

Dong-Jiang Yang

List of Publications by Year in descending order

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141
papers

12,231
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18465

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docs citations

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times ranked

13296
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Hierarchical red phosphorus incorporated TiO ₂ hollow sphere heterojunctions toward superior photocatalytic hydrogen production. <i>Journal of Materials Science and Technology</i> , 2022, 108, 18-25. | 5.6 | 82 |
| 2 | Enhanced oxygen reduction reaction for Zn-air battery at defective carbon fibers derived from seaweed polysaccharide. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120785. | 10.8 | 45 |
| 3 | Selenite capture by MIL-101 (Fe) through Fe O Se bonds at free coordination Fe sites. <i>Journal of Hazardous Materials</i> , 2022, 424, 127715. | 6.5 | 17 |
| 4 | Tuning oxygen-containing groups of pyrene for high hydrogen peroxide production selectivity. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120908. | 10.8 | 27 |
| 5 | Red Phosphorus Nanodot-Decorated Polymeric Carbon Nitride Nanotubes for Visible-Light-Driven Photocatalytic Bacterial Inactivation. <i>ACS Applied Nano Materials</i> , 2022, 5, 862-870. | 2.4 | 9 |
| 6 | Synergy between cobalt and nickel on NiCo ₂ O ₄ nanosheets promotes peroxydisulfate activation for efficient norfloxacin degradation. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121091. | 10.8 | 148 |
| 7 | Single-site catalysis in heterogeneous electro-Fenton reaction for wastewater remediation. <i>Chem Catalysis</i> , 2022, 2, 679-692. | 2.9 | 22 |
| 8 | Hierarchically Porous and Defective Carbon Fiber Cathode for Efficient Zn-Air Batteries and Microbial Fuel Cells. <i>Advanced Fiber Materials</i> , 2022, 4, 795-806. | 7.9 | 26 |
| 9 | Pt-decorated porously defective carbon aerogels derived from polysaccharide for oxygen reduction in acidic and alkaline electrolytes. <i>Journal of Porous Materials</i> , 2022, 29, 1061-1070. | 1.3 | 1 |
| 10 | ZIF-derived zinc decorated cobalt nanoparticles for efficient oxygen reduction and Zn-air batteries. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164638. | 2.8 | 13 |
| 11 | Biochar aerogel decorated with thiophene S manipulated 5-membered rings boosts nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2022, 313, 121425. | 10.8 | 5 |
| 12 | Ternary red phosphorus/CoP ₂ /SiO ₂ microsphere boosts visible-light-driven photocatalytic hydrogen evolution from pure water splitting. <i>Journal of Materials Science and Technology</i> , 2022, 125, 59-66. | 5.6 | 31 |
| 13 | Electrostatic Interaction in Amino Protonated Chitosanâ€“Metal Complex Anion Hydrogels: A Simple Approach to Porous Metal Carbides/N-Doped Carbon Aerogels for Energy Conversion. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22151-22160. | 4.0 | 9 |
| 14 | Effect of local coordination on catalytic activities and selectivities of Fe-based catalysts for N ₂ reduction. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14517-14524. | 1.3 | 1 |
| 15 | Coupling of iron phthalocyanine at carbon defect site via π - π stacking for enhanced oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119437. | 10.8 | 128 |
| 16 | Boosting electrocatalytic hydrogen generation by a renewable porous wood membrane decorated with Fe-doped NiP alloys. <i>Journal of Energy Chemistry</i> , 2021, 56, 23-33. | 7.1 | 72 |
| 17 | Recent advances in metal-organic frameworks for the removal of heavy metal oxoanions from water. <i>Chemical Engineering Journal</i> , 2021, 407, 127221. | 6.6 | 101 |
| 18 | Efficient photoelectrocatalytic degradation of tylosin on TiO ₂ nanotube arrays with tunable phosphorus dopants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104742. | 3.3 | 23 |

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|----|--|------|-----------|
| 19 | Enhanced degradation of norfloxacin by Ce-mediated Fe-MIL-101: catalytic mechanism, degradation pathways, and potential applications in wastewater treatment. <i>Environmental Science: Nano</i> , 2021, 8, 2347-2359. | 2.2 | 26 |
| 20 | Hydrogen Bond Interpenetrated Agarose/PVA Network: A Highly Ionic Conductive and Flame-Retardant Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9856-9864. | 4.0 | 53 |
| 21 | Crystal Phase-Related Toxicity of One-Dimensional Titanium Dioxide Nanomaterials on Kidney Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 3499-3506. | 2.3 | 5 |
| 22 | Beyond Platinum: Defects Abundant CoP ₃ /Ni ₂ P Heterostructure for Hydrogen Evolution Electrocatalysis. <i>Small Science</i> , 2021, 1, 2000027. | 5.8 | 32 |
| 23 | Exploring the Dominant Role of Atomic and Nano Ruthenium as Active Sites for Hydrogen Evolution Reaction in Both Acidic and Alkaline Media. <i>Advanced Science</i> , 2021, 8, e2004516. | 5.6 | 58 |
| 24 | Co/MoN hetero-interface nanoflake array with enhanced water dissociation capability achieves the Pt-like hydrogen evolution catalytic performance. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119882. | 10.8 | 109 |
| 25 | Red Phosphorus Decorated TiO ₂ Nanorod Mediated Photodynamic and Photothermal Therapy for Renal Cell Carcinoma. <i>Small</i> , 2021, 17, e2101837. | 5.2 | 26 |
| 26 | Sodium Decorated Amorphous/Crystalline RuO ₂ with Rich Oxygen Vacancies: A Robust pH Universal Oxygen Evolution Electrocatalyst. <i>Angewandte Chemie</i> , 2021, 133, 18969-18977. | 1.6 | 30 |
| 27 | Visible-light driven rapid bacterial inactivation on red phosphorus/titanium oxide nanofiber heterostructures. <i>Journal of Hazardous Materials</i> , 2021, 413, 125462. | 6.5 | 37 |
| 28 | Sodium Decorated Amorphous/Crystalline RuO ₂ with Rich Oxygen Vacancies: A Robust pH Universal Oxygen Evolution Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18821-18829. | 7.2 | 346 |
| 29 | Controllable construction of pH-responsive hydrogel based on marine polysaccharides as oral delivery vehicle of tramadol. <i>Materials Today Sustainability</i> , 2021, 14, 100080. | 1.9 | 4 |
| 30 | Controlled Asymmetric Charge Distribution of Active Centers in Conjugated Polymers for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26483-26488. | 7.2 | 59 |
| 31 | Interfacial enhancement of O ₂ protonation on Fe ₂ N/Fe ₃ C nanoparticles to boost oxygen reduction reaction and the fuel cell in acidic electrolyte. <i>Materials Today Energy</i> , 2021, 21, 100834. | 2.5 | 3 |
| 32 | A review on nanoconfinement engineering of red phosphorus for enhanced Li/Na/K-ion storage performances. <i>Journal of Energy Chemistry</i> , 2021, 61, 531-552. | 7.1 | 36 |
| 33 | Cation vacancy driven efficient CoFe-LDH-based electrocatalysts for water splitting and Zn-air batteries. <i>Materials Advances</i> , 2021, 2, 7932-7938. | 2.6 | 13 |
| 34 | Environmental life cycle assessment of supercapacitor electrode production using algae derived biochar aerogel. <i>Biochar</i> , 2021, 3, 701-714. | 6.2 | 17 |
| 35 | Enhanced visible-light photoelectrochemical performance via chemical vapor deposition of Fe ₂ O ₃ on a WO ₃ film to form a heterojunction. <i>Rare Metals</i> , 2020, 39, 841-849. | 3.6 | 28 |
| 36 | A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 868-873. | 7.2 | 164 |

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| 37 | A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. <i>Angewandte Chemie</i> , 2020, 132, 878-883. | 1.6 | 40 |
| 38 | Ultrathin nickel phosphide nanosheet aerogel electrocatalysts derived from Ni-alginate for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152727. | 2.8 | 9 |
| 39 | 20,000 Ligands Under the Sea: Metal-Organic Supramolecules from the Ocean. <i>Matter</i> , 2020, 2, 10-12. | 5.0 | 4 |
| 40 | Poorly-crystallized poly(vinyl alcohol)/carrageenan matrix: Highly ionic conductive and flame-retardant gel polymer electrolytes for safe and flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , 2020, 475, 228688. | 4.0 | 34 |
| 41 | Three-Dimensional Porous Alginate Fiber Membrane Reinforced PEO-Based Solid Polymer Electrolyte for Safe and High-Performance Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43805-43812. | 4.0 | 59 |
| 42 | Research progress of nanocellulose for electrochemical energy storage: A review. <i>Journal of Energy Chemistry</i> , 2020, 51, 342-361. | 7.1 | 67 |
| 43 | Elemental red phosphorus-based materials for photocatalytic water purification and hydrogen production. <i>Nanoscale</i> , 2020, 12, 13297-13310. | 2.8 | 86 |
| 44 | Multiple Vacancies on (111) Facets of Single-Crystal $\text{NiFe}_{2}\text{O}_{4}$ Spinel Boost Electrocatalytic Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3995-3999. | 1.7 | 23 |
| 45 | Nitrogen and Sulfur Vacancies in Carbon Shell to Tune Charge Distribution of $\text{Co}_{6}\text{Ni}_{3}\text{S}_{8}$ Core and Boost Sodium Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1904147. | 10.2 | 80 |
| 46 | Gradient-Concentration Design of Stable Core-Shell Nanostructure for Acidic Oxygen Reduction Electrocatalysis. <i>Advanced Materials</i> , 2020, 32, e2003493. | 11.1 | 79 |
| 47 | Phosphorus-doped polymeric carbon nitride nanosheets for enhanced photocatalytic hydrogen production. <i>APL Materials</i> , 2020, 8, . | 2.2 | 37 |
| 48 | Metal-Free Thiophene-Sulfur Covalent Organic Frameworks: Precise and Controllable Synthesis of Catalytic Active Sites for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 8104-8108. | 6.6 | 226 |
| 49 | Effect of Intrinsic Defects of Carbon Materials on the Sodium Storage Performance. <i>Advanced Energy Materials</i> , 2020, 10, 1903652. | 10.2 | 194 |
| 50 | From double-helix structured seaweed to S-doped carbon aerogel with ultra-high surface area for energy storage. <i>Energy Storage Materials</i> , 2019, 17, 22-30. | 9.5 | 72 |
| 51 | Innenr¼cktitelbild: Charge Polarization from Atomic Metals on Adjacent Graphitic Layers for Enhancing the Hydrogen Evolution Reaction (<i>Angew. Chem.</i> 28/2019). <i>Angewandte Chemie</i> , 2019, 131, 9749-9749. | 1.6 | 0 |
| 52 | Mechanistic insight into high-efficiency sodium storage based on N/O/P-functionalized ultrathin carbon nanosheet. <i>Journal of Power Sources</i> , 2019, 442, 227184. | 4.0 | 18 |
| 53 | Controllable synthesis of CoN_{3} catalysts derived from Co/Zn-ZIF-67 for electrocatalytic oxygen reduction in acidic electrolytes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21884-21891. | 5.2 | 67 |
| 54 | High nitrogen doped carbon nanofiber aerogels for sodium ion batteries: synergy of vacancy defects to boost sodium ion storage. <i>Applied Surface Science</i> , 2019, 496, 143717. | 3.1 | 30 |

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|----|---|------|-----------|
| 55 | Dopamine-derived cavities/Fe ₃ O ₄ nanoparticles-encapsulated carbonaceous composites with self-generated three-dimensional network structure as an excellent microwave absorber. RSC Advances, 2019, 9, 766-780. | 1.7 | 31 |
| 56 | Exfoliation of amorphous phthalocyanine conjugated polymers into ultrathin nanosheets for highly efficient oxygen reduction. Journal of Materials Chemistry A, 2019, 7, 3112-3119. | 5.2 | 87 |
| 57 | Air cathode of zinc-air batteries: a highly efficient and durable aerogel catalyst for oxygen reduction. Nanoscale, 2019, 11, 826-832. | 2.8 | 53 |
| 58 | NiFe-based nanostructures on nickel foam as highly efficiently electrocatalysts for oxygen and hydrogen evolution reactions. Journal of Energy Chemistry, 2019, 39, 39-53. | 7.1 | 157 |
| 59 | Identification of active sites for acidic oxygen reduction on carbon catalysts with and without nitrogen doping. Nature Catalysis, 2019, 2, 688-695. | 16.1 | 423 |
| 60 | Charge Polarization from Atomic Metals on Adjacent Graphitic Layers for Enhancing the Hydrogen Evolution Reaction. Angewandte Chemie, 2019, 131, 9504-9508. | 1.6 | 10 |
| 61 | Heterocyclization Strategy for Construction of Linear Conjugated Polymers: Efficient Metal-Free Electrocatalysts for Oxygen Reduction. Angewandte Chemie - International Edition, 2019, 58, 11369-11373. | 7.2 | 67 |
| 62 | Heterocyclization Strategy for Construction of Linear Conjugated Polymers: Efficient Metal-Free Electrocatalysts for Oxygen Reduction. Angewandte Chemie, 2019, 131, 11491-11495. | 1.6 | 14 |
| 63 | Red phosphorus decorated and doped TiO ₂ nanofibers for efficient photocatalytic hydrogen evolution from pure water. Applied Catalysis B: Environmental, 2019, 255, 117764. | 10.8 | 151 |
| 64 | Charge Polarization from Atomic Metals on Adjacent Graphitic Layers for Enhancing the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 9404-9408. | 7.2 | 87 |
| 65 | 3D Sulfur and Nitrogen Codoped Carbon Nanofiber Aerogels with Optimized Electronic Structure and Enlarged Interlayer Spacing Boost Potassium-Ion Storage. Small, 2019, 15, e1900816. | 5.2 | 122 |
| 66 | Fe-alginate biomass-derived FeS/3D interconnected carbon nanofiber aerogels as anodes for high performance sodium-ion batteries. Journal of Alloys and Compounds, 2019, 795, 54-59. | 2.8 | 18 |
| 67 | A high-temperature phosphorization for synthesis of core-shell Ni-NixPy@C nanocomposite-immobilized sponge-like P-doped porous carbon with excellent supercapacitance performance. Electrochimica Acta, 2019, 309, 197-208. | 2.6 | 35 |
| 68 | Defect-Induced Pt-Co-Se Coordinated Sites with Highly Asymmetrical Electronic Distribution for Boosting Oxygen-Involving Electrocatalysis. Advanced Materials, 2019, 31, e1805581. | 11.1 | 168 |
| 69 | Porous Ni ₃ S ₄ /C aerogels derived from carrageenan-Ni hydrogels for high-performance sodium-ion batteries anode. Electrochimica Acta, 2019, 299, 72-79. | 2.6 | 39 |
| 70 | Ultrafine FeSe nanoparticles embedded into 3D carbon nanofiber aerogels with FeSe/Carbon interface for efficient and long-life sodium storage. Carbon, 2019, 143, 106-115. | 5.4 | 78 |
| 71 | Single Crystalline (001) FeS Nanorods with Dominant (100) Facets | 8.2 | 68 |
| 72 | Porous CoP nanostructure electrocatalyst derived from DUT-58 for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 13904-13910. | 3.8 | 32 |

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|----|---|------|-----------|
| 73 | Highly Porous FeS/Carbon Fibers Derived from Fe-Carrageenan Biomass: High-capacity and Durable Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17175-17182. | 4.0 | 114 |
| 74 | Photogenerated-carrier separation along edge dislocation of WO ₃ single-crystal nanoflower photoanode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8604-8611. | 5.2 | 51 |
| 75 | Generating lithium vacancies through delithiation of Li(Ni _x Co _y Mn _z)O ₂ towards bifunctional electrocatalysts for rechargeable zinc-air batteries. <i>Energy Storage Materials</i> , 2018, 15, 202-208. | 9.5 | 21 |
| 76 | Nanoconfinement of red phosphorus nanoparticles in seaweed-derived hierarchical porous carbonaceous fibers for enhanced lithium ion storage. <i>Chemical Engineering Journal</i> , 2018, 345, 604-610. | 6.6 | 50 |
| 77 | Cellulose nanocrystals (CNC) derived Mo ₂ C@sulfur-doped carbon aerogels for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13720-13726. | 3.8 | 50 |
| 78 | Graphene Defects Trap Atomic Ni Species for Hydrogen and Oxygen Evolution Reactions. <i>CheM</i> , 2018, 4, 285-297. | 5.8 | 624 |
| 79 | Electronic Structure Tuning in Ni ₃ FeN/r-GO Aerogel toward Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Nano</i> , 2018, 12, 245-253. | 7.3 | 462 |
| 80 | How heteroatoms (Ge, N, P) improve the electrocatalytic performance of graphene: theory and experiment. <i>Science Bulletin</i> , 2018, 63, 155-158. | 4.3 | 28 |
| 81 | Boosting hydrogen evolution <i>via</i> optimized hydrogen adsorption at the interface of CoP ₃ and Ni ₂ P. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5560-5565. | 5.2 | 107 |
| 82 | Triggering superior sodium ion adsorption on (2̂0̂0) facet of mesoporous WO ₃ nanosheet arrays for enhanced supercapacitance. <i>Chemical Engineering Journal</i> , 2018, 345, 165-173. | 6.6 | 39 |
| 83 | DUTâ€58 (Co) Derived Synthesis of Co Clusters as Efficient Oxygen Reduction Electrocatalyst for Zincâ€Air Battery. <i>Global Challenges</i> , 2018, 2, 1700086. | 1.8 | 13 |
| 84 | Direct Interfacial Growth of MnO ₂ Nanostructure on Hierarchically Porous Carbon for High-Performance Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 633-641. | 3.2 | 113 |
| 85 | Seaweed Biomass-Derived Flame-Retardant Gel Electrolyte Membrane for Safe Solid-State Supercapacitors. <i>Macromolecules</i> , 2018, 51, 9360-9367. | 2.2 | 37 |
| 86 | Controllable N-Doped Carbonaceous Composites with Highly Dispersed Ni Nanoparticles for Excellent Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2018, 1, 5895-5906. | 2.4 | 42 |
| 87 | Biomass as a Template Leads to CdS@Carbon Aerogels for Efficient Photocatalytic Hydrogen Evolution and Stable Photoelectrochemical Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14911-14918. | 3.2 | 35 |
| 88 | Boosting Sodium-Ion Storage by Encapsulating NiS (CoS) Hollow Nanoparticles into Carbonaceous Fibers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40531-40539. | 4.0 | 62 |
| 89 | Crumpled Ir Nanosheets Fully Covered on Porous Carbon Nanofibers for Longâ€Life Rechargeable Lithiumâ€CO ₂ Batteries. <i>Advanced Materials</i> , 2018, 30, e1803124. | 11.1 | 144 |
| 90 | Subâ€1.5 nm Ultrathin CoP Nanosheet Aerogel: Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH Values. <i>Small</i> , 2018, 14, e1802824. | 5.2 | 99 |

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|-----|---|-----|-----------|
| 91 | Scalable and controllable synthesis of atomic metal electrocatalysts assisted by an egg-box in alginate. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18417-18425. | 5.2 | 58 |
| 92 | Turning gelidium amansii residue into nitrogen-doped carbon nanofiber aerogel for enhanced multiple energy storage. <i>Carbon</i> , 2018, 137, 31-40. | 5.4 | 48 |
| 93 | Alginate/r-GO assisted synthesis of ultrathin LiFePO ₄ nanosheets with oriented (010) facet and ultralow antisite defect. <i>Chemical Engineering Journal</i> , 2018, 351, 340-347. | 6.6 | 37 |
| 94 | Coordination of Atomic Co–Pt Coupling Species at Carbon Defects as Active Sites for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 10757-10763. | 6.6 | 464 |
| 95 | A Defect-Driven Metal-free Electrocatalyst for Oxygen Reduction in Acidic Electrolyte. <i>CheM</i> , 2018, 4, 2345-2356. | 5.8 | 292 |
| 96 | Selective Capture of Toxic Selenite Anions by Bismuth-based Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 13381-13385. | 1.6 | 8 |
| 97 | Selective Capture of Toxic Selenite Anions by Bismuth-based Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13197-13201. | 7.2 | 122 |
| 98 | Surface modification of hematite photoanode by NiFe layered double hydroxide for boosting photoelectrocatalytic water oxidation. <i>Journal of Alloys and Compounds</i> , 2018, 764, 341-346. | 2.8 | 38 |
| 99 | CoFe ₂ O ₄ /carbon nanotube aerogels as high performance anodes for lithium ion batteries. <i>Green Energy and Environment</i> , 2017, 2, 160-167. | 4.7 | 39 |
| 100 | Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8247-8254. | 5.2 | 114 |
| 101 | Rational design of N-doped carbon nanobox-supported Fe ₂ N/Fe ₃ C nanoparticles as efficient oxygen reduction catalysts for Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11340-11347. | 5.2 | 63 |
| 102 | Highly stable supercapacitors with MOF-derived Co ₉ S ₈ /carbon electrodes for high rate electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12453-12461. | 5.2 | 180 |
| 103 | Tuning the Shell Number of Multishelled Metal Oxide Hollow Fibers for Optimized Lithium-Ion Storage. <i>ACS Nano</i> , 2017, 11, 6186-6193. | 7.3 | 127 |
| 104 | Interface engineering of 3D BiVO ₄ /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9952-9959. | 5.2 | 134 |
| 105 | Internanofiber Spacing Adjustment in the Bundled Nanofibers for Sensitive Fluorescence Detection of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2017, 89, 3814-3818. | 3.2 | 47 |
| 106 | Sustainable Route for Molecularly Thin Cellulose Nanoribbons and Derived Nitrogen-Doped Carbon Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8729-8737. | 3.2 | 26 |
| 107 | A transparent CdS@TiO ₂ nanotextile photoanode with boosted photoelectrocatalytic efficiency and stability. <i>Nanoscale</i> , 2017, 9, 15650-15657. | 2.8 | 40 |
| 108 | Recent Progress in Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Small Methods</i> , 2017, 1, 1700209. | 4.6 | 183 |

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|-----|---|------|-----------|
| 109 | Highly Efficient Gas Sensor Using a Hollow SnO ₂ Microfiber for Triethylamine Detection. ACS Sensors, 2017, 2, 897-902. | 4.0 | 238 |
| 110 | Multishelled Ni ^x Rich Li(Ni _x Co _y Mn _z)O ₂ Hollow Fibers with Low Cation Mixing as High-Performance Cathode Materials for Li-Ion Batteries. Advanced Science, 2017, 4, 1600262. | 5.6 | 172 |
| 111 | Efficient visible-light driven photocatalysts: coupling TiO ₂ (AB) nanotubes with g-C ₃ N ₄ nanoflakes. Journal of Materials Science: Materials in Electronics, 2017, 28, 1271-1280. | 1.1 | 5 |
| 112 | Scalable and Cost-Effective Synthesis of Highly Efficient Fe ₂ N-Based Oxygen Reduction Catalyst Derived from Seaweed Biomass. Small, 2016, 12, 1295-1301. | 5.2 | 148 |
| 113 | Suppressing Fe ²⁺ Li Antisite Defects in LiFePO ₄ /Carbon Hybrid Microtube to Enhance the Lithium Ion Storage. Advanced Energy Materials, 2016, 6, 1601549. | 10.2 | 109 |
| 114 | Double-Helix Structure in Carrageenan-Metal Hydrogels: A General Approach to Porous Metal Sulfides/Carbon Aerogels with Excellent Sodium-Ion Storage. Angewandte Chemie, 2016, 128, 16157-16160. | 1.6 | 26 |
| 115 | Double-Helix Structure in Carrageenan-Metal Hydrogels: A General Approach to Porous Metal Sulfides/Carbon Aerogels with Excellent Sodium-Ion Storage. Angewandte Chemie - International Edition, 2016, 55, 15925-15928. | 7.2 | 157 |
| 116 | Nb ₂ O ₅ -Al ₂ O ₃ nanofibers as heterogeneous catalysts for efficient conversion of glucose to 5-hydroxymethylfurfural. Scientific Reports, 2016, 6, 34068. | 1.6 | 29 |
| 117 | Proliferation of Green Tide as Sustainable Source for Carbonaceous Aerogels with Hierarchical Pore to Achieve Multiple Energy Storage. Advanced Functional Materials, 2016, 26, 8487-8495. | 7.8 | 169 |
| 118 | Seaweed biomass derived (Ni,Co)/CNT nanoaerogels: efficient bifunctional electrocatalysts for oxygen evolution and reduction reactions. Journal of Materials Chemistry A, 2016, 4, 6376-6384. | 5.2 | 164 |
| 119 | Seaweed-Derived Route to Fe ₂ O ₃ Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. ACS Applied Materials & Interfaces, 2016, 8, 7047-7053. | 4.0 | 179 |
| 120 | Nanocoiled Assembly of Asymmetric Perylene Diimides: Formulation of Structural Factors. Journal of Physical Chemistry C, 2015, 119, 6446-6452. | 1.5 | 16 |
| 121 | Egg-Box Structure in Cobalt Alginate: A New Approach to Multifunctional Hierarchical Mesoporous N-Doped Carbon Nanofibers for Efficient Catalysis and Energy Storage. ACS Central Science, 2015, 1, 261-269. | 5.3 | 195 |
| 122 | Sustainable seaweed-based one-dimensional (1D) nanofibers as high-performance electrocatalysts for fuel cells. Journal of Materials Chemistry A, 2015, 3, 14188-14194. | 5.2 | 72 |
| 123 | Architecture-controlled synthesis of M _x O _y (M = Ni, Fe, Cu) microfibrils from seaweed biomass for high-performance lithium ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 22708-22715. | 5.2 | 75 |
| 124 | Co ₃ O ₄ nanoparticle embedded carbonaceous fibres: a nanoconfinement effect on enhanced lithium-ion storage. Chemical Communications, 2015, 51, 16267-16270. | 2.2 | 32 |
| 125 | Capture of radioactive cations from water using niobate nanomaterials with layered and tunnel structures. RSC Advances, 2015, 5, 75354-75359. | 1.7 | 26 |
| 126 | Enhanced photodynamic therapy of mixed phase TiO ₂ (B)/anatase nanofibers for killing of HeLa cells. Nano Research, 2014, 7, 1659-1669. | 5.8 | 65 |

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|-----|--|-----|-----------|
| 127 | Preliminary observations of hydrothermal growth of nanomaterials on wood surfaces. <i>Wood Science and Technology</i> , 2014, 48, 51-58. | 1.4 | 15 |
| 128 | Heterojunctions in g-C ₃ N ₄ /TiO ₂ (B) nanofibres with exposed (001) plane and enhanced visible-light photoactivity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2071-2078. | 5.2 | 241 |
| 129 | Simple pyrolysis of cobalt alginate fibres into Co ₃ O ₄ /C nano/microstructures for a high-performance lithium ion battery anode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18761-18766. | 5.2 | 106 |
| 130 | Potassium Niobate Nanolamina: A Promising Adsorbent for Entrapment of Radioactive Cations from Water. <i>Scientific Reports</i> , 2014, 4, 7313. | 1.6 | 24 |
| 131 | Silver oxide nanocrystals anchored on titanate nanotubes and nanofibers: promising candidates for entrapment of radioactive iodine anions. <i>Nanoscale</i> , 2013, 5, 11011. | 2.8 | 64 |
| 132 | Titanate-based adsorbents for radioactive ions entrapment from water. <i>Nanoscale</i> , 2013, 5, 2232. | 2.8 | 102 |
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| 135 | Single crystal γ -Fe ₂ O ₃ with exposed {104} facets for high performance gas sensor applications. <i>RSC Advances</i> , 2012, 2, 6178. | 1.7 | 82 |
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