | 18.7 | 323 |
| 13 | Atomic cobalt as an efficient electrocatalyst in sulfur cathodes for superior room-temperature sodium-sulfur batteries. Nature Communications, 2018, 9, 4082. | 5.8 | 305 |
| 14 | Synthesis of mesoporous carbon spheres with a hierarchical pore structure for the electrochemical double-layer capacitor. Carbon, 2011, 49, 1248-1257. | 5.4 | 302 |
| 15 | Spatially Confined Fabrication of Coreâ€"Shell Gold Nanocages@Mesoporous Silica for Near-Infrared Controlled Photothermal Drug Release. Chemistry of Materials, 2013, 25, 3030-3037. | 3.2 | 302 |
| 16 | Direct Imaging the Upconversion Nanocrystal Core/Shell Structure at the Subnanometer Level: Shell Thickness Dependence in Upconverting Optical Properties. Nano Letters, 2012, 12, 2852-2858. | 4.5 | 287 |
| 17 | Achieving High-Performance Room-Temperature Sodiumâ€"Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. Journal of the American Chemical Society, 2016, 138, 16576-16579. | 6.6 | 280 |
| 18 | Hydrothermal Etching Assisted Crystallization: A Facile Route to Functional Yolk-Shell Titanate Microspheres with Ultrathin Nanosheets-Assembled Double Shells. Journal of the American Chemical Society, 2011, 133, 15830-15833. | 6.6 | 278 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. Chemistry of Materials, 2013, 25, 106-112. | 3.2 | 277 |
| 20 | General Strategy to Synthesize Uniform Mesoporous TiO<sub>2</sub>/Graphene/Mesoporous TiO<sub>2</sub> Sandwich-Like Nanosheets for Highly Reversible Lithium Storage. Nano Letters, 2015, 15, 2186-2193. | 4.5 | 273 |
| 21 | Highly Reversible and Large Lithium Storage in Mesoporous Si/C Nanocomposite Anodes with Silicon Nanoparticles Embedded in a Carbon Framework. Advanced Materials, 2014, 26, 6749-6755. | 11.1 | 260 |
| 22 | Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. Nano Energy, 2015, 18, 133-142. | 8.2 | 238 |
| 23 | Silicon/Mesoporous Carbon/Crystalline TiO<sub>2</sub> Nanoparticles for Highly Stable Lithium Storage. ACS Nano, 2016, 10, 10524-10532. | 7.3 | 230 |
| 24 | Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. Angewandte Chemie - International Edition, 2019, 58, 6669-6673. | 7.2 | 209 |
| 25 | Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. Nano Energy, 2016, 27, 255-264. | 8.2 | 204 |
| 26 | Dualâ€Pore Mesoporous Carbon@Silica Composite Coreâ€“Shell Nanospheres for Multidrug Delivery. Angewandte Chemie - International Edition, 2014, 53, 5366-5370. | 7.2 | 170 |
| 27 | NIRâ€Triggered Release of Caged Nitric Oxide using Upconverting Nanostructured Materials. Small, 2012, 8, 3800-3805. | 5.2 | 168 |
| 28 | Core-shell Ag@SiO2@mSiO2 mesoporous nanocarriers for metal-enhanced fluorescence. Chemical Communications, 2011, 47, 11618. | 2.2 | 164 |
| 29 | Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. Nature Chemistry, 2016, 8, 171-178. | 6.6 | 153 |
| 30 | Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. Nano Letters, 2019, 19, 5423-5430. | 4.5 | 147 |
| 31 | Monodisperse core-shell chitosan microcapsules for pH-responsive burst release of hydrophobic drugs. Soft Matter, 2011, 7, 4821. | 1.2 | 146 |
| 32 | Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO<sub>2</sub> Reduction to C<sub>2+</sub>. Angewandte Chemie - International Edition, 2021, 60, 11487-11493. | 7.2 | 145 |
| 33 | 3D hierarchical porous graphene aerogel with tunable meso-pores on graphene nanosheets for high-performance energy storage. Scientific Reports, 2015, 5, 14229. | 1.6 | 139 |
| 34 | Janus nanoarchitectures: From structural design to catalytic applications. Nano Today, 2018, 22, 62-82. | 6.2 | 137 |
| 35 | Hollow-Carbon-Templated Few-Layered V<sub>5</sub>S<sub>8</sub> Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. ACS Nano, 2019, 13, 7939-7948. | 7.3 | 136 |
| 36 | Controlled Synthesis and Functionalization of Ordered Largeâ€Pore Mesoporous Carbons. Advanced Functional Materials, 2010, 20, 3658-3665. | 7.8 | 127 |

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| 37 | Direct Superassemblies of Freestanding Metalâ€“Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. Journal of the American Chemical Society, 2016, 138, 16533-16541. | 6.6 | 120 |
| 38 | Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 17450-17459. | 4.0 | 110 |
| 39 | Mesoporous Silica Encapsulating Upconversion Luminescence Rare-Earth Fluoride Nanorods for Secondary Excitation. Langmuir, 2010, 26, 8850-8856. | 1.6 | 105 |
| 40 | Synthesis of ordered mesoporous alumina with large pore sizes and hierarchical structure. Microporous and Mesoporous Materials, 2011, 143, 406-412. | 2.2 | 100 |
| 41 | MoO2/Mo2C/C spheres as anode materials for lithium ion batteries. Carbon, 2016, 96, 1200-1207. | 5.4 | 96 |
| 42 | Fe/Fe<sub>3</sub>C nanoparticle-decorated N-doped carbon nanofibers for improving the nitrogen selectivity of electrocatalytic nitrate reduction. Journal of Materials Chemistry A, 2020, 8, 15853-15863. | 5.2 | 96 |
| 43 | How to Build a Microplasticsâ€Free Environment: Strategies for Microplastics Degradation and Plastics Recycling. Advanced Science, 2022, 9, e2103764. | 5.6 | 87 |
| 44 | Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. Nano Research, 2015, 8, 2503-2514. | 5.8 | 84 |
| 45 | Hierarchical Branched Mesoporous TiO<sub>2</sub>â€“SnO<sub>2</sub> Nanocomposites with Wellâ€Defined nâ€“n Heterojunctions for Highly Efficient Ethanol Sensing. Advanced Science, 2019, 6, 1902008. | 5.6 | 84 |
| 46 | Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. Journal of Colloid and Interface Science, 2010, 342, 579-585. | 5.0 | 83 |
| 47 | Boosting the initial coulombic efficiency in silicon anodes through interfacial incorporation of metal nanocrystals. Journal of Materials Chemistry A, 2019, 7, 17426-17434. | 5.2 | 83 |
| 48 | Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. National Science Review, 2021, 8, nwaa152. | 4.6 | 77 |
| 49 | Synthesis of well-dispersed layered double hydroxide core@ordered mesoporous silica shell nanostructure (LDH@mSiO2) and its application in drug delivery. Nanoscale, 2011, 3, 4069. | 2.8 | 74 |
| 50 | Dendritic Cellâ€Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. Small, 2020, 16, e2001775. | 5.2 | 74 |
| 51 | Nanostructured binary copper chalcogenides: synthesis strategies and common applications. Nanoscale, 2018, 10, 15130-15163. | 2.8 | 73 |
| 52 | Germanium Nanograin Decoration on Carbon Shell: Boosting Lithiumâ€Storage Properties of Silicon Nanoparticles. Advanced Functional Materials, 2016, 26, 7800-7806. | 7.8 | 68 |
| 53 | Mesoporous Silicaâ€Coated Plasmonic Nanostructures for Surfaceâ€Enhanced Raman Scattering Detection and Photothermal Therapy. Advanced Healthcare Materials, 2014, 3, 1620-1628. | 3.9 | 65 |
| 54 | Toward understanding the interaction within Silicon-based anodes for stable lithium storage. Chemical Engineering Journal, 2020, 385, 123821. | 6.6 | 65 |

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| 55 | Efficient Photocatalytic Degradation of the Persistent PET Fiber-Based Microplastics over Pt Nanoparticles Decorated N-Doped TiO2 Nanoflowers. Advanced Fiber Materials, 2022, 4, 1094-1107. | 7.9 | 65 |
| 56 | Electrically Conductive and Mechanically Strong Graphene/Mullite Ceramic Composites for High-Performance Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 39245-39256. | 4.0 | 64 |
| 57 | A versatile designed synthesis of magnetically separable nano-catalysts with well-defined coreâ€“shell nanostructures. Journal of Materials Chemistry A, 2014, 2, 6071-6074. | 5.2 | 63 |
| 58 | Nanoscale zero-valent iron in mesoporous carbon (nZVI@C): stable nanoparticles for metal extraction and catalysis. Journal of Materials Chemistry A, 2017, 5, 4478-4485. | 5.2 | 62 |
| 59 | Oneâ€Step Hydrothermal Synthesis of Carboxylâ€Functionalized Upconversion Phosphors for Bioapplications. Chemistry - A European Journal, 2012, 18, 13642-13650. | 1.7 | 61 |
| 60 | Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. Journal of Materials Chemistry A, 2019, 7, 24715-24737. | 5.2 | 61 |
| 61 | Highly Ordered Dual Porosity Mesoporous Cobalt Oxide for Sodiumâ€Ion Batteries. Advanced Materials Interfaces, 2016, 3, 1500464. | 1.9 | 60 |
| 62 | Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 700-708. | 4.5 | 60 |
| 63 | Aqueous preparation of surfactant-free copper selenide nanowires. Journal of Colloid and Interface Science, 2015, 442, 140-146. | 5.0 | 58 |
| 64 | Achieving high-performance nitrate electrocatalysis with PdCu nanoparticles confined in nitrogen-doped carbon coralline. Nanoscale, 2018, 10, 19023-19030. | 2.8 | 57 |
| 65 | Bimetallic PdCu Nanocrystals Immobilized by Nitrogen-Containing Ordered Mesoporous Carbon for Electrocatalytic Denitrification. ACS Applied Materials & Interfaces, 2019, 11, 3861-3868. | 4.0 | 57 |
| 66 | When Silicon Materials Meet Natural Sources: Opportunities and Challenges for Lowâ€Cost Lithium Storage. Small, 2021, 17, e1904508. | 5.2 | 56 |
| 67 | Synthesis of freestanding PEDOT:PSS/PVA@Ag NPs nanofiber film for high-performance flexible thermoelectric generator. Polymer, 2019, 167, 102-108. | 1.8 | 55 |
| 68 | Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. Coatings, 2018, 8, 244. | 1.2 | 54 |
| 69 | Modulating the Electronic Structure of FeCo Nanoparticles in Nâ€Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction. Advanced Science, 2022, 9, e2200394. | 5.6 | 52 |
| 70 | Interface-Amorphized Ti<sub>3</sub>C<sub>2</sub>@Si/SiO<i><sub>x</sub></i>@TiO<sub>2</sub> Anodes with Sandwiched Structures and Stable Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 24796-24805. | 4.0 | 51 |
| 71 | Conversion of Catalytically Inert 2D Bismuth Oxide Nanosheets for Effective Electrochemical Hydrogen Evolution Reaction Catalysis via Oxygen Vacancy Concentration Modulation. Nano-Micro Letters, 2022, 14, 90. | 14.4 | 51 |
| 72 | Boron heteroatom-doped siliconâ€“carbon peanut-like composites enables long life lithium-ion batteries. Rare Metals, 2022, 41, 1276-1283. | 3.6 | 50 |

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| 73 | Mesoporous Materialsâ€"Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. Small, 2021, 17, e1904022. | 5.2 | 49 |
| 74 | Fiber Materials for Electrocatalysis Applications. Advanced Fiber Materials, 2022, 4, 720-735. | 7.9 | 48 |
| 75 | Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. ACS Applied Materials & Interfaces, 2019, 11, 22457-22463. | 4.0 | 45 |
| 76 | Mesoporous carbon confined palladiumâ€"copper alloy composites for high performance nitrogen selective nitrate reduction electrocatalysis. New Journal of Chemistry, 2017, 41, 2349-2357. | 1.4 | 44 |
| 77 | Photosensitizer Nanodot Eliciting Immunogenicity for Photoâ€Immunologic Therapy of Postoperative Methicillinâ€Resistant <i>Staphylococcus aureus</i> Infection and Secondary Recurrence. Advanced Materials, 2022, 34, e2107300. | 11.1 | 44 |
| 78 | Facile preparation of Cuâ€"Mn/CeO2/SBA-15 catalysts using ceria as an auxiliary for advanced oxidation processes. Journal of Materials Chemistry A, 2014, 2, 10654. | 5.2 | 42 |
| 79 | Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. Chemical Communications, 2014, 50, 713-715. | 2.2 | 40 |
| 80 | Boron-iron nanochains for selective electrocatalytic reduction of nitrate. Chinese Chemical Letters, 2021, 32, 2073-2078. | 4.8 | 39 |
| 81 | A curing agent method to synthesize ordered mesoporous carbons from linear novolac phenolic resin polymers. Journal of Materials Chemistry, 2009, 19, 6536. | 6.7 | 38 |
| 82 | Bowl-like mesoporous polymer-induced interface growth of molybdenum disulfide for stable lithium storage. Chemical Engineering Journal, 2020, 381, 122651. | 6.6 | 37 |
| 83 | Pushing the Limit of Ordered Mesoporous Materials via 2D Selfâ€Assembly for Energy Conversion and Storage. Advanced Functional Materials, 2021, 31, 2007496. | 7.8 | 36 |
| 84 | A Universal Singleâ€Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 34 |
| 85 | Controllable fabrication of dendritic mesoporous silicaâ€"carbon nanospheres for anthracene removal. Journal of Materials Chemistry A, 2014, 2, 11045. | 5.2 | 33 |
| 86 | Facile synthesis of mesoporous WO3@graphene aerogel nanocomposites for low-temperature acetone sensing. Chinese Chemical Letters, 2019, 30, 2032-2038. | 4.8 | 33 |
| 87 | Multiscale architectures boosting thermoelectric performance of copper sulfide compound. Rare Metals, 2021, 40, 2017-2025. | 3.6 | 33 |
| 88 | Phenyl-functionalized mesoporous silica materials for the rapid and efficient removal of phthalate esters. Journal of Colloid and Interface Science, 2017, 487, 354-359. | 5.0 | 32 |
| 89 | Mesoporous WO3 Nanofibers With Crystalline Framework for High-Performance Acetone Sensing. Frontiers in Chemistry, 2019, 7, 266. | 1.8 | 32 |
| 90 | Cobalt-Based Metal-Organic Frameworks and Their Derivatives for Hydrogen Evolution Reaction. Frontiers in Chemistry, 2020, 8, 592915. | 1.8 | 32 |

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| 91 | Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. Advanced Science, 2021, 8, e2102859. | 5.6 | 32 |
| 92 | A Highâ€Rate Electrode with Grotthuss Topochemistry for Membraneâ€Free Decoupled Acid Water Electrolysis. Advanced Energy Materials, 2021, 11, 2102057. | 10.2 | 31 |
| 93 | Branched Artificial Nanofinger Arrays by Mesoporous Interfacial Atomic Rearrangement. Journal of the American Chemical Society, 2015, 137, 4260-4266. | 6.6 | 30 |
| 94 | Bone infection site targeting nanoparticle-antibiotics delivery vehicle to enhance treatment efficacy of orthopedic implant related infection. Bioactive Materials, 2022, 16, 134-148. | 8.6 | 30 |
| 95 | Feasible Degradation of Polyethylene Terephthalate Fiberâ€Based Microplastics in Alkaline Media with Bi<sub>2</sub>O<sub>3</sub>@Nâ€TiO<sub>2</sub> Zâ€Scheme Photocatalytic System. Advanced Sustainable Systems, 2022, 6, . | 2.7 | 30 |
| 96 | Encapsulation of coreâ€"satellite silicon in carbon for rational balance of the void space and capacity. Chemical Communications, 2019, 55, 10531-10534. | 2.2 | 29 |
| 97 | Achieving effective broadband microwave absorption with Fe3O4@C supraparticles. Journal of Materiomics, 2021, 7, 80-88. | 2.8 | 29 |
| 98 | Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. Journal of Materials Chemistry A, 2016, 4, 3850-3857. | 5.2 | 28 |
| 99 | Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. Journal of Materials Chemistry A, 2016, 4, 16446-16453. | 5.2 | 27 |
| 100 | A confined micro-reactor with a movable Fe3O4 core and a mesoporous TiO2 shell for a photocatalytic Fenton-like degradation of bisphenol A. Chinese Chemical Letters, 2021, 32, 1456-1461. | 4.8 | 27 |
| 101 | Facile Fabrication of Dendritic Mesoporous SiO<sub>2</sub>@CdTe@SiO<sub>2</sub> Fluorescent Nanoparticles for Bioimaging. Particle and Particle Systems Characterization, 2016, 33, 261-270. | 1.2 | 26 |
| 102 | Surface Anchoring Approach for Growth of CeO<sub>2</sub> Nanocrystals on Prussian Blue Capsules Enable Superior Lithium Storage. ACS Applied Materials & Interfaces, 2019, 11, 33082-33090. | 4.0 | 25 |
| 103 | TiO<sub>2</sub> interpenetrating networks decorated with SnO<sub>2</sub> nanocrystals: enhanced activity of selective catalytic reduction of NO with NH<sub>3</sub>. Journal of Materials Chemistry A, 2015, 3, 1405-1409. | 5.2 | 24 |
| 104 | Big Potential From Silicon-Based Porous Nanomaterials: In Field of Energy Storage and Sensors. Frontiers in Chemistry, 2018, 6, 539. | 1.8 | 24 |
| 105 | Iron nanoparticles in capsules: derived from mesoporous silica-protected Prussian blue microcubes for efficient selenium removal. Chemical Communications, 2018, 54, 5887-5890. | 2.2 | 24 |
| 106 | Interface Heteroatomâ€doping: Emerging Solutions to Siliconâ€based Anodes. Chemistry - an Asian Journal, 2020, 15, 1394-1404. | 1.7 | 24 |
| 107 | Biodegradation and catalytic-chemical degradation strategies to mitigate microplastic pollution. Sustainable Materials and Technologies, 2021, 28, e00251. | 1.7 | 24 |
| 108 | Multiâ€Mode Antibacterial Strategies Enabled by Geneâ€Transfection and Immunomodulatory Nanoparticles in 3Dâ€Printed Scaffolds for Synergistic Exogenous and Endogenous Treatment of Infections. Advanced Materials, 2022, 34, e2200096. | 11.1 | 24 |

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| 109 | Preparation of a mesoporous Cuâ€"Mn/TiO<sub>2</sub> composite for the degradation of Acid Red 1. Journal of Materials Chemistry A, 2015, 3, 7399-7405. | 5.2 | 23 |
| 110 | Exposed metal oxide active sites on mesoporous titania channels: a promising design for low-temperature selective catalytic reduction of NO with NH<sub>3</sub>. Chemical Communications, 2018, 54, 3783-3786. | 2.2 | 23 |
| 111 | Ordered Mesoporous Carbonaceous Materials with Tunable Surface Property for Enrichment of Hexachlorobenzene. Langmuir, 2016, 32, 9922-9929. | 1.6 | 21 |
| 112 | Boosting the electrocatalysis of nitrate to nitrogen with iron nanoparticles embedded in carbon microspheres. Chemical Communications, 2020, 56, 14685-14688. | 2.2 | 21 |
| 113 | Boosting initial coulombic efficiency of Si-based anodes: a review. Emergent Materials, 2020, 3, 369-380. | 3.2 | 21 |
| 114 | Regulating the carbon distribution of anode materials in lithium-ion batteries. Nanoscale, 2021, 13, 3937-3947. | 2.8 | 21 |
| 115 | Synergy between copper and iron sites inside carbon nanofibers for superior electrocatalytic denitrification. Nanoscale, 2021, 13, 10108-10115. | 2.8 | 20 |
| 116 | Facile synthesis of highly stable and well-dispersed mesoporous ZrO2/carbon composites with high performance in oxidative dehydrogenation of ethylbenzene. Physical Chemistry Chemical Physics, 2010, 12, 10996. | 1.3 | 19 |
| 117 | Boric acid assisted formation of mesostructured silica: from hollow spheres to hierarchical assembly. RSC Advances, 2014, 4, 20069-20076. | 1.7 | 19 |
| 118 | Spatially Confined Tuning the Interfacial Synergistic Catalysis in Mesochannels toward Selective Catalytic Reduction. ACS Applied Materials & Interfaces, 2019, 11, 19242-19251. | 4.0 | 19 |
| 119 | Hydrothermal Synthesis and Photoluminescence of Hierarchical Lead Tungstate Superstructures: Effects of Reaction Temperature and Surfactants. European Journal of Inorganic Chemistry, 2010, 2010, 1736-1742. | 1.0 | 18 |
| 120 | A versatile in situ etching-growth strategy for synthesis of yolkâ€"shell structured periodic mesoporous organosilica nanocomposites. RSC Advances, 2016, 6, 51470-51479. | 1.7 | 16 |
| 121 | Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. Angewandte Chemie, 2019, 131, 6741-6745. | 1.6 | 16 |
| 122 | Porousâ€Carbonâ€Confined Formation of Monodisperse Iron Nanoparticle Yolks toward Versatile Nanoreactors for Metal Extraction. Chemistry - A European Journal, 2018, 24, 15663-15668. | 1.7 | 15 |
| 123 | Spatially Nanoconfined Architectures: A Promising Design for Selective Catalytic Reduction of NO<sub>x</sub>. ChemCatChem, 2020, 12, 5599-5610. | 1.8 | 15 |
| 124 | Confined interfacial micelle aggregating assembly of ordered macroâ€"mesoporous tungsten oxides for H<sub>2</sub>S sensing. Nanoscale, 2020, 12, 20811-20819. | 2.8 | 15 |
| 125 | Flexible electrocatalysts: interfacial-assembly of iron nanoparticles for nitrate reduction. Chemical Communications, 2021, 57, 6740-6743. | 2.2 | 15 |
| 126 | Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO 2 Reduction to C 2+. Angewandte Chemie, 2021, 133, 11588-11594. | 1.6 | 15 |

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| 127 | Dianhydride-based polyimide as organic electrode materials for aqueous hydronium-ion battery. Electrochimica Acta, 2022, 403, 139550. | 2.6 | 15 |
| 128 | Engineering Carbon Distribution in Siliconâ€Based Anodes at Multiple Scales. Chemistry - A European Journal, 2020, 26, 1488-1496. | 1.7 | 14 |
| 129 | Comparison of Additives in Anode: The Case of Graphene, MXene, CNTs Integration with Silicon Inside Carbon Nanofibers. Acta Metallurgica Sinica (English Letters), 2021, 34, 337-346. | 1.5 | 14 |
| 130 | Site-selective exposure of iron nanoparticles to achieve rapid interface enrichment for heavy metals. Chemical Communications, 2020, 56, 2795-2798. | 2.2 | 13 |
| 131 | Nearâ€Infraredâ€Lightâ€Induced Fast Drug Release Platform: Mesoporous Silicaâ€Coated Gold Nanoframes for Thermochemotherapy. Particle and Particle Systems Characterization, 2016, 33, 316-322. | 1.2 | 12 |
| 132 | Interfacial engineering of core-shell structured mesoporous architectures from single-micelle building blocks. Nano Today, 2020, 35, 100940. | 6.2 | 12 |
| 133 | Enhancing the thermoelectric performance of filled skutterudite nanocomposites in a wide temperature range via electroless silver plating. Scripta Materialia, 2018, 146, 136-141. | 2.6 | 11 |
| 134 | Regulating ambient pressure approach to graphitic carbon nitride towards dispersive layers and rich pyridinic nitrogen. Chinese Chemical Letters, 2020, 31, 1603-1607. | 4.8 | 10 |
| 135 | Phase engineering of dual active 2D Bi<sub>2</sub>O<sub>3</sub>-based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. Journal of Materials Chemistry A, 2022, 10, 808-817. | 5.2 | 10 |
| 136 | Confined self-assembly of SiOC nanospheres in graphene film to achieve cycle stability of lithium ion batteries. New Journal of Chemistry, 2022, 46, 6519-6527. | 1.4 | 10 |
| 137 | A Universal Singleâ€Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. Angewandte Chemie, 2022, 134, . | 1.6 | 9 |
| 138 | Iron Nanoparticles Confined in Periodic Mesoporous Organosilicon as Nanoreactors for Efficient Nitrate Reduction. ACS Applied Nano Materials, 2022, 5, 5149-5157. | 2.4 | 9 |
| 139 | Lowâ€Dimensional Copper Selenide Nanostructures: Controllable Morphology and its Dependence on Electrocatalytic Performance. ChemElectroChem, 2019, 6, 574-580. | 1.7 | 8 |
| 140 | Regulating the interfacial behavior of carbon nanotubes for fast lithium storage. Electrochimica Acta, 2021, 388, 138591. | 2.6 | 7 |
| 141 | Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. Science China Materials, 2021, 64, 2486-2496. | 3.5 | 6 |
| 142 | Electrostatic Interactions Leading to Hierarchical Interpenetrating Electroconductive Networks in Silicon Anodes for Fast Lithium Storage. Chemistry - A European Journal, 2021, 27, 9320-9327. | 1.7 | 6 |
| 143 | Enhanced sequestration of large-sized dissolved organic micropollutants in polymeric membranes incorporated with mesoporous carbon. RSC Advances, 2016, 6, 81477-81484. | 1.7 | 5 |
| 144 | Polydopamine-Derived Carbon: What a Critical Role for Lithium Storage?. Frontiers in Energy Research, 2020, 8, . | 1.2 | 5 |

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| 145 | A triblock-copolymer-templating route to carbon spheres@SBA-15 large mesopore coreâ€“shell and hollow structures. RSC Advances, 2014, 4, 48676-48681. | 1.7 | 4 |
| 146 | Corncob Derived Porous Carbon Anode for Long-Term Cycling in Low-Cost Lithium Storage. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, . | 1.1 | 4 |
| 147 | Exploring Thermoelectric Property Improvement for Binary Copper Chalcogenides. Frontiers in Materials, 2020, 7, . | 1.2 | 3 |
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