

Wen Yang

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Efficient Metal-Free Oxygen Reduction in Alkaline Medium on High-Surface-Area Mesoporous Nitrogen-Doped Carbons Made from Ionic Liquids and Nucleobases. <i>Journal of the American Chemical Society</i> , 2011, 133, 206-209. | 6.6 | 826 |
| 2 | Experimental study on relationship between jet instability and formation of beaded fibers during electrospinning. <i>Polymer Engineering and Science</i> , 2005, 45, 704-709. | 1.5 | 301 |
| 3 | Superhydrophobic surface directly created by electrospinning based on hydrophilic material. <i>Journal of Materials Science</i> , 2006, 41, 3793-3797. | 1.7 | 163 |
| 4 | Graphene in Supercapacitor Applications. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 416-428. | 3.4 | 154 |
| 5 | Atomic Iron Catalysis of Polysulfide Conversion in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19311-19317. | 4.0 | 152 |
| 6 | Turn-on theranostic fluorescent nanoprobe by electrostatic self-assembly of carbon dots with doxorubicin for targeted cancer cell imaging, in vivo hyaluronidase analysis, and targeted drug delivery. <i>Biosensors and Bioelectronics</i> , 2017, 96, 300-307. | 5.3 | 144 |
| 7 | A study on the antibacterial activity of one-dimensional ZnO nanowire arrays: effects of the orientation and plane surface. <i>Chemical Communications</i> , 2007, , 4419. | 2.2 | 133 |
| 8 | Revealing of Active Sites and Catalytic Mechanism in N-Coordinated Fe, Ni Dual-Doped Carbon with Superior Acidic Oxygen Reduction than Single-Atom Catalyst. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1404-1410. | 2.1 | 131 |
| 9 | Carbon Nanotubes Decorated with Pt Nanocubes by a Noncovalent Functionalization Method and Their Role in Oxygen Reduction. <i>Advanced Materials</i> , 2008, 20, 2579-2587. | 11.1 | 127 |
| 10 | 3D coral-like nitrogen-sulfur co-doped carbon-sulfur composite for high performance lithium-sulfur batteries. <i>Scientific Reports</i> , 2015, 5, 13340. | 1.6 | 104 |
| 11 | Layer-by-Layer Assembled Architecture of Polyelectrolyte Multilayers and Graphene Sheets on Hollow Carbon Spheres/Sulfur Composite for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 5488-5494. | 4.5 | 104 |
| 12 | Phosphorus, and nitrogen co-doped carbon dots as a fluorescent probe for real-time measurement of reactive oxygen and nitrogen species inside macrophages. <i>Biosensors and Bioelectronics</i> , 2016, 79, 822-828. | 5.3 | 102 |
| 13 | Polyethylene waste carbons with a mesoporous network towards highly efficient supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 366, 313-320. | 6.6 | 86 |
| 14 | Noncovalent hybrid of CoMn ₂ O ₄ spinel nanocrystals and poly (diallyldimethylammonium chloride) functionalized carbon nanotubes as efficient electrocatalysts for oxygen reduction reaction. <i>Carbon</i> , 2013, 65, 277-286. | 5.4 | 80 |
| 15 | Enhanced Air Stability and High Li-Ion Conductivity of Li _{0.6988} P _{2.994} Nb _{0.2} S _{10.934} O _{0.6} Glass-Ceramic Electrolyte for All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21548-21558. | 4.0 | 74 |
| 16 | Electrode materials derived from plastic wastes and other industrial wastes for supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 1474-1489. | 4.8 | 68 |
| 17 | A novel air-stable Li ₇ Sb _{0.05} P _{2.95} S _{10.5} superionic conductor glass-ceramics electrolyte for all-solid-state lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 407, 127149. | 6.6 | 54 |
| 18 | Stable DNA Nanomachine Based on Duplex-Triplex Transition for Ratiometric Imaging Instantaneous pH Changes in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 5854-5859. | 3.2 | 51 |

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|----|---|------|-----------|
| 19 | “Green synthesis” of monodisperse Pt nanoparticles and their catalytic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 628-633. | 2.3 | 47 |
| 20 | Polymer wrapping technique: an effective route to prepare Pt nanoflower/carbon nanotube hybrids and application in oxygen reduction. <i>Energy and Environmental Science</i> , 2010, 3, 144-149. | 15.6 | 45 |
| 21 | Efficient in situ three-component formation of chiral oxazoline-Schiff base copper(II) complexes: towards combinatorial library of chiral catalysts for asymmetric Henry reaction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2956. | 1.5 | 45 |
| 22 | From upcycled waste polyethylene plastic to graphene/mesoporous carbon for high-voltage supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 55-64. | 5.0 | 43 |
| 23 | Reversible and Dynamic Fluorescence Imaging of Cellular Redox Self-Regulation Using Fast-Responsive Near-Infrared Ge-Pyrone. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8991-8997. | 4.0 | 41 |
| 24 | Insight on air-induced degradation mechanism of Li ₇ P ₃ S ₁₁ to design a chemical-stable solid electrolyte with high Li ₂ S utilization in all-solid-state Li/S batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130535. | 6.6 | 39 |
| 25 | Green synthesis of nanowire-like Pt nanostructures and their catalytic properties. <i>Talanta</i> , 2009, 78, 557-564. | 2.9 | 36 |
| 26 | Synthesis of Biomass-Derived Carbon Induced by Cellular Respiration in Yeast for Supercapacitor Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 18068-18074. | 1.7 | 35 |
| 27 | Design Unique Air-Stable and Li-Metal Compatible Sulfide Electrolyte via Exploration of Anion Functional Units for All-Solid-State Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 33 |
| 28 | Efficient and convenient preparation of water-soluble fullerene. <i>Chinese Journal of Chemistry</i> , 2004, 22, 1008-1011. | 2.6 | 31 |
| 29 | Incorporation of CeF ₃ on single-atom dispersed Fe/N/C with oxophilic interface as highly durable electrocatalyst for proton exchange membrane fuel cell. <i>Journal of Catalysis</i> , 2019, 374, 43-50. | 3.1 | 31 |
| 30 | Cathode-doped sulfide electrolyte strategy for boosting all-solid-state lithium batteries. <i>Chemical Engineering Journal</i> , 2020, 391, 123529. | 6.6 | 31 |
| 31 | Metal-phosphide-doped Li ₇ P ₃ S ₁₁ glass-ceramic electrolyte with high ionic conductivity for all-solid-state lithium-sulfur batteries. <i>Electrochemistry Communications</i> , 2018, 97, 100-104. | 2.3 | 30 |
| 32 | Highly Enantioselective Henry Reaction Catalyzed by C ₂ -Symmetric Modular BINOL-Oxazoline Schiff Base Copper(II) Complexes Generated in Situ. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1552-1556. | 1.2 | 29 |
| 33 | Chickpea derived Co nanocrystal encapsulated in 3D nitrogen-doped mesoporous carbon: Pressure cooking synthetic strategy and its application in lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 328-336. | 5.0 | 29 |
| 34 | UV-assisted synthesis of long-wavelength Si-pyrone fluorescent dyes for real-time and dynamic imaging of glutathione fluctuation in living cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4826-4831. | 2.9 | 28 |
| 35 | Strong Interfacial Adhesion between the Li ₂ S Cathode and a Functional Li ₇ P _{2.9} Ce _{0.2} S _{10.9} Cl _{0.3} Solid-State Electrolyte Endowed Long-Term Cycle Stability to All-Solid-State Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28270-28280. | 4.0 | 27 |
| 36 | Interface engineering of plasmonic induced Fe/N/C-F catalyst with enhanced oxygen catalysis performance for fuel cells application. <i>Nano Research</i> , 2022, 15, 2138-2146. | 5.8 | 25 |

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|----|---|-----|-----------|
| 37 | Orderly defective superstructure for enhanced pseudocapacitive storage in titanium niobium oxide. <i>Nano Research</i> , 2022, 15, 1570-1578. | 5.8 | 24 |
| 38 | One-pot self-assembly of flower-like Cu ₂ S structures with near-infrared photoluminescent properties. <i>CrystEngComm</i> , 2011, 13, 6549. | 1.3 | 22 |
| 39 | Ionically dispersed Fe(II) and Zn(II) in porous carbon for acidic oxygen reduction reactions. <i>Chemical Communications</i> , 2017, 53, 11453-11456. | 2.2 | 22 |
| 40 | Triphenylphosphine-assisted highly sensitive fluorescent chemosensor for ratiometric detection of palladium in solution and living cells. <i>RSC Advances</i> , 2015, 5, 97121-97126. | 1.7 | 21 |
| 41 | Hierarchical design of nitrogen-doped porous carbon nanorods for use in high efficiency capacitive energy storage. <i>RSC Advances</i> , 2017, 7, 22447-22453. | 1.7 | 19 |
| 42 | Porous carbon electrocatalyst with exclusive metal-coordinate active sites for acidic oxygen reduction reaction. <i>Carbon</i> , 2018, 132, 85-94. | 5.4 | 19 |
| 43 | Carbon electrodes with ionophobic characteristics in organic electrolyte for high-performance electric double-layer capacitors. <i>Science China Materials</i> , 2022, 65, 383-390. | 3.5 | 18 |
| 44 | A panoramic view of Li ₇ P ₃ S ₁₁ solid electrolytes synthesis, structural aspects and practical challenges for all-solid-state lithium batteries. <i>Chinese Journal of Chemical Engineering</i> , 2021, 39, 16-36. | 1.7 | 18 |
| 45 | Oleylamine as solvent and stabilizer to synthesize shape-controlled ZnS nanocrystals with good optical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 126-129. | 2.3 | 17 |
| 46 | Surfactant-sensitized ratiometric fluorescent chemodosimeter for the highly selective detection of mercury(II) ions based on vinyl ether oxymercuration. <i>RSC Advances</i> , 2014, 4, 12596. | 1.7 | 17 |
| 47 | Disulfide-Containing Molecular Sticker Assists Cellular Delivery of DNA Nanoassemblies by Bypassing Endocytosis. <i>CCS Chemistry</i> , 2021, 3, 1178-1186. | 4.6 | 17 |
| 48 | Tailored Carrier Transport Path by Interpenetrating Networks in Cathode Composite for High Performance All-Solid-State Li-SeS ₂ Batteries. <i>Advanced Fiber Materials</i> , 2022, 4, 487-502. | 7.9 | 17 |
| 49 | Microwave-promoted One-Pot Three-Component Reaction to [60]Fulleropyrrolidine Derivatives. <i>Synthetic Communications</i> , 2005, 35, 89-96. | 1.1 | 16 |
| 50 | Molecular Dynamics Simulation of the Formation of Polymer Networks. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 548-556. | 0.6 | 16 |
| 51 | Highly specific and ratiometric fluorescent probe for ozone assay in indoor air and living cells. <i>Dyes and Pigments</i> , 2016, 127, 67-72. | 2.0 | 14 |
| 52 | In situ PEI and formic acid directed formation of Pt NPs/MWNTs hybrid material with excellent electrocatalytic activity. <i>Talanta</i> , 2009, 79, 935-939. | 2.9 | 13 |
| 53 | Explicit Differentiation of G-Quadruplex/Ligand Interactions: Triplet Excited States as Sensitive Reporters. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2259-2266. | 2.1 | 13 |
| 54 | Mn-doped CdS/ZnS/CdS QD-based fluorescent nanosensor for rapid, selective, and ultrasensitive detection of copper(II) ion. <i>RSC Advances</i> , 2015, 5, 63458-63464. | 1.7 | 13 |

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|----|--|-----|-----------|
| 55 | Synergistic Doping for Pseudocapacitance Sites in Alkaline Carbon Supercapacitors. ChemElectroChem, 2018, 5, 84-92. | 1.7 | 13 |
| 56 | Space Charge Layer Effect in Sulfide Solid Electrolytes in All-Solid-State Batteries: In-situ Characterization and Resolution. Transactions of Tianjin University, 2021, 27, 423-433. | 3.3 | 13 |
| 57 | Porous carbon supported atomic iron as electrocatalysts for acidic oxygen reduction reaction. Science Bulletin, 2018, 63, 213-215. | 4.3 | 12 |
| 58 | Efficient polysulfide conversion by Fe-N/C active sites anchored in N, P- doped carbon for high-performance lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 922, 166132. | 2.8 | 11 |
| 59 | An Unprecedented Fireproof, Anion-immobilized Composite Electrolyte Obtained via Solidifying Carbonate Electrolyte for Safe and High-power Solid-state Lithium-ion Batteries. Small, 2022, 18, . | 5.2 | 9 |
| 60 | Graphite foam as carbon-based footprint for in-situ fabrication of Ti ³⁺ -doped titanium niobium oxide (Ti ₂ Nb ₁₀ O ₂₉) nanocrystal for high-rate performance lithium-ion batteries. Journal of Colloid and Interface Science, 2022, 623, 1015-1026. | 5.0 | 7 |
| 61 | Photochemical Hydrogen Abstraction and Electron Transfer Reactions of Tetrachlorobenzoquinone with Pyrimidine Nucleobases. Chinese Journal of Chemical Physics, 2011, 24, 580-585. | 0.6 | 6 |
| 62 | Ewald Summation for Uniformly Charged Surface. Journal of Chemical Theory and Computation, 2006, 2, 1618-1623. | 2.3 | 5 |
| 63 | Rapid and Tunable Patterning of High Purity ZnO Nanoarrays without Template or Catalyst. Chemistry - A European Journal, 2009, 15, 4253-4257. | 1.7 | 5 |
| 64 | Layer by Layer Assemble of Colloid Nanomaterial and Functional Multilayer Films for Energy Storage and Conversion. , 2019, , 255-278. | | 4 |