

Yunfeng Lu

List of Publications by Year in descending order

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160
papers

9,915
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26630

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docs citations

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times ranked

13099
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO ₂ â€“Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. ACS Nano, 2017, 11, 2952-2960. | 14.6 | 542 |
| 2 | A novel intracellular protein delivery platform based on single-protein nanocapsules. Nature Nanotechnology, 2010, 5, 48-53. | 31.5 | 394 |
| 3 | Towards superior volumetric performance: design and preparation of novel carbon materials for energy storage. Energy and Environmental Science, 2015, 8, 1390-1403. | 30.8 | 364 |
| 4 | Highâ€“Performance Supercapacitors Based on Nanocomposites of Nb ₂ O ₅ Nanocrystals and Carbon Nanotubes. Advanced Energy Materials, 2011, 1, 1089-1093. | 19.5 | 312 |
| 5 | Biomimetic enzyme nanocomplexes and their use as antidotes and preventive measures for alcohol intoxication. Nature Nanotechnology, 2013, 8, 187-192. | 31.5 | 289 |
| 6 | Vertically Aligned Lithiophilic CuO Nanosheets on a Cu Collector to Stabilize Lithium Deposition for Lithium Metal Batteries. Advanced Energy Materials, 2018, 8, 1703404. | 19.5 | 274 |
| 7 | Creating Lithiumâ€“Ion Electrolytes with Biomimetic Ionic Channels in Metalâ€“Organic Frameworks. Advanced Materials, 2018, 30, e1707476. | 21.0 | 230 |
| 8 | Inward lithium-ion breathing of hierarchically porous silicon anodes. Nature Communications, 2015, 6, 8844. | 12.8 | 217 |
| 9 | Highâ€“Performance Supercapacitors Based on Hierarchically Porous Graphite Particles. Advanced Energy Materials, 2011, 1, 551-556. | 19.5 | 194 |
| 10 | Anionâ€“Sorbent Composite Separators for Highâ€“Rate Lithiumâ€“Ion Batteries. Advanced Materials, 2019, 31, e1808338. | 21.0 | 178 |
| 11 | Co-electro-deposition of the MnO ₂ â€“PEDOT:PSS nanostructured composite for high areal mass, flexible asymmetric supercapacitor devices. Journal of Materials Chemistry A, 2013, 1, 12432. | 10.3 | 163 |
| 12 | In Situ High-Level Nitrogen Doping into Carbon Nanospheres and Boosting of Capacitive Charge Storage in Both Anode and Cathode for a High-Energy 4.5 V Full-Carbon Lithium-Ion Capacitor. Nano Letters, 2018, 18, 3368-3376. | 9.1 | 163 |
| 13 | Hierarchical Nanostructured WO ₃ with Biomimetic Proton Channels and Mixed Ionic-Electronic Conductivity for Electrochemical Energy Storage. Nano Letters, 2015, 15, 6802-6808. | 9.1 | 157 |
| 14 | Self-Assembled 3D Graphene Monolith from Solution. Journal of Physical Chemistry Letters, 2015, 6, 658-668. | 4.6 | 152 |
| 15 | Reduction of Graphene Oxide by Hydrogen Sulfide: A Promising Strategy for Pollutant Control and as an Electrode for Liâ€“S Batteries. Advanced Energy Materials, 2014, 4, 1301565. | 19.5 | 149 |
| 16 | In Situ Doping Boron Atoms into Porous Carbon Nanoparticles with Increased Oxygen Graft Enhances both Affinity and Durability toward Electrolyte for Greatly Improved Supercapacitive Performance. Advanced Functional Materials, 2018, 28, 1804190. | 14.9 | 149 |
| 17 | Graphitic Carbon Nitride Induced Microâ€“Electric Field for Dendriteâ€“Free Lithium Metal Anodes. Advanced Energy Materials, 2019, 9, 1803186. | 19.5 | 147 |
| 18 | Graphene Caging Silicon Particles for Highâ€“Performance Lithiumâ€“Ion Batteries. Small, 2018, 14, e1800635. | 10.0 | 146 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | High-performance flexible lithium-ion electrodes based on robust network architecture. <i>Energy and Environmental Science</i> , 2012, 5, 6845. | 30.8 | 144 |
| 20 | High-quality mesoporous graphene particles as high-energy and fast-charging anodes for lithium-ion batteries. <i>Nature Communications</i> , 2019, 10, 1474. | 12.8 | 140 |
| 21 | Protein Nanocapsule Weaved with Enzymatically Degradable Polymeric Network. <i>Nano Letters</i> , 2009, 9, 4533-4538. | 9.1 | 139 |
| 22 | Fabrication of Hybrid Silicate Coatings by a Simple Vapor Deposition Method for Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2018, 8, 1701744. | 19.5 | 138 |
| 23 | Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. <i>ACS Nano</i> , 2017, 11, 2697-2705. | 14.6 | 132 |
| 24 | Tin-graphene tubes as anodes for lithium-ion batteries with high volumetric and gravimetric energy densities. <i>Nature Communications</i> , 2020, 11, 1374. | 12.8 | 127 |
| 25 | An elastomeric transparent composite electrode based on copper nanowires and polyurethane. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1298-1305. | 5.5 | 123 |
| 26 | MOFs Conferred with Transient Metal Centers for Enhanced Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17182-17186. | 13.8 | 121 |
| 27 | A Lightweight 3D Cu Nanowire Network with Phosphidation Gradient as Current Collector for High-Density Nucleation and Stable Deposition of Lithium. <i>Advanced Materials</i> , 2019, 31, e1904991. | 21.0 | 114 |
| 28 | Dual redox mediators accelerate the electrochemical kinetics of lithium-sulfur batteries. <i>Nature Communications</i> , 2020, 11, 5215. | 12.8 | 113 |
| 29 | “Stiff”-“Soft” Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1806407. | 14.9 | 111 |
| 30 | Hierarchical manganese oxide/carbon nanocomposites for supercapacitor electrodes. <i>Nano Research</i> , 2011, 4, 216-225. | 10.4 | 102 |
| 31 | Ionic Liquid-Assisted Synthesis of TiO ₂ -Carbon Hybrid Nanostructures for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 1338-1346. | 14.9 | 97 |
| 32 | Dense Graphene Monolith for High Volumetric Energy Density Li-S Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703438. | 19.5 | 97 |
| 33 | A three-dimensional graphene skeleton as a fast electron and ion transport network for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3031. | 10.3 | 96 |
| 34 | A high-density graphene-sulfur assembly: a promising cathode for compact Li-S batteries. <i>Nanoscale</i> , 2015, 7, 5592-5597. | 5.6 | 92 |
| 35 | Biodegradable Polymer with Effective Near-Infrared Absorption as a Photothermal Agent for Deep Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, e2105976. | 21.0 | 92 |
| 36 | Synthesis of “graphene-like” mesoporous carbons for shape-stabilized phase change materials with high loading capacity and improved latent heat. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24321-24328. | 10.3 | 87 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Efficient Delivery of Nerve Growth Factors to the Central Nervous System for Neural Regeneration. <i>Advanced Materials</i> , 2019, 31, e1900727. | 21.0 | 85 |
| 38 | Systemic Delivery of Monoclonal Antibodies to the Central Nervous System for Brain Tumor Therapy. <i>Advanced Materials</i> , 2019, 31, e1805697. | 21.0 | 84 |
| 39 | A carbon sandwich electrode with graphene filling coated by N-doped porous carbon layers for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20218-20224. | 10.3 | 83 |
| 40 | Low voltage and hysteresis-free blue phase liquid crystal dispersed by ferroelectric nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 19629. | 6.7 | 82 |
| 41 | One-Step Synthesis of Microporous Carbon Monoliths Derived from Biomass with High Nitrogen Doping Content for Highly Selective CO ₂ Capture. <i>Scientific Reports</i> , 2016, 6, 30049. | 3.3 | 82 |
| 42 | High-performance ultrafiltration membranes based on polyethersulfone-graphene oxide composites. <i>RSC Advances</i> , 2013, 3, 21394. | 3.6 | 79 |
| 43 | A Bioinspired Platform for Effective Delivery of Protein Therapeutics to the Central Nervous System. <i>Advanced Materials</i> , 2019, 31, e1807557. | 21.0 | 79 |
| 44 | Nitrogen-rich carbon spheres made by a continuous spraying process for high-performance supercapacitors. <i>Nano Research</i> , 2016, 9, 3209-3221. | 10.4 | 78 |
| 45 | Phosphorylcholine polymer nanocapsules prolong the circulation time and reduce the immunogenicity of therapeutic proteins. <i>Nano Research</i> , 2016, 9, 1022-1031. | 10.4 | 77 |
| 46 | Sustained delivery and molecular targeting of a therapeutic monoclonal antibody to metastases in the central nervous system of mice. <i>Nature Biomedical Engineering</i> , 2019, 3, 706-716. | 22.5 | 75 |
| 47 | Ion-Transport-Rectifying Layer Enables Li-Metal Batteries with High Energy Density. <i>Matter</i> , 2020, 3, 1685-1700. | 10.0 | 75 |
| 48 | Enzyme-Responsive Delivery of Multiple Proteins with Spatiotemporal Control. <i>Advanced Materials</i> , 2015, 27, 3620-3625. | 21.0 | 73 |
| 49 | Anchoring anions with metal-organic framework-functionalized separators for advanced lithium batteries. <i>Nanoscale Horizons</i> , 2019, 4, 705-711. | 8.0 | 71 |
| 50 | Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Li-S batteries. <i>Nanoscale</i> , 2016, 8, 4447-4451. | 5.6 | 69 |
| 51 | Demystifying the catalysis in lithium-sulfur batteries: Characterization methods and techniques. <i>SusMat</i> , 2021, 1, 51-65. | 14.9 | 68 |
| 52 | Co(^{II}) complexes loaded into metal-organic frameworks as efficient heterogeneous catalysts for aerobic epoxidation of olefins. <i>Catalysis Science and Technology</i> , 2016, 6, 161-168. | 4.1 | 66 |
| 53 | Post Iron Decoration of Mesoporous Nitrogen-Doped Carbon Spheres for Efficient Electrochemical Oxygen Reduction. <i>Advanced Energy Materials</i> , 2017, 7, 1701154. | 19.5 | 65 |
| 54 | Multi-functional anodes boost the transient power and durability of proton exchange membrane fuel cells. <i>Nature Communications</i> , 2020, 11, 1191. | 12.8 | 65 |

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|----|---|------|-----------|
| 55 | Surfactant-Templated Mesoporous Materials: From Inorganic to Hybrid to Organic. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7664-7667. | 13.8 | 63 |
| 56 | An Antioxidant Enzyme Therapeutic for COVID-19. <i>Advanced Materials</i> , 2020, 32, e2004901. | 21.0 | 61 |
| 57 | In Situ Modification of the Tumor Cell Surface with Immunomodulating Nanoparticles for Effective Suppression of Tumor Growth in Mice. <i>Advanced Materials</i> , 2019, 31, e1902542. | 21.0 | 58 |
| 58 | 3D Hydrangea Macrophylla-like Nickel-Vanadium Metal-Organic Frameworks Formed by Self-Assembly of Ultrathin 2D Nanosheets for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48495-48510. | 8.0 | 57 |
| 59 | A General Synthesis of Cu-In-S Based Multicomponent Solid-Solution Nanocrystals with Tunable Band Gap, Size, and Structure. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17293-17297. | 3.1 | 53 |
| 60 | A lightweight carbon nanofiber-based 3D structured matrix with high nitrogen-doping level for lithium metal anodes. <i>Science China Materials</i> , 2019, 62, 87-94. | 6.3 | 53 |
| 61 | Prolonging the plasma circulation of proteins by nano-encapsulation with phosphorylcholine-based polymer. <i>Nano Research</i> , 2016, 9, 2424-2432. | 10.4 | 51 |
| 62 | Electrolyte Membranes with Biomimetic Lithium-Ion Channels. <i>Nano Letters</i> , 2020, 20, 5435-5442. | 9.1 | 49 |
| 63 | Confined growth of Li ₄ Ti ₅ O ₁₂ nanoparticles in nitrogen-doped mesoporous graphene fibers for high-performance lithium-ion battery anodes. <i>Nano Research</i> , 2016, 9, 230-239. | 10.4 | 48 |
| 64 | Facilitating Lithium-Ion Conduction in Gel Polymer Electrolyte by Metal-Organic Frameworks. , 2020, 2, 1435-1441. | | 48 |
| 65 | Enzyme therapeutics for systemic detoxification. <i>Advanced Drug Delivery Reviews</i> , 2015, 90, 24-39. | 13.7 | 44 |
| 66 | Electrolyte Interphase Built from Anionic Covalent Organic Frameworks for Lithium Dendrite Suppression. <i>Advanced Functional Materials</i> , 2021, 31, 2009718. | 14.9 | 43 |
| 67 | Encapsulation of SnO ₂ nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18706-18710. | 10.3 | 42 |
| 68 | Spheres of Graphene and Carbon Nanotubes Embedding Silicon as Mechanically Resilient Anodes for Lithium-Ion Batteries. <i>Nano Letters</i> , 2022, 22, 3054-3061. | 9.1 | 42 |
| 69 | Water-medium isomerization of homoallylic alcohol over a Ru(II) organometallic complex immobilized on FDU-12 support. <i>Green Chemistry</i> , 2007, 9, 500. | 9.0 | 41 |
| 70 | Growth-Factor Nanocapsules That Enable Tunable Controlled Release for Bone Regeneration. <i>ACS Nano</i> , 2016, 10, 7362-7369. | 14.6 | 41 |
| 71 | Robust Single-Molecule Enzyme Nanocapsules for Biosensing with Significantly Improved Biosensor Stability. <i>Analytical Chemistry</i> , 2020, 92, 5830-5837. | 6.5 | 41 |
| 72 | Packing sulfur into carbon framework for high volumetric performance lithium-sulfur batteries. <i>Science China Materials</i> , 2015, 58, 349-354. | 6.3 | 40 |

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|----|--|------|-----------|
| 73 | Particulate Anion Sorbents as Electrolyte Additives for Lithium Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003055. | 14.9 | 38 |
| 74 | Symmetric growth of Pt ultrathin nanowires from dumbbell nuclei for use as oxygen reduction catalysts. <i>Nano Research</i> , 2012, 5, 145-151. | 10.4 | 36 |
| 75 | Photothermal effect of azopyridine compounds and their applications. <i>RSC Advances</i> , 2015, 5, 4675-4680. | 3.6 | 36 |
| 76 | A novel Granzyme B nanoparticle delivery system simulates immune cell functions for suppression of solid tumors. <i>Theranostics</i> , 2019, 9, 7616-7627. | 10.0 | 35 |
| 77 | 3D Graphene Nanostructure Composed of Porous Carbon Sheets and Interconnected Nanocages for High-Performance Lithium-Ion Battery Anodes and Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11241-11249. | 6.7 | 34 |
| 78 | A wavy graphene/platinum hybrid with increased electroactivity for the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1940-1946. | 10.3 | 33 |
| 79 | Graphite-Embedded Lithium Iron Phosphate for High-Power Energy Cathodes. <i>Nano Letters</i> , 2021, 21, 2572-2579. | 9.1 | 33 |
| 80 | Monolithic nitrogen-doped graphene frameworks as ultrahigh-rate anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15738-15744. | 10.3 | 31 |
| 81 | Encapsulating Therapeutic Proteins with Polyzwitterions for Lower Macrophage Nonspecific Uptake and Longer Circulation Time. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7972-7978. | 8.0 | 30 |
| 82 | Hierarchical Assembly of Organic/Inorganic Building Molecules with π - π Interactions. <i>Advanced Functional Materials</i> , 2008, 18, 1526-1535. | 14.9 | 29 |
| 83 | Use of regenerated cellulose to direct hetero-assembly of nanoparticles with carbon nanotubes for producing flexible battery anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13944-13949. | 10.3 | 28 |
| 84 | Novel Mussel-Inspired Universal Surface Functionalization Strategy: Protein-Based Coating with Residue-Specific Post-Translational Modification in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12846-12853. | 8.0 | 28 |
| 85 | Polyacrylic Acid Assisted Assembly of Oxide Particles and Carbon Nanotubes for High-Performance Flexible Battery Anodes. <i>Advanced Energy Materials</i> , 2015, 5, 1401207. | 19.5 | 27 |
| 86 | Nanolayered Carbon/Silica Superstructures via Organosilane Assembly. <i>Advanced Materials</i> , 2008, 20, 1199-1204. | 21.0 | 26 |
| 87 | High-Conductivity Dispersibility Graphene Made by Catalytic Exfoliation of Graphite for Lithium-Ion Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2007630. | 14.9 | 26 |
| 88 | Aerosol assisted synthesis of silica/phenolic resin composite mesoporous hollow spheres. <i>Colloid and Polymer Science</i> , 2008, 286, 1361-1368. | 2.1 | 25 |
| 89 | Carbon nanotube-penetrated mesoporous V_2O_5 microspheres as high-performance cathode materials for lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 21018-21022. | 3.6 | 25 |
| 90 | Imparting magnetic functionality to iron-based MIL-101 via facile Fe_3O_4 nanoparticle encapsulation: an efficient and recoverable catalyst for aerobic oxidation. <i>RSC Advances</i> , 2015, 5, 78962-78970. | 3.6 | 25 |

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|-----|---|------|-----------|
| 91 | Oneâ€Pot Fabrication of Hierarchical Nanosheetâ€Based TiO ₂ â€Carbon Hollow Microspheres for Anode Materials of Highâ€Rate Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 6031-6036. | 3.3 | 25 |
| 92 | Iron-decorated nitrogen-rich carbons as efficient oxygen reduction electrocatalysts for Znâ€air batteries. Nanoscale, 2018, 10, 16996-17001. | 5.6 | 25 |
| 93 | Class of Solid-like Electrolytes for Rechargeable Batteries Based on Metalâ€Organic Frameworks Infiltrated with Liquid Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 43824-43832. | 8.0 | 25 |
| 94 | Robust lithium-ion anodes based on nanocomposites of iron oxideâ€carbonâ€silicate. Journal of Materials Chemistry A, 2013, 1, 4539. | 10.3 | 24 |
| 95 | Vapor deposition of aluminium oxide into N-rich mesoporous carbon framework as a reversible sulfur host for lithium-sulfur battery cathode. Nano Research, 2021, 14, 131-138. | 10.4 | 24 |
| 96 | Nanocapsules of therapeutic proteins with enhanced stability and long blood circulation for hyperuricemia management. Journal of Controlled Release, 2017, 255, 54-61. | 9.9 | 22 |
| 97 | A Hepatocyteâ€Mimicking Antidote for Alcohol Intoxication. Advanced Materials, 2018, 30, e1707443. | 21.0 | 22 |
| 98 | A Powder Metallurgic Approach toward Highâ€Performance Lithium Metal Anodes. Small, 2020, 16, e2000794. | 10.0 | 22 |
| 99 | Porous carbon microspheres with highly graphitized structure for potassium-ion storage. Journal of Colloid and Interface Science, 2020, 577, 48-53. | 9.4 | 22 |
| 100 | Fabrication of hierarchical composite microspheres of copper-doped Fe ₃ O ₄ @P4VP@ZIF-8 and their application in aerobic oxidation. New Journal of Chemistry, 2016, 40, 10127-10135. | 2.8 | 21 |
| 101 | Mussel-inspired triblock functional protein coating with endothelial cell selectivity for endothelialization. Journal of Colloid and Interface Science, 2020, 576, 68-78. | 9.4 | 19 |
| 102 | Efficient synthesis of PbTe nanoparticle networks. Nano Research, 2010, 3, 685-693. | 10.4 | 18 |
| 103 | Synthesis of composite microgel capsules by ultrasonic spray combined with in situ crosslinking. Soft Matter, 2011, 7, 6144. | 2.7 | 18 |
| 104 | Thermally Robust Porous Bimetallic (Ni _x Pt _{1-x}) Alloy Mesocrystals within Carbon Framework: High-Performance Catalysts for Oxygen Reduction and Hydrogenation Reactions. ACS Applied Materials & Interfaces, 2019, 11, 21435-21444. | 8.0 | 18 |
| 105 | Covalently Bonded Siâ€Polymer Nanocomposites Enabled by Mechanochemical Synthesis as Durable Anode Materials. ACS Applied Materials & Interfaces, 2020, 12, 39127-39134. | 8.0 | 18 |
| 106 | High Performance Sodium Ion Anodes Based on Sn ₄ P ₃ Encapsulated within Amphiphilic Graphene Tubes. Advanced Energy Materials, 2022, 12, . | 19.5 | 18 |
| 107 | Synthesis of protein nano-conjugates for cancer therapy. Nano Research, 2011, 4, 425-433. | 10.4 | 17 |
| 108 | Functional Mesoporous Polymers From Phenolic Building Oligomers. Macromolecular Rapid Communications, 2008, 29, 442-446. | 3.9 | 16 |

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|-----|--|------|-----------|
| 109 | A Virtual Water Assessment Methodology for Cropping Pattern Investigation. <i>Water Resources Management</i> , 2014, 28, 2331-2349. | 3.9 | 16 |
| 110 | Nanocapsules of oxalate oxidase for hyperoxaluria treatment. <i>Nano Research</i> , 2018, 11, 2682-2688. | 10.4 | 16 |
| 111 | Tumor Microenvironment-Tailored Weakly Cell-Interacted Extracellular Delivery Platform Enables Precise Antibody Release and Function. <i>Advanced Functional Materials</i> , 2019, 29, 1903296. | 14.9 | 16 |
| 112 | Enhanced Delivery of Rituximab Into Brain and Lymph Nodes Using Timed-Release Nanocapsules in Non-Human Primates. <i>Frontiers in Immunology</i> , 2019, 10, 3132. | 4.8 | 16 |
| 113 | The communities and functional profiles of virioplankton along a salinity gradient in a subtropical estuary. <i>Science of the Total Environment</i> , 2021, 759, 143499. | 8.0 | 16 |
| 114 | High-performance aqueous supercapacitors based on hierarchically porous graphitized carbon. <i>RSC Advances</i> , 2012, 2, 1755. | 3.6 | 15 |
| 115 | An intracellular protein delivery platform based on glutathione-responsive protein nanocapsules. <i>Chemical Communications</i> , 2016, 52, 13608-13611. | 4.1 | 15 |
| 116 | Expression and Characterization of a Novel 1,3-Propanediol Dehydrogenase from <i>Lactobacillus brevis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 959-972. | 2.9 | 15 |
| 117 | Facile synthesis of Cu ₃ (BTC) ₂ /cellulose acetate mixed matrix membranes and their catalytic applications in continuous flow process. <i>New Journal of Chemistry</i> , 2017, 41, 9123-9129. | 2.8 | 15 |
| 118 | Electrolyte Modulators toward Polarization-Mitigated Lithium-Ion Batteries for Sustainable Electric Transportation. <i>Advanced Materials</i> , 2022, 34, e2107787. | 21.0 | 15 |
| 119 | Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15608-15617. | 6.7 | 14 |
| 120 | Fabrication of nanofibres with azopyridine compounds in various acids and solvents. <i>RSC Advances</i> , 2015, 5, 31219-31225. | 3.6 | 13 |
| 121 | Mn-doped Li ₃ V ₂ (PO ₄) ₃ nanocrystal with enhanced electrochemical properties based on aerosol synthesis method. <i>Journal of Materials Science</i> , 2015, 50, 3075-3082. | 3.7 | 13 |
| 122 | Tuning the electronic structure of Co@N-C hybrids via metal-doping for efficient electrocatalytic hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4981-4991. | 10.3 | 13 |
| 123 | Better lithium-ion storage materials made through hierarchical assemblies of active nanorods and nanocrystals. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17536-17544. | 10.3 | 12 |
| 124 | Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage. <i>Small</i> , 2015, 11, 3135-3142. | 10.0 | 12 |
| 125 | Ultrathin mesoporous NiCo ₂ O ₄ nanosheets as an efficient and reusable catalyst for benzylic oxidation. <i>RSC Advances</i> , 2015, 5, 2405-2410. | 3.6 | 12 |
| 126 | Asymmetric Colloidal Janus Particle Formation Is Core-Size-Dependent. <i>Langmuir</i> , 2015, 31, 9148-9154. | 3.5 | 11 |

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|-----|--|------|-----------|
| 127 | Spatially Interlinked Graphene with Uniformly Loaded Sulfur for High Performance Li-ES Batteries. Chinese Journal of Chemistry, 2016, 34, 41-45. | 4.9 | 11 |
| 128 | Facile fabrication of a high-efficient and biocompatibility biocatalyst for bisphenol A removal. International Journal of Biological Macromolecules, 2020, 150, 948-954. | 7.5 | 11 |
| 129 | MOFs Conferred with Transient Metal Centers for Enhanced Photocatalytic Activity. Angewandte Chemie, 2020, 132, 17335-17339. | 2.0 | 11 |
| 130 | Engineered a novel pH-sensitive short major ampullate spidroin. International Journal of Biological Macromolecules, 2020, 154, 698-705. | 7.5 | 11 |
| 131 | Enzyme Therapeutic for Ischemia and Reperfusion Injury in Organ Transplantation. Advanced Materials, 2022, 34, e2105670. | 21.0 | 11 |
| 132 | Real-Time Quantification of Cell Internalization Kinetics by Functionalized Bioluminescent Nanoprobes. Advanced Materials, 2019, 31, e1902469. | 21.0 | 10 |
| 133 | Assembly of Ni(OH) ₂ -graphene hybrids with a high electrochemical performance by a one-pot hydrothermal method. New Carbon Materials, 2014, 29, 426-431. | 6.1 | 9 |
| 134 | Effective Genome Editing Using CRISPR-Cas9 Nanoflowers. Advanced Healthcare Materials, 2022, 11, e2102365. | 7.6 | 8 |
| 135 | Synthesis and characterization of oligo(2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-b]thiophene)s: effect of the chain length and end-groups on their optical and charge transport properties. Journal of Materials Chemistry C, 2014, 2, 9978-9986. | 5.5 | 7 |
| 136 | Improved delivery of broadly neutralizing antibodies by nanocapsules suppresses SHIV infection in the CNS of infant rhesus macaques. PLoS Pathogens, 2021, 17, e1009738. | 4.7 | 7 |
| 137 | Estimation of desertification risk from soil erosion: a case study for Gansu Province, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2215-2229. | 4.0 | 6 |
| 138 | Semiliquid electrolytes with anion-adsorbing metal-organic frameworks for high-rate lithium batteries. Chemical Communications, 2020, 56, 13603-13606. | 4.1 | 6 |
| 139 | CVD-assisted fabrication of hierarchical microparticulate Li ₂ TiSiO ₅ -carbon nanospheres for ultrafast lithium storage. Nanoscale, 2020, 12, 13918-13925. | 5.6 | 6 |
| 140 | High-Performance Battery Separator Made by Thermally Activated Metal-Organic Frameworks. ACS Applied Energy Materials, 2022, 5, 5519-5524. | 5.1 | 6 |
| 141 | 3D Hollow Sn@Carbon-Graphene Hybrid Material as Promising Anode for Lithium-Ion Batteries. Journal of Nanomaterials, 2014, 2014, 1-6. | 2.7 | 5 |
| 142 | Adaptation Investigations to Respond to Climate Change Projections in Gansu Province, Northern China. Water Resources Management, 2014, 28, 1531-1544. | 3.9 | 5 |
| 143 | Systemic delivery of microRNA for treatment of brain ischemia. Nano Research, 2021, 14, 3319-3328. | 10.4 | 5 |
| 144 | Synthesis of monodisperse Ce _x Zr _{1-x} O ₂ nanocrystals and the size-dependent enhancement of their properties. Nano Research, 2011, 4, 494-504. | 10.4 | 4 |

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