# Hong-Jie Peng

List of Publications by Year
in descending order



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|---|---|---|---|
| 145 papers | 25,463 citations | 75 h-index | 151 g-index |
| 163 all docs | 163 docs citations | 163 times ranked | 13997 citing authors |

8755

7518

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The formation of crystalline lithium sulfide on electrocatalytic surfaces in lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 64, 568-573. | 12.9 | 56 |
| 2 | A perspective on the electrocatalytic conversion of carbon dioxide to methanol with metallomacrocyclic catalysts. Journal of Energy Chemistry, 2022, 64, 263-275. | 12.9 | 28 |
| 3 | A generalizable, data-driven online approach to forecast capacity degradation trajectory of lithium batteries. Journal of Energy Chemistry, 2022, 68, 548-555. | 12.9 | 46 |
| 4 | Machine Learning-Assisted Screening of Stepped Alloy Surfaces for C<sub>1</sub> Catalysis. ACS Catalysis, 2022, 12, 4252-4260. | 11.2 | 20 |
| 5 | Trends in oxygenate/hydrocarbon selectivity for electrochemical CO(2) reduction to C2 products. Nature Communications, 2022, 13, 1399. | 12.8 | 56 |
| 6 | Catalysis research in rechargeable lithium-sulfur batteries. Chinese Science Bulletin, 2022, 67, 2906-2920. | 0.7 | 2 |
| 7 | Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie, 2022, 134, . | 2.0 | 10 |
| 8 | Fluorinating the Solid Electrolyte Interphase by Rational Molecular Design for Practical Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 68 |
| 9 | Iron (Fe, Ni, Co)-based transition metal compounds for lithium-sulfur batteries: Mechanism, progress and prospects. Journal of Energy Chemistry, 2022, 73, 513-532. | 12.9 | 50 |
| 10 | The role of atomic carbon in directing electrochemical CO<sub>(2)</sub> reduction to multicarbon products. Energy and Environmental Science, 2021, 14, 473-482. | 30.8 | 62 |
| 11 | A two-dimension laminar composite protective layer for dendrite-free lithium metal anode. Journal of Energy Chemistry, 2021, 56, 391-394. | 12.9 | 26 |
| 12 | A perspective on sustainable energy materials for lithium batteries. SusMat, 2021, 1, 38-50. | 14.9 | 208 |
| 13 | A Selfâ€Limited Freeâ€Standing Sulfide Electrolyte Thin Film for Allâ€Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2101985. | 14.9 | 77 |
| 14 | Dynamics and Hysteresis of Hydrogen Intercalation and Deintercalation in Palladium Electrodes: A Multimodal <i>In Situ</i> X-ray Diffraction, Coulometry, and Computational Study. Chemistry of Materials, 2021, 33, 5872-5884. | 6.7 | 11 |
| 15 | Selective Permeable Lithiumâ€Ion Channels on Lithium Metal for Practical Lithiumâ€“Sulfur Pouch Cells. Angewandte Chemie - International Edition, 2021, 60, 18031-18036. | 13.8 | 52 |
| 16 | Selective Permeable Lithiumâ€Ion Channels on Lithium Metal for Practical Lithiumâ€“Sulfur Pouch Cells. Angewandte Chemie, 2021, 133, 18179-18184. | 2.0 | 6 |
| 17 | Bimetallic effects on Zn-Cu electrocatalysts enhance activity and selectivity for the conversion of CO2 to CO. Chem Catalysis, 2021, 1, 663-680. | 6.1 | 42 |
| 18 | Guiding the Catalytic Properties of Copper for Electrochemical CO<sub>2</sub> Reduction by Metal Atom Decoration. ACS Applied Materials & Interfaces, 2021, 13, 52044-52054. | 8.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | New insights into â€œdead lithiumâ€•during stripping in lithium metal batteries. Journal of Energy Chemistry, 2021, 62, 289-294. | 12.9 | 115 |
| 20 | Oxygen Coordination on Feâ€"Nâ€"C to Boost Oxygen Reduction Catalysis. Journal of Physical Chemistry Letters, 2021, 12, 517-524. | 4.6 | 20 |
| 21 | Exploring Trends on Coupling Mechanisms toward C<sub>3</sub> Product Formation in CO<sub>(2)</sub>R. Journal of Physical Chemistry C, 2021, 125, 26437-26447. | 3.1 | 18 |
| 22 | Dictating Highâ€Capacity Lithiumâ€"Sulfur Batteries through Redoxâ€Mediated Lithium Sulfide Growth. Small Methods, 2020, 4, 1900344. | 8.6 | 99 |
| 23 | Lithiumâ€Schwefelâ€Batterien mit Magerelektrolyt: Herausforderungen und Perspektiven. Angewandte Chemie, 2020, 132, 12736-12753. | 2.0 | 33 |
| 24 | A Supramolecular Electrolyte for Lithiumâ€Metal Batteries. Batteries and Supercaps, 2020, 3, 47-51. | 4.7 | 17 |
| 25 | Lithiumâ€"Sulfur Batteries under Lean Electrolyte Conditions: Challenges and Opportunities. Angewandte Chemie - International Edition, 2020, 59, 12636-12652. | 13.8 | 425 |
| 26 | A Supramolecular Electrolyte for Lithiumâ€Metal Batteries. Batteries and Supercaps, 2020, 3, 5-5. | 4.7 | 0 |
| 27 | A bifunctional ethylene-vinyl acetate copolymer protective layer for dendrites-free lithium metal anodes. Journal of Energy Chemistry, 2020, 48, 203-207. | 12.9 | 68 |
| 28 | Advanced energy materials for flexible batteries in energy storage: A review. SmartMat, 2020, 1, . | 10.7 | 186 |
| 29 | Ion-Solvent Chemistry-Inspired Cation-Additive Strategy to Stabilize Electrolytes for Sodium-Metal Batteries. CheM, 2020, 6, 2242-2256. | 11.7 | 116 |
| 30 | From electricity to fuels: Descriptors for C1 selectivity in electrochemical CO2 reduction. Applied Catalysis B: Environmental, 2020, 279, 119384. | 20.2 | 81 |
| 31 | Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2020, 132, 22334-22339. | 2.0 | 9 |
| 32 | Direct Intermediate Regulation Enabled by Sulfur Containers in Working Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 22150-22155. | 13.8 | 55 |
| 33 | RÃ¼cktitelbild: Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion (Angew. Chem. 23/2020). Angewandte Chemie, 2020, 132, 9278-9278. | 2.0 | 1 |
| 34 | Scalable Construction of Hollow Multishell Co<sub>3</sub>O<sub>4</sub> with Mitigated Interface Reconstruction for Efficient Lithium Storage. Advanced Materials Interfaces, 2020, 7, 2000667. | 3.7 | 19 |
| 35 | Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie - International Edition, 2020, 59, 9011-9017. | 13.8 | 164 |
| 36 | Electrochemical Phase Evolution of Metalâ€Based Preâ€Catalysts for Highâ€Rate Polysulfide Conversion. Angewandte Chemie, 2020, 132, 9096-9102. | 2.0 | 42 |

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|---|---|---|---|
| 37 | Review on nanomaterials for nextâ€generation batteries with lithium metal anodes. Nano Select, 2020, 1, 94-110. | 3.7 | 14 |
| 38 | Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie - International Edition, 2020, 59, 17670-17675. | 13.8 | 54 |
| 39 | Spatial and Kinetic Regulation of Sulfur Electrochemistry on Semiâ€Immobilized Redox Mediators in Working Batteries. Angewandte Chemie, 2020, 132, 17823-17828. | 2.0 | 5 |
| 40 | Sandwichâ€like Catalystâ€“Carbonâ€“Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2020, 132, 12227-12236. | 2.0 | 3 |
| 41 | Sodiophilicity/potassiophilicity chemistry in sodium/potassium metal anodes. Journal of Energy Chemistry, 2020, 51, 1-6. | 12.9 | 69 |
| 42 | Sandwichâ€like Catalystâ€“Carbonâ€“Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 12129-12138. | 13.8 | 130 |
| 43 | Implanting Atomic Cobalt within Mesoporous Carbon toward Highly Stable Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1903813. | 21.0 | 310 |
| 44 | Sulfur Redox Reactions at Working Interfaces in Lithiumâ€“Sulfur Batteries: A Perspective. Advanced Materials Interfaces, 2019, 6, 1802046. | 3.7 | 128 |
| 45 | Graphene-based Fe-coordinated framework porphyrin as an interlayer for lithiumâ€“sulfur batteries. Materials Chemistry Frontiers, 2019, 3, 615-619. | 5.9 | 47 |
| 46 | From Supramolecular Species to Selfâ€Templated Porous Carbon and Metalâ€Doped Carbon for Oxygen Reduction Reaction Catalysts. Angewandte Chemie, 2019, 131, 5017-5021. | 2.0 | 7 |
| 47 | From Supramolecular Species to Selfâ€Templated Porous Carbon and Metalâ€Doped Carbon for Oxygen Reduction Reaction Catalysts. Angewandte Chemie - International Edition, 2019, 58, 4963-4967. | 13.8 | 59 |
| 48 | Current-density dependence of Li<sub>2</sub>S/Li<sub>2</sub>S<sub>2</sub> growth in lithiumâ€“sulfur batteries. Energy and Environmental Science, 2019, 12, 2976-2982. | 30.8 | 102 |
| 49 | Nonuniform Redistribution of Sulfur and Lithium upon Cycling: Probing the Origin of Capacity Fading in Lithiumâ€“Sulfur Pouch Cells. Energy Technology, 2019, 7, 1900111. | 3.8 | 32 |
| 50 | Expediting redox kinetics of sulfur species by atomicâ€scale electrocatalysts in lithiumâ€“sulfur batteries. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 533-541. | 17.3 | 261 |
| 51 | Carbon materials for traffic power battery. ETransportation, 2019, 2, 100033. | 14.8 | 37 |
| 52 | pH effects on the electrochemical reduction of CO(2) towards C2 products on stepped copper. Nature Communications, 2019, 10, 32. | 12.8 | 371 |
| 53 | Innentitelbild: Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€“Sulfur Batteries Through In Situ Etching of Extrinsic Metal (Angew. Chem. 12/2019). Angewandte Chemie, 2019, 131, 3692-3692. | 2.0 | 1 |
| 54 | Conductive and Catalytic Tripleâ€Phase Interfaces Enabling Uniform Nucleation in Highâ€Rate Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1802768. | 19.5 | 508 |

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| 55 | Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€“Sulfur Batteries Through In Situ Etching of Extrinsic Metal. Angewandte Chemie - International Edition, 2019, 58, 3779-3783. | 13.8 | 296 |
| 56 | Activating Inert Metallic Compounds for Highâ€Rate Lithiumâ€“Sulfur Batteries Through In Situ Etching of Extrinsic Metal. Angewandte Chemie, 2019, 131, 3819-3823. | 2.0 | 41 |
| 57 | Lithium Metal Anodes: Artificial Softâ€“Rigid Protective Layer for Dendriteâ€Free Lithium Metal Anode (Adv. Funct. Mater. 8/2018). Advanced Functional Materials, 2018, 28, 1870049. | 14.9 | 12 |
| 58 | Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithiumâ€“Sulfur Batteries. Advanced Materials, 2018, 30, e1707483. | 21.0 | 145 |
| 59 | Porphyrinâ€Derived Grapheneâ€Based Nanosheets Enabling Strong Polysulfide Chemisorption and Rapid Kinetics in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1800849. | 19.5 | 211 |
| 60 | Ionâ€“Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. Angewandte Chemie, 2018, 130, 742-745. | 2.0 | 35 |
| 61 | Artificial Softâ€“Rigid Protective Layer for Dendriteâ€Free Lithium Metal Anode. Advanced Functional Materials, 2018, 28, 1705838. | 14.9 | 470 |
| 62 | Innentitelbild: Ionâ€“Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode (Angew. Chem. 3/2018). Angewandte Chemie, 2018, 130, 606-606. | 2.0 | 0 |
| 63 | Sulfurized solid electrolyte interphases with a rapid Li+ diffusion on dendrite-free Li metal anodes. Energy Storage Materials, 2018, 10, 199-205. | 18.0 | 215 |
| 64 | A Bifunctional Perovskite Promoter for Polysulfide Regulation toward Stable Lithiumâ€“Sulfur Batteries. Advanced Materials, 2018, 30, 1705219. | 21.0 | 276 |
| 65 | A Review of Functional Binders in Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1802107. | 19.5 | 324 |
| 66 | The Radical Pathway Based on a Lithiumâ€Metalâ€Compatible Highâ€Dielectric Electrolyte for Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2018, 57, 16732-16736. | 13.8 | 170 |
| 67 | The Radical Pathway Based on a Lithiumâ€Metalâ€Compatible Highâ€Dielectric Electrolyte for Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2018, 130, 16974-16978. | 2.0 | 36 |
| 68 | Solventâ€Engineered Scalable Production of Polysulfideâ€Blocking Shields to Enhance Practical Lithiumâ€“Sulfur Batteries. Small Methods, 2018, 2, 1800100. | 8.6 | 23 |
| 69 | Porphyrin Organic Frameworks: Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithium-Sulfur Batteries (Adv. Mater. 23/2018). Advanced Materials, 2018, 30, 1870160. | 21.0 | 4 |
| 70 | Heterogeneous/Homogeneous Mediators for Highâ€Energyâ€Density Lithiumâ€“Sulfur Batteries: Progress and Prospects. Advanced Functional Materials, 2018, 28, 1707536. | 14.9 | 251 |
| 71 | Ionâ€“Solvent Complexes Promote Gas Evolution from Electrolytes on a Sodium Metal Anode. Angewandte Chemie - International Edition, 2018, 57, 734-737. | 13.8 | 208 |
| 72 | Towards stable lithium-sulfur batteries: Mechanistic insights into electrolyte decomposition on lithium metal anode. Energy Storage Materials, 2017, 8, 194-201. | 18.0 | 171 |

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|---|---|---|---|
| 73 | Implantable Solid Electrolyte Interphase in Lithium-Metal Batteries. CheM, 2017, 2, 258-270. | 11.7 | 474 |
| 74 | An Analogous Periodic Law for Strong Anchoring of Polysulfides on Polar Hosts in Lithium Sulfur Batteries: S- or Li-Binding on First-Row Transition-Metal Sulfides?. ACS Energy Letters, 2017, 2, 795-801. | 17.4 | 264 |
| 75 | A Quinonoidâ€Imineâ€Enriched Nanostructured Polymer Mediator for Lithiumâ€"Sulfur Batteries. Advanced Materials, 2017, 29, 1606802. | 21.0 | 127 |
| 76 | Beaver-dam-like membrane: A robust and sulphifilic MgBO2(OH)/CNT/PP nest separator in Li-S batteries. Energy Storage Materials, 2017, 8, 153-160. | 18.0 | 86 |
| 77 | Review on Highâ€Loading and Highâ€Energy Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1700260. | 19.5 | 1,307 |
| 78 | Lithium Bond Chemistry in Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2017, 129, 8290-8294. | 2.0 | 85 |
| 79 | Lithium Bond Chemistry in Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 8178-8182. | 13.8 | 439 |
| 80 | Understanding trends in electrochemical carbon dioxide reduction rates. Nature Communications, 2017, 8, 15438. | 12.8 | 527 |
| 81 | A Toolbox for Lithiumâ€"Sulfur Battery Research: Methods and Protocols. Small Methods, 2017, 1, 1700134. | 8.6 | 230 |
| 82 | Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. Journal of the American Chemical Society, 2017, 139, 8458-8466. | 13.7 | 198 |
| 83 | Scaled-up fabrication of porous-graphene-modified separators for high-capacity lithiumâ€"sulfur batteries. Energy Storage Materials, 2017, 7, 56-63. | 18.0 | 172 |
| 84 | An anion-immobilized composite electrolyte for dendrite-free lithium metal anodes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11069-11074. | 7.1 | 710 |
| 85 | RÃ¼cktitelbild: Columnar Lithium Metal Anodes (Angew. Chem. 45/2017). Angewandte Chemie, 2017, 129, 14508-14508. | 2.0 | 0 |
| 86 | Metal/nanocarbon layer current collectors enhanced energy efficiency in lithium-sulfur batteries. Science Bulletin, 2017, 62, 1267-1274. | 9.0 | 49 |
| 87 | Columnar Lithium Metal Anodes. Angewandte Chemie - International Edition, 2017, 56, 14207-14211. | 13.8 | 199 |
| 88 | Columnar Lithium Metal Anodes. Angewandte Chemie, 2017, 129, 14395-14399. | 2.0 | 51 |
| 89 | A review of flexible lithiumâ€"sulfur and analogous alkali metalâ€"chalcogen rechargeable batteries. Chemical Society Reviews, 2017, 46, 5237-5288. | 38.1 | 572 |
| 90 | A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 16223-16227. | 13.8 | 85 |

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| 91 | A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries. Angewandte Chemie, 2017, 129, 16441-16445. | 2.0 | 19 |
| 92 | Review of nanostructured current collectors in lithiumâ€"sulfur batteries. Nano Research, 2017, 10, 4027-4054. | 10.4 | 91 |
| 93 | Lithiumâ€Sulfur Batteries: Review on Highâ€Loading and Highâ€Energy Lithiumâ€"Sulfur Batteries (Adv. Energy) Tj ETQq1 1 0.784314 | 19.5 | 44 |
| 94 | InnenrÃ¼cktitelbild: A Supramolecular Capsule for Reversible Polysulfide Storage/Delivery in Lithiumâ€Sulfur Batteries (Angew. Chem. 51/2017). Angewandte Chemie, 2017, 129, 16635-16635. | 2.0 | 0 |
| 95 | Design Principles for Heteroatom-Doped Nanocarbon to Achieve Strong Anchoring of Polysulfides for Lithium-Sulfur Batteries. Small, 2016, 12, 3283-3291. | 10.0 | 661 |
| 96 | Dendriteâ€Free Lithium Deposition Induced by Uniformly Distributed Lithium Ions for Efficient Lithium Metal Batteries. Advanced Materials, 2016, 28, 2888-2895. | 21.0 | 877 |
| 97 | Frontispiz: Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2016, 128, . | 2.0 | 1 |
| 98 | Frontispiece: Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, . | 13.8 | 2 |
| 99 | Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2016, 55, 12990-12995. | 13.8 | 560 |
| 100 | Enhanced Electrochemical Kinetics on Conductive Polar Mediators for Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2016, 128, 13184-13189. | 2.0 | 115 |
| 101 | Janus Separator of Polypropyleneâ€Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithiumâ€"Sulfur Batteries. Advanced Science, 2016, 3, 1500268. | 11.2 | 294 |
| 102 | Hydrothermal synthesis of porous phosphorus-doped carbon nanotubes and their use in the oxygen reduction reaction and lithium-sulfur batteries. New Carbon Materials, 2016, 31, 352-362. | 6.1 | 100 |
| 103 | A Cooperative Interface for Highly Efficient Lithiumâ€"Sulfur Batteries. Advanced Materials, 2016, 28, 9551-9558. | 21.0 | 514 |
| 104 | 3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for Highâ€Sulfurâ€Loading Lithiumâ€"Sulfur Batteries. Advanced Functional Materials, 2016, 26, 6351-6358. | 14.9 | 216 |
| 105 | Lithiumâ€Sulfur Batteries: A Cooperative Interface for Highly Efficient Lithiumâ€"Sulfur Batteries (Adv.) Tj ETQq1 1 0.784314 rgBT /O | 21.0 | 3 |
| 106 | Porous carbon derived from rice husks as sustainable bioresources: insights into the role of micro-/mesoporous hierarchy in hosting active species for lithiumâ€"sulphur batteries. Green Chemistry, 2016, 18, 5169-5179. | 9.0 | 140 |
| 107 | Rational Integration of Polypropylene/Graphene Oxide/Nafion as Ternaryâ€Layered Separator to Retard the Shuttle of Polysulfides for Lithiumâ€"Sulfur Batteries. Small, 2016, 12, 381-389. | 10.0 | 315 |
| 108 | Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. Advanced Materials, 2016, 28, 2155-2162. | 21.0 | 591 |

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| 109 | Lithium Anodes: Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth (Adv. Mater. 11/2016). Advanced Materials, 2016, 28, 2090-2090. | 21.0 | 1 |
| 110 | Li 2 S 5 -based ternary-salt electrolyte for robust lithium metal anode. Energy Storage Materials, 2016, 3, 77-84. | 18.0 | 236 |
| 111 | Powering Lithiumâ€“Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. Nano Letters, 2016, 16, 519-527. | 9.1 | 1,294 |
| 112 | Towards Stable Lithiumâ€“Sulfur Batteries with a Low Selfâ€Discharge Rate: Ion Diffusion Modulation and Anode Protection. ChemSusChem, 2015, 8, 2892-2901. | 6.8 | 66 |
| 113 | 3D Mesoporous Graphene: CVD Self-Assembly on Porous Oxide Templates and Applications in High-Stable Li-S Batteries. Small, 2015, 11, 5243-5252. | 10.0 | 120 |
| 114 | Designing Host Materials for Sulfur Cathodes: From Physical Confinement to Surface Chemistry. Angewandte Chemie - International Edition, 2015, 54, 11018-11020. | 13.8 | 222 |
| 115 | Dual-Phase Lithium Metal Anode Containing a Polysulfide-Induced Solid Electrolyte Interphase and Nanostructured Graphene Framework for Lithiumâ€“Sulfur Batteries. ACS Nano, 2015, 9, 6373-6382. | 14.6 | 297 |
| 116 | Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithiumâ€“Sulfur Batteries. ACS Nano, 2015, 9, 3002-3011. | 14.6 | 723 |
| 117 | Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. Catalysis Today, 2015, 249, 244-251. | 4.4 | 48 |
| 118 | The formation of strong-couple interactions between nitrogen-doped graphene and sulfur/lithium (poly)sulfides in lithium-sulfur batteries. 2D Materials, 2015, 2, 014011. | 4.4 | 94 |
| 119 | Template growth of porous graphene microspheres on layered double oxide catalysts and their applications in lithiumâ€“sulfur batteries. Carbon, 2015, 92, 96-105. | 10.3 | 77 |
| 120 | Interconnected carbon nanotube/graphene nanosphere scaffolds as free-standing paper electrode for high-rate and ultra-stable lithiumâ€“sulfur batteries. Nano Energy, 2015, 11, 746-755. | 16.0 | 168 |
| 121 | Hierarchical Vineâ€Treeâ€Like Carbon Nanotube Architectures: Inâ€Situ CVD Selfâ€Assembly and Their Use as Robust Scaffolds for Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 7051-7058. | 21.0 | 104 |
| 122 | Catalytic Self-Limited Assembly at Hard Templates: A Mesoscale Approach to Graphene Nanoshells for Lithiumâ€“Sulfur Batteries. ACS Nano, 2014, 8, 11280-11289. | 14.6 | 166 |
| 123 | Electrodes: Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfurâ€Loading for Lithiumâ€“Sulfur Batteries (Adv. Funct. Mater. 39/2014). Advanced Functional Materials, 2014, 24, 6244-6244. | 14.9 | 9 |
| 124 | Ionic shield for polysulfides towards highly-stable lithiumâ€“sulfur batteries. Energy and Environmental Science, 2014, 7, 347-353. | 30.8 | 624 |
| 125 | Unstacked double-layer templated graphene for high-rate lithiumâ€“sulphur batteries. Nature Communications, 2014, 5, 3410. | 12.8 | 602 |
| 126 | Cathode materials based on carbon nanotubes for high-energy-density lithiumâ€“sulfur batteries. Carbon, 2014, 75, 161-168. | 10.3 | 84 |

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| 127 | Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2014, 24, 2772-2781. | 14.9 | 495 |
| 128 | Carbon: Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithium-Sulfur Batteries (Adv. Funct. Mater.) Tj ETQq0 0 0 rg BT /Overlock 10 Tf 50 | 14.9 | 4 |
| 129 | Nitrogenâ€Doped Aligned Carbon Nanotube/Graphene Sandwiches: Facile Catalytic Growth on Bifunctional Natural Catalysts and Their Applications as Scaffolds for Highâ€Rate Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 6100-6105. | 21.0 | 534 |
| 130 | Polysulfide shuttle control: Towards a lithium-sulfur battery with superior capacity performance up to 1000 cycles by matching the sulfur/electrolyte loading. Journal of Power Sources, 2014, 253, 263-268. | 7.8 | 124 |
| 131 | Aligned carbon nanotube/sulfur composite cathodes with high sulfur content for lithiumâ€"sulfur batteries. Nano Energy, 2014, 4, 65-72. | 16.0 | 366 |
| 132 | Lithium-Sulfur Batteries: Hierarchical Vine-Tree-Like Carbon Nanotube Architectures: In-Situ CVD Self-Assembly and Their Use as Robust Scaffolds for Lithium-Sulfur Batteries (Adv. Mater. 41/2014). Advanced Materials, 2014, 26, 6986-6986. | 21.0 | 3 |
| 133 | Flexible all-carbon interlinked nanoarchitectures as cathode scaffolds for high-rate lithiumâ€"sulfur batteries. Journal of Materials Chemistry A, 2014, 2, 10869-10875. | 10.3 | 83 |
| 134 | Lithiumâ€Sulfur Batteries: Dendriteâ€Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultraâ€Stable Lithiumâ€"Sulfur Batteries (Small 21/2014). Small, 2014, 10, 4222-4222. | 10.0 | 62 |
| 135 | Dendriteâ€Free Nanostructured Anode: Entrapment of Lithium in a 3D Fibrous Matrix for Ultraâ€Stable Lithiumâ€"Sulfur Batteries. Small, 2014, 10, 4257-4263. | 10.0 | 154 |
| 136 | Hierarchical Freeâ€Standing Carbonâ€Nanotube Paper Electrodes with Ultrahigh Sulfurâ€Loading for Lithiumâ€"Sulfur Batteries. Advanced Functional Materials, 2014, 24, 6105-6112. | 14.9 | 476 |
| 137 | Batteries: Strongly Coupled Interfaces between a Heterogeneous Carbon Host and a Sulfurâ€Containing Guest for Highly Stable Lithiumâ€Sulfur Batteries: Mechanistic Insight into Capacity Degradation (Adv.) Tj ETQq1 1 0.784314 rgBT /O | 3.7 | |
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