

A highly ordered nanostructured carbonâ€™sulphur cat

Nature Materials

8, 500-506

DOI: [10.1038/nmat2460](https://doi.org/10.1038/nmat2460)

Citation Report

#	ARTICLE	IF	CITATIONS
6	Hierarchically Structured Sulfur/Carbon Nanocomposite Material for High-Energy Lithium Battery. Chemistry of Materials, 2009, 21, 4724-4730.	3.2	815
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8	Facile synthesis of NaV ₆ O ₁₅ nanorods and its electrochemical behavior as cathode material in rechargeable lithium batteries. Journal of Materials Chemistry, 2009, 19, 7885.	6.7	136
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27	Influence of pH of Gelatin Solution on Cycle Performance of the Sulfur Cathode. <i>Journal of the Electrochemical Society</i> , 2010, 157, A443.	1.3	24
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1092	Single step transformation of sulphur to Li ₂ S ₂ /Li ₂ S in Li-S batteries. <i>Scientific Reports</i> , 2015, 5, 12146.	1.6	154
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1095	Microporous carbon nanosheets derived from corncobs for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2015, 176, 853-860.	2.6	162
1096	Nanocomposite Architecture for Rapid, Spectrally-Selective Electrochromic Modulation of Solar Transmittance. <i>Nano Letters</i> , 2015, 15, 5574-5579.	4.5	179
1097	PEO-coated sulfur-carbon composite for high-performance lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3373-3379.	1.2	31
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1407	Structural and chemical synergistic encapsulation of polysulfides enables ultralong-life lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 2533-2538.	15.6	330
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1409	Mango stone-derived activated carbon with high sulfur loading as a cathode material for lithium-sulfur batteries. <i>RSC Advances</i> , 2016, 6, 39918-39925.	1.7	39
1410	Enhanced charging capability of lithium metal batteries based on lithium bis(trifluoromethanesulfonyl)imide-lithium bis(oxalato)borate dual-salt electrolytes. <i>Journal of Power Sources</i> , 2016, 318, 170-177.	4.0	186
1411	Three-Dimensional Hierarchical Graphene-CNT@Se: A Highly Efficient Freestanding Cathode for Li-Se Batteries. <i>ACS Energy Letters</i> , 2016, 1, 16-20.	8.8	161
1412	The design of nanostructured sulfur cathodes using layer by layer assembly. <i>Energy and Environmental Science</i> , 2016, 9, 1668-1673.	15.6	45
1413	High-Energy-Density Lithium-Sulfur Batteries Based on Blade-Cast Pure Sulfur Electrodes. <i>ACS Energy Letters</i> , 2016, 1, 46-51.	8.8	109
1414	Polymerizations with elemental sulfur: A novel route to high sulfur content polymers for sustainability, energy and defense. <i>Progress in Polymer Science</i> , 2016, 58, 90-125.	11.8	321
1415	Mapping the Challenges of Magnesium Battery. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1736-1749.	2.1	224
1416	Lithium ion batteries made of electrodes with 99 wt% active materials and 1 wt% carbon nanotubes without binder or metal foils. <i>Journal of Power Sources</i> , 2016, 321, 155-162.	4.0	33
1417	A lithium-tellurium rechargeable battery with exceptional cycling stability. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 627-633.	1.5	31
1418	Highly efficient synthesis of ordered nitrogen-doped mesoporous carbons with tunable properties and its application in high performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 321, 143-154.	4.0	77
1419	In situ synthesis of flexible elastic N-doped carbon foam as a carbon current collector and interlayer for high-performance lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8636-8644.	5.2	62

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1421	An in situ confinement strategy to porous poly(3,4-ethylenedioxythiophene)/sulfur composites for lithium-sulfur batteries. <i>RSC Advances</i> , 2016, 6, 47858-47863.	1.7	9
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1423	Sulfur-impregnated 3D hierarchical porous nitrogen-doped aligned carbon nanotubes as high-performance cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 322, 138-146.	4.0	66
1424	A simply effective double-coating cathode with MnO ₂ nanosheets/graphene as functionalized interlayer for high performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2016, 207, 198-206.	2.6	85
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1426	Inverse vulcanization of bismaleimide and divinylbenzene by elemental sulfur for lithium sulfur batteries. <i>European Polymer Journal</i> , 2016, 80, 70-77.	2.6	82
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1432	Atomic Layer Deposition for Lithium-Based Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600564.	1.9	71
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1439	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. <i>Nano Research</i> , 2016, 9, 3725-3734.	5.8	45
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1451	A long-life lithium-sulphur battery by integrating zinc-organic framework based separator. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16812-16817.	5.2	121
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1467	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
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1551	Effective sulfur-salt composite cathode containing lithium bis(trifluoromethane) sulfonamide for lithium sulfur batteries. <i>Electrochimica Acta</i> , 2016, 220, 130-136.	2.6	10
1552	Graphene-Based Hierarchically Micro/Mesoporous Nanocomposites as Sulfur Immobilizers for High-Performance Lithium-Sulfur Batteries. <i>Chemistry of Materials</i> , 2016, 28, 7864-7871.	3.2	48
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1558	High-performance supercapacitors and batteries derived from activated banana-peel with porous structures. <i>Electrochimica Acta</i> , 2016, 222, 1257-1266.	2.6	147
1559	Controlled Preparation of Well-Defined Mesoporous Carbon/Polymer Hybrids via Surface-Initiated ICAR ATRP with a High Dilution Strategy Assisted by Facile Polydopamine Chemistry. <i>Macromolecules</i> , 2016, 49, 8943-8950.	2.2	25
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1570	Guar gum as a novel binder for sulfur composite cathodes in rechargeable lithium batteries. <i>Chemical Communications</i> , 2016, 52, 13479-13482.	2.2	66
1571	Effect of vapor pressure on performance of sulfurized polyacrylonitrile cathodes for Li/S batteries. <i>RSC Advances</i> , 2016, 6, 106625-106630.	1.7	29
1572	Growth of conformal graphene cages on micrometre-sized silicon particles as stable battery anodes. <i>Nature Energy</i> , 2016, 1, .	19.8	609
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1577	Polysulfides Capture-Copper Additive for Long Cycle Life Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30248-30255.	4.0	54
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1680	Novel gel polymer electrolyte for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2016, 22, 278-289.	8.2	382
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1687	Three-dimensional porous carbon composites containing high sulfur nanoparticle content for high-performance lithium-sulfur batteries. <i>Nature Communications</i> , 2016, 7, 10601.	5.8	637
1688	Effects of compatibility of polymer binders with solvate ionic liquid electrolytes on discharge and charge reactions of lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2016, 307, 746-752.	4.0	52
1689	Film Properties of Electropolymerized Polypyrrole for a Sulfur/Ketjenblack Cathode in Lithium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 2016, 163, A683-A689.	1.3	25

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1691	Nanocellulose-laden composite polymer electrolytes for high performing lithium-sulphur batteries. <i>Energy Storage Materials</i> , 2016, 3, 69-76.	9.5	102
1692	Separator modified by Ketjen black for enhanced electrochemical performance of lithium-sulfur batteries. <i>RSC Advances</i> , 2016, 6, 13680-13685.	1.7	54
1693	Nanostructured nitrogen-doped mesoporous carbon derived from polyacrylonitrile for advanced lithium sulfur batteries. <i>Applied Surface Science</i> , 2016, 380, 151-158.	3.1	45
1694	Comparative theoretical study of adsorption of lithium polysulfides (Li ₂ S _x) on pristine and defective graphene. <i>Journal of Power Sources</i> , 2016, 308, 166-171.	4.0	70
1695	Improvement of Cycling Performance of Lithium-Sulfur Batteries by Using Magnesium Oxide as a Functional Additive for Trapping Lithium Polysulfide. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4000-4006.	4.0	161
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1698	<i>In Situ</i> Reactive Assembly of Scalable Core-Shell Sulfur-MnO ₂ Composite Cathodes. <i>ACS Nano</i> , 2016, 10, 4192-4198.	7.3	351
1699	Synthesis of graphitic ordered mesoporous carbon with cubic symmetry and its application in lithium-sulfur batteries. <i>Nanotechnology</i> , 2016, 27, 125401.	1.3	16
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1701	Immobilization of sulfur in microgels for lithium-sulfur battery. <i>Chemical Communications</i> , 2016, 52, 4525-4528.	2.2	36
1702	Atomic layer deposited TiO ₂ on a nitrogen-doped graphene/sulfur electrode for high performance lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 1495-1503.	15.6	320
1703	Distribution of Sulfur in Carbon/Sulfur Nanocomposites Analyzed by Small-Angle X-ray Scattering. <i>Langmuir</i> , 2016, 32, 2780-2786.	1.6	36
1704	Stabilization of polysulfides via lithium bonds for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5406-5409.	5.2	105
1705	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. <i>RSC Advances</i> , 2016, 6, 25056-25061.	1.7	15
1706	Ball-milling synthesis of ZnO@sulphur/carbon nanotubes and Ni(OH) ₂ @sulphur/carbon nanotubes composites for high-performance lithium-sulphur batteries. <i>Electrochimica Acta</i> , 2016, 196, 369-376.	2.6	77
1707	A novel synergistic composite with multi-functional effects for high-performance Li-S batteries. <i>Energy and Environmental Science</i> , 2016, 9, 1998-2004.	15.6	527

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1710	Powering Lithium-Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. <i>Nano Letters</i> , 2016, 16, 519-527.	4.5	1,294
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1713	Novel strategies towards the realization of larger lithium sulfur/silicon pouch cells. <i>Electrochimica Acta</i> , 2016, 191, 124-132.	2.6	29
1714	A novel acetylene black/sulfur@graphene composite cathode with unique three-dimensional sandwich structure for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2016, 190, 426-433.	2.6	42
1715	Sulfur Nanogranular Film-Coated Three-Dimensional Graphene Sponge-Based High Power Lithium Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1984-1991.	4.0	63
1716	Magnetic PSA-Fe ₃ O ₄ @C 3D mesoporous microsphere as anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 188, 734-743.	2.6	26
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1729	Electrochemical characterization of sulfur with low depth of charge/discharge in lithium sulfur batteries. <i>Electrochimica Acta</i> , 2016, 187, 629-635.	2.6	19
1730	Carbon-supported and nanosheet-assembled vanadium oxide microspheres for stable lithium-ion battery anodes. <i>Nano Research</i> , 2016, 9, 128-138.	5.8	64
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1733	Graphene-directed two-dimensional porous carbon frameworks for high-performance lithiumâ€sulfur battery cathodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 314-320.	5.2	83
1734	A gel-ceramic multi-layer electrolyte for long-life lithium sulfur batteries. <i>Chemical Communications</i> , 2016, 52, 1637-1640.	2.2	113
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1736	A layer-by-layer supramolecular structure for a sulfur cathode. <i>Energy and Environmental Science</i> , 2016, 9, 992-998.	15.6	52
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1742	Partially unzipped carbon nanotubes for high-rate and stable lithiumâ€sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 819-826.	5.2	76
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1747	High-power lithium polysulfide-carbon battery. <i>Carbon</i> , 2016, 96, 125-130.	5.4	22
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1749	Synthesis and characterization of sulfur-carbon-vanadium pentoxide composites for improved electrochemical properties of lithium-sulfur batteries. <i>Materials Research Bulletin</i> , 2016, 73, 164-170.	2.7	32
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1753	The controllable construction and properties characterization of organic-inorganic hybrid materials based on benzoxazine-bridged polysilsesquioxanes. <i>RSC Advances</i> , 2017, 7, 3136-3144.	1.7	11
1754	Catalytic oxidation of Li ₂ S on the surface of metal sulfides for Li-S batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 840-845.	3.3	1,030
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1757	Time-dependent density functional theory study on direction-dependent electron and hole transfer processes in molecular systems. <i>Journal of Computational Chemistry</i> , 2017, 38, 698-703.	1.5	3
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1763	Heterogeneous Catalysis for Lithium-Sulfur Batteries: Enhanced Rate Performance by Promoting Polysulfide Fragmentations. <i>ACS Energy Letters</i> , 2017, 2, 327-333.	8.8	174
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1791	Core-Shell Structure and Interaction Mechanism of ³ MnO ₂ Coated Sulfur for Improved Lithium-Sulfur Batteries. <i>Small</i> , 2017, 13, 1603466.	5.2	145
1792	Structure controllable carbon matrix derived from benzene-constructed porous organic polymers for high-performance Li-S batteries. <i>Carbon</i> , 2017, 116, 633-639.	5.4	16
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1801	Transforming waste newspapers into nitrogen-doped conducting interlayers for advanced Li-S batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 444-449.	2.5	26
1802	The use of polymers in Li-S batteries: A review. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1635-1668.	2.5	119
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1806	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1605160.	11.1	284
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1808	Enhanced performance of sulfur-infiltrated bimodal mesoporous carbon foam by chemical solution deposition as cathode materials for lithium sulfur batteries. <i>Scientific Reports</i> , 2017, 7, 42238.	1.6	20
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1814	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2937-2941.	7.2	50
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1817	Aluminium-ion batteries: developments and challenges. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6347-6367.	5.2	312
1818	Lock of sulfur with carbon black and a three-dimensional graphene@carbon nanotubes coated separator for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 708, 743-750.	2.8	54
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1820	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. <i>Angewandte Chemie</i> , 2017, 129, 2983-2987.	1.6	6
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1826	Characteristics of glyme electrolytes for sodium battery: nuclear magnetic resonance and electrochemical study. <i>Electrochimica Acta</i> , 2017, 231, 223-229.	2.6	39
1828	Revealing Localized Electrochemical Transition of Sulfur in Sub-nanometer Confinement. <i>Springer Theses</i> , 2017, , 23-37.	0.0	1
1829	Flexible Nanostructured Sulfur-Carbon Nanotube Cathode with High-Rate Performance for Li-S Batteries. <i>Springer Theses</i> , 2017, , 39-55.	0.0	0
1830	A Graphene Foam Electrode with High Sulfur Loading for Flexible and High-Energy Li-S Batteries. <i>Springer Theses</i> , 2017, , 95-112.	0.0	1
1831	Enhanced Li-S batteries using cation-functionalized pigment nanocarbon in core-shell structured composite cathodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5559-5567.	5.2	21
1832	A Conductive Molecular Framework Derived Li ₂ S/N,P-Codoped Carbon Cathode for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602876.	10.2	258
1833	Sulfonic Groups Originated Dual-Functional Interlayer for High Performance Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14878-14888.	4.0	126
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1836	Investigation of in situ grown and carbon-free copper sulfide electrode for rechargeable lithium battery. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 8-14.	1.9	9
1837	Atomic-Layer-Deposition Functionalized Carbonized Mesoporous Wood Fiber for High Sulfur Loading Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14801-14807.	4.0	77
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1840	A novel strategy for high-stability lithium sulfur batteries by in situ formation of polysulfide adsorptive-blocking layer. <i>Journal of Power Sources</i> , 2017, 355, 147-153.	4.0	30
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1844	Functional membrane separators for next-generation high-energy rechargeable batteries. <i>National Science Review</i> , 2017, 4, 917-933.	4.6	89
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1851	Graphene directed architecture of fine engineered nanostructures with electrochemical applications. <i>Electrochimica Acta</i> , 2017, 242, 202-218.	2.6	24
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1874	Hollow spherical Lanthanum oxide coated separator for high electrochemical performance lithium-sulfur batteries. <i>Materials Research Bulletin</i> , 2017, 94, 104-112.	2.7	38
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1881	Free-standing sulfur host based on titanium-dioxide-modified porous-carbon nanofibers for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 356, 172-180.	4.0	91
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1886	Hierarchical sulfur confinement by graphene oxide wrapped, walnut-like carbon spheres for cathode of Li-S battery. <i>Journal of Alloys and Compounds</i> , 2017, 714, 311-317.	2.8	32
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1899	Towards flexible lithium-sulfur battery from natural cotton textile. <i>Electrochimica Acta</i> , 2017, 246, 507-516.	2.6	137
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1902	Separator modified by Y ₂ O ₃ nanoparticles-Ketjen Black hybrid and its application in lithium-sulfur battery. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3229-3236.	1.2	25
1903	Double-oxide sulfur host for advanced lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 38, 12-18.	8.2	93
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1905	Lithium ion, lithium metal, and alternative rechargeable battery technologies: the odyssey for high energy density. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1939-1964.	1.2	787
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1916	A novel bi-functional double-layer rGO-PVDF/PVDF composite nanofiber membrane separator with enhanced thermal stability and effective polysulfide inhibition for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15096-15104.	5.2	121
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1923	Electrocatalysis of polysulfide conversion by sulfur-deficient MoS ₂ nanoflakes for lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1476-1486.	15.6	805
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1946	Three-dimensionally ordered, ultrathin graphitic-carbon frameworks with cage-like mesoporosity for highly stable Li-S batteries. <i>Nano Research</i> , 2017, 10, 2495-2507.	5.8	30
1947	A Facile Synthesis of Mesoporous TiO ₂ Sub-Microsphere Host for Long Life Lithium-Sulfur Battery Cathodes. <i>Electrochimica Acta</i> , 2017, 239, 56-64.	2.6	33
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1959	Synthesis and characterization of sulfur/carbon/porous nanostructured V ₂ O ₅ composite cathodes for lithium sulfur batteries. <i>Advanced Powder Technology</i> , 2017, 28, 1411-1417.	2.0	19
1960	Effect of Carbon and Binder on High Sulfur Loading Electrode for Li-S Battery Technology. <i>Electrochimica Acta</i> , 2017, 235, 399-408.	2.6	32
1961	Crosslinked Polypyrrole Grafted Reduced Graphene Oxide-Sulfur Nanocomposite Cathode for High Performance Li-S Battery. <i>Electrochimica Acta</i> , 2017, 235, 32-41.	2.6	50

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1964	Instantaneous carbonization of an acetylenic polymer into highly conductive graphene-like carbon and its application in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7015-7025.	5.2	26
1965	Capacity retention of lithium sulfur batteries enhanced with nano-sized TiO ₂ -embedded polyethylene oxide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6708-6715.	5.2	66
1966	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. <i>Journal of the American Chemical Society</i> , 2017, 139, 8458-8466.	6.6	198
1967	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	23.0	3,940
1968	MoS ₂ /Celgard Separator as Efficient Polysulfide Barrier for Long-Life Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1606817.	11.1	746
1969	High-capacity, low-tortuosity, and channel-guided lithium metal anode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3584-3589.	3.3	412
1970	Elaborate construction and electrochemical properties of lignin-derived macro-/micro-porous carbon-sulfur composites for rechargeable lithium-sulfur batteries: The effect of sulfur-loading time. <i>Journal of Alloys and Compounds</i> , 2017, 709, 677-685.	2.8	33
1971	A high strength, free-standing cathode constructed by regulating graphitization and the pore structure in nitrogen-doped carbon nanofibers for flexible lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6832-6839.	5.2	94
1972	From Silica Sphere to Hollow Carbon Nitride-Based Sphere: Rational Design of Sulfur Host with Both Chemisorption and Physical Confinement. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601195.	1.9	25
1973	Strings of Porous Carbon Polyhedrons as Self-Standing Cathode Host for High-Energy-Density Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2017, 129, 6272-6276.	1.6	37
1974	Strings of Porous Carbon Polyhedrons as Self-Standing Cathode Host for High-Energy-Density Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6176-6180.	7.2	153
1975	One-Step Process to Remove Spent Sulfidic Caustics and Assemble Advanced Sulfur Cathodes Synchronously for Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2017, 5, 1282-1291.	1.8	2
1976	Confined selenium within metal-organic frameworks derived porous carbon microcubes as cathode for rechargeable lithium-selenium batteries. <i>Journal of Power Sources</i> , 2017, 341, 53-59.	4.0	56
1977	Transition Metal Dichalcogenide Atomic Layers for Lithium Polysulfides Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 171-178.	6.6	325
1978	Biomass Organs Control the Porosity of Their Pyrolyzed Carbon. <i>Advanced Functional Materials</i> , 2017, 27, 1604687.	7.8	154
1979	Highly Efficient Retention of Polysulfides in Sea Urchin-Like Carbon Nanotube/Nanopolyhedra Superstructures as Cathode Material for Ultralong-Life Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2017, 17, 437-444.	4.5	223

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1981	In Situ X-ray Absorption Spectroscopy Studies of Discharge Reactions in a Thick Cathode of a Lithium Sulfur Battery. <i>Journal of the Electrochemical Society</i> , 2017, 164, A18-A27.	1.3	31
1982	Scalable Synthesis of Honeycomb-like Ordered Mesoporous Carbon Nanosheets and Their Application in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2430-2438.	4.0	61
1983	Mechanism of Capacity Fade in Sodium Storage and the Strategies of Improvement for FeS ₂ Anode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1536-1541.	4.0	77
1984	Sulfur enriched carbon nanotubols with a Poly(3,4-ethylenedioxyppyrrrole) coating as cathodes for long-lasting Li-S batteries. <i>Journal of Power Sources</i> , 2017, 342, 202-213.	4.0	28
1985	Review "On the Mechanism of Quasi-Solid-State Lithiation of Sulfur Encapsulated in Microporous Carbons: Is the Existence of Small Sulfur Molecules Necessary?". <i>Journal of the Electrochemical Society</i> , 2017, 164, A6244-A6253.	1.3	74
1986	Amorphous Lithium Lanthanum Titanate for Solid-State Microbatteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6268-A6273.	1.3	35
1987	Metal Sulfide-Blended Sulfur Cathodes in High Energy Lithium-Sulfur Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, A265-A276.	1.3	42
1988	A Sulfur-Rich Copolymer@CNT Hybrid Cathode with Dual-Confinement of Polysulfides for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1603835.	11.1	202
1989	A Lithium/Polysulfide Battery with Dual-Working Mode Enabled by Liquid Fuel and Acrylate-Based Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2526-2534.	4.0	24
1990	High Capacity Sulfurized Alcohol Composite Positive Electrode Materials Applicable for Lithium Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6288-A6293.	1.3	8
1991	A pre-lithiation method for sulfur cathode used for future lithium metal free full battery. <i>Journal of Power Sources</i> , 2017, 342, 537-545.	4.0	29
1992	Graphitized porous carbon materials with high sulfur loading for lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 32, 503-510.	8.2	118
1993	Ammonium Additives to Dissolve Lithium Sulfide through Hydrogen Binding for High-Energy Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4290-4295.	4.0	74
1994	Sulfur impregnated N, P co-doped hierarchical porous carbon as cathode for high performance Li-S batteries. <i>Journal of Power Sources</i> , 2017, 341, 165-174.	4.0	157
1995	Fabrication of a new gel polymer electrolyte containing core-shell silica-polyelectrolyte nanoparticles via activators regenerated by electron transfer atom transfer radical polymerization (ARGET-ATRP) for high-performance lithium-sulfur batteries. <i>Chemical Papers</i> , 2017, 71, 21-28.	1.0	12
1996	Synthesis, Structure, and Electrochemical Properties of a Sulfur-Carbon Replica Composite Electrode for All-Solid-State Li-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6178-A6183.	1.3	20
1997	Freestanding hollow double-shell Se@CNx nanobelts as large-capacity and high-rate cathodes for Li-Se batteries. <i>Nano Energy</i> , 2017, 32, 1-9.	8.2	108

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1999	Lithium-Sulfur Battery Cable Made from Ultralight, Flexible Graphene/Carbon Nanotube/Sulfur Composite Fibers. <i>Advanced Functional Materials</i> , 2017, 27, 1604815.	7.8	176
2000	Edge-functionalized acetylene black anchoring sulfur for high-performance Li-S batteries. <i>Journal of Energy Chemistry</i> , 2017, 26, 448-453.	7.1	16
2001	Carbon onion-sulfur hybrid cathodes for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 84-94.	2.5	34
2002	Nanostructured cathode materials for lithium-sulfur batteries: progress, challenges and perspectives. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3014-3038.	5.2	165
2003	A stable lithiated silicon-chalcogen battery via synergetic chemical coupling between silicon and selenium. <i>Nature Communications</i> , 2017, 8, 13888.	5.8	46
2004	Ordered mesoporous carbon and its applications for electrochemical energy storage and conversion. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1001-1027.	3.2	172
2005	Gel based sulfur cathodes with a high sulfur content and large mass loading for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1650-1657.	5.2	56
2006	The Potential for the Creation of a High Areal Capacity Lithium-Sulfur Battery Using a Metal Foam Current Collector. <i>Journal of the Electrochemical Society</i> , 2017, 164, A5026-A5030.	1.3	34
2007	Recent Progress on Spray Pyrolysis for High Performance Electrode Materials in Lithium and Sodium Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601578.	10.2	120
2008	Hierarchical nitrogen-doped porous graphene/reduced fluorographene/sulfur hybrids for high-performance lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2567-2573.	1.3	22
2009	The path towards sustainable energy. <i>Nature Materials</i> , 2017, 16, 16-22.	13.3	3,288
2010	Fabrication of N-doped Graphene-Carbon Nanotube Hybrids from Prussian Blue for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602014.	10.2	304
2011	Hierarchical porous carbon modified with ionic surfactants as efficient sulfur hosts for the high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2017, 313, 404-414.	6.6	93
2012	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2017, 4, 362-368.	1.7	31
2013	Carbon-coated core-shell Li ₂ S@C nanocomposites as high performance cathode materials for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1428-1433.	5.2	36
2014	Liquid cell transmission electron microscopy observation of lithium metal growth and dissolution: Root growth, dead lithium and lithium flotsams. <i>Nano Energy</i> , 2017, 32, 271-279.	8.2	361
2015	Redox activity of argyrodite Li ₆ PS ₅ Cl electrolyte in all-solid-state Li-ion battery: An XPS study. <i>Solid State Ionics</i> , 2017, 300, 78-85.	1.3	216

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2017	Computational Criteria for Evaluating Polysulfide Cohesion, Solvation, and Stabilization: Approach for Screening Effective Anchoring Substrates. <i>Journal of Physical Chemistry C</i> , 2017, 121, 308-314.	1.5	10
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2019	Space-confinement and chemisorption co-involved in encapsulation of sulfur for lithium-sulfur batteries with exceptional cycling stability. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24602-24611.	5.2	24
2020	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS ₂ Host for Advanced Li-S Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16003-16007.	7.2	111
2021	Single-wall carbon nanotube network enabled ultrahigh sulfur-content electrodes for high-performance lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 42, 205-214.	8.2	183
2022	New Insights into Mossy Li Induced Anode Degradation and Its Formation Mechanism in Li-S Batteries. <i>ACS Energy Letters</i> , 2017, 2, 2696-2705.	8.8	90
2023	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS ₂ Host for Advanced Li-S Batteries. <i>Angewandte Chemie</i> , 2017, 129, 16219-16223.	1.6	19
2024	Controllably Designed "Vice-Electrode" Interlayers Harvesting High Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40273-40280.	4.0	44
2025	Theoretical Studies of the Reduction of Cyclic Esters on the Anode Interface of Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A3144-A3153.	1.3	11
2026	A novel MoS ₂ /C nanocomposite as an anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 729, 583-589.	2.8	19
2027	A Compact Nanoconfined Sulfur Cathode for High-Performance Lithium-Sulfur Batteries. <i>Joule</i> , 2017, 1, 576-587.	11.7	255
2028	Redox-Active Polymers for Energy Storage Nanoarchitectonics. <i>Joule</i> , 2017, 1, 739-768.	11.7	400
2029	Harvesting polysulfides by sealing the sulfur electrode in a composite ion-selective net. <i>Journal of Power Sources</i> , 2017, 368, 38-45.	4.0	5
2030	Coralline-Like N-Doped Hierarchically Porous Carbon Derived from Enteromorpha as a Host Matrix for Lithium-Sulfur Battery. <i>Chemistry - A European Journal</i> , 2017, 23, 18208-18215.	1.7	35
2031	Shape-controlled synthesis of Ti ₄ O ₇ nanostructures under solvothermal-assisted heat treatment and its application in lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 729, 1136-1144.	2.8	55
2032	Application of diatomite as an effective polysulfides adsorbent for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2017, 26, 1267-1275.	7.1	26
2033	Cell Concepts of Metal-Sulfur Batteries (Metal = Li, Na, K, Mg): Strategies for Using Sulfur in Energy Storage Applications. <i>Topics in Current Chemistry</i> , 2017, 375, 81.	3.0	51

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2035	Chemically tailoring porosity carbon foam with oxygen-containing functional groups to restrain polysulfide for lithium-sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2017, 805, 120-125.	1.9	14
2036	High Sulfur Content Material with Stable Cycling in Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2017, 129, 15314-15318.	1.6	19
2037	High Sulfur Content Material with Stable Cycling in Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15118-15122.	7.2	61
2038	Recent advances in solid polymer electrolytes for lithium batteries. <i>Nano Research</i> , 2017, 10, 4139-4174.	5.8	380
2039	Encapsulation of cathode in lithium-sulfur batteries with a novel two-dimensional carbon allotrope: DHP-graphene. <i>Scientific Reports</i> , 2017, 7, 14948.	1.6	32
2040	Controlling Solid-Liquid Conversion Reactions for a Highly Reversible Aqueous Zinc-Iodine Battery. <i>ACS Energy Letters</i> , 2017, 2, 2674-2680.	8.8	207
2041	Fluorinated, Sulfur-Rich, Covalent Triazine Frameworks for Enhanced Confinement of Polysulfides in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37731-37738.	4.0	164
2042	One-step synthesis of carbon nanosheet-decorated carbon nanofibers as a 3D interconnected porous carbon scaffold for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23737-23743.	5.2	36
2043	Facile and tailored synthesis of ultrahigh-surface-area clews of carbon nanobelts for high-rate lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23209-23220.	5.2	24
2044	Nitrogen-doped graphene aerogel as both a sulfur host and an effective interlayer for high-performance lithium-sulfur batteries. <i>Nanotechnology</i> , 2017, 28, 495701.	1.3	21
2045	An Extremely High Surface Area Mesoporous-Microporous-Networked Pillared Carbon for High Stability Li-S and Intermediate Temperature Na-S Batteries. <i>ChemistrySelect</i> , 2017, 2, 9249-9255.	0.7	11
2046	<i>In situ</i> preparation of a macro-chamber for S conversion reactions in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23497-23505.	5.2	34
2047	Favorable Carbon Conductive Additives in Li ₃ PS ₄ Composite Positive Electrode Prepared by Ball-Milling for All-Solid-State Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2804-A2811.	1.3	21
2048	Complex Nanostructures from Materials based on Metal-Organic Frameworks for Electrochemical Energy Storage and Conversion. <i>Advanced Materials</i> , 2017, 29, 1703614.	11.1	629
2049	Non-encapsulation approach for high-performance Li-S batteries through controlled nucleation and growth. <i>Nature Energy</i> , 2017, 2, 813-820.	19.8	326
2050	Sandwich-like graphene-mesoporous carbon as sulfur host for enhanced lithium-sulfur batteries. <i>Materials Research Express</i> , 2017, 4, 105017.	0.8	1
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2053	Dual functional MoS ₂ /graphene interlayer as an efficient polysulfide barrier for advanced lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2017, 256, 28-36.	2.6	106
2054	In situ synthesized Li ₂ S@porous carbon cathode for graphite/Li ₂ S full cells using ether-based electrolyte. <i>Electrochimica Acta</i> , 2017, 256, 348-356.	2.6	32
2055	H ₂ S + SO ₂ produces water-dispersed sulfur nanoparticles for lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 41, 665-673.	8.2	12
2056	Designing solid-electrolyte interphases for lithium sulfur electrodes using ionic shields. <i>Nano Energy</i> , 2017, 41, 573-582.	8.2	34
2057	Operando Multi-modal Synchrotron Investigation for Structural and Chemical Evolution of Cupric Sulfide (CuS) Additive in Li-S battery. <i>Scientific Reports</i> , 2017, 7, 12976.	1.6	18
2058	Green synthesis of a Se/HPCF@rGO composite for Li-Se batteries with excellent long-term cycling performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22997-23005.	5.2	61
2059	Metal-Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications. <i>Small Methods</i> , 2017, 1, 1700187.	4.6	163
2060	High coulombic efficiency and high-rate capability lithium sulfur batteries with low-solubility lithium polysulfides by using alkylene radicals to covalently connect sulfur. <i>Nano Energy</i> , 2017, 41, 758-764.	8.2	37
2061	Nitrogen-Doped Graphene Nanosheets/S Composites as Cathode in Room-Temperature Sodium-Sulfur Batteries. <i>ChemistrySelect</i> , 2017, 2, 9425-9432.	0.7	30
2062	Coaxial Carbon/MnO ₂ Hollow Nanofibers as Sulfur Hosts for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3128-3134.	1.7	46
2063	Nitrogen-doped hierarchical porous carbon derived from metal-organic aerogel for high performance lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2017, 26, 1282-1290.	7.1	56
2064	Freeze-Dried Sulfur-Graphene Oxide-Carbon Nanotube Nanocomposite for High Sulfur-Loading Lithium/Sulfur Cells. <i>Nano Letters</i> , 2017, 17, 7086-7094.	4.5	95
2065	Effective Trapping of Lithium Polysulfides Using a Functionalized Carbon Nanotube-Coated Separator for Lithium-Sulfur Cells with Enhanced Cycling Stability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38445-38454.	4.0	82
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2068	One-Pot Synthesis of Functionalized Holey Graphene/Sulfur Composite for Lithium-Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700783.	1.9	27
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2071	Free-standing compact cathodes for high volumetric and gravimetric capacity Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19924-19933.	5.2	21
2072	Application of a Sulfur Cathode in Nucleophilic Electrolytes for Magnesium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2504-A2512.	1.3	55
2073	A High-Volumetric-Capacity Cathode Based on Interconnected Close-Packed N-Doped Porous Carbon Nanospheres for Long-Life Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1701082.	10.2	88
2074	Interwoven NiCo ₂ O ₄ Nanosheet/Carbon Nanotube Composites as Highly Efficient Lithium-Sulfur Cathode Hosts. <i>ChemElectroChem</i> , 2017, 4, 2959-2965.	1.7	18
2075	Multi-Modal Characterization of New Battery Technologies by Operando ec-STEM. <i>Microscopy and Microanalysis</i> , 2017, 23, 886-887.	0.2	1
2076	Ammonia-Treated Ordered Mesoporous Carbons with Hierarchical Porosity and Nitrogen-Doping for Lithium-Sulfur Batteries. <i>ChemistrySelect</i> , 2017, 2, 7160-7168.	0.7	8
2077	Nitrogen and oxygen dual-doped hollow carbon nanospheres derived from catechol/polyamine as sulfur hosts for advanced lithium sulfur batteries. <i>Carbon</i> , 2017, 124, 23-33.	5.4	79
2078	Reversible S ⁰ /MgS _x Redox Chemistry in a MgTFSI ₂ /MgCl ₂ /DME Electrolyte for Rechargeable Mg/S Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13526-13530.	7.2	149
2079	Reversible S ⁰ /MgS _x Redox Chemistry in a MgTFSI ₂ /MgCl ₂ /DME Electrolyte for Rechargeable Mg/S Batteries. <i>Angewandte Chemie</i> , 2017, 129, 13711-13715.	1.6	58
2080	Bacterial cellulose derived carbon nanofiber aerogel with lithium polysulfide catholyte for lithium-sulfur batteries. <i>Carbon</i> , 2017, 124, 212-218.	5.4	76
2081	Reverse Microemulsion Synthesis of Sulfur/Graphene Composite for Lithium/Sulfur Batteries. <i>ACS Nano</i> , 2017, 11, 9048-9056.	7.3	73
2082	Compact high volumetric and areal capacity lithium sulfur batteries through rock salt induced nano-architected sulfur hosts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21435-21441.	5.2	45
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2084	Bis(aryl) Tetrasulfides as Cathode Materials for Rechargeable Lithium Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 16941-16947.	1.7	56
2085	Advances in lithium-sulfur batteries. <i>Materials Science and Engineering Reports</i> , 2017, 121, 1-29.	14.8	100
2086	Sulfur in Hyper-cross-linked Porous Polymer as Cathode in Lithium-Sulfur Batteries with Enhanced Electrochemical Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34783-34792.	4.0	38
2087	Porous Coconut Shell Carbon Offering High Retention and Deep Lithiation of Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33855-33862.	4.0	107

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2089	Metal-Organic Framework-Based Separators for Enhancing Li-S Battery Stability: Mechanism of Mitigating Polysulfide Diffusion. ACS Energy Letters, 2017, 2, 2362-2367.	8.8	229
2090	A three dimensional sulfur/reduced graphene oxide with embedded carbon nanotubes composite as a binder-free, free-standing cathode for lithium-sulfur batteries. RSC Advances, 2017, 7, 43483-43490.	1.7	5
2091	The construction of high sulfur content spherical sulfur-carbon nanotube-polyethylene glycol-nickel nitrate hydroxide composites for lithium sulfur battery. Journal of Alloys and Compounds, 2017, 729, 331-337.	2.8	6
2092	Metal/nanocarbon layer current collectors enhanced energy efficiency in lithium-sulfur batteries. Science Bulletin, 2017, 62, 1267-1274.	4.3	49
2093	On-site chemical pre-lithiation of S cathode at room temperature on a 3D nano-structured current collector. Journal of Power Sources, 2017, 366, 65-71.	4.0	50
2094	Rutile TiO ₂ Mesocrystals as Sulfur Host for High-Performance Lithium-Sulfur Batteries. Chemistry - A European Journal, 2017, 23, 16312-16318.	1.7	36
2095	Capillarity Compositing Recycled Paper/Graphene Scaffold for Lithium-Sulfur Batteries with Enhanced Capacity and Extended Lifespan. Small, 2017, 13, 1701927.	5.2	78
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2098	Rational design of self-supporting graphene - Polypyrrole/sulfur - Graphene sandwich as structural paper electrode for lithium sulfur batteries. Journal of Alloys and Compounds, 2017, 728, 376-382.	2.8	27
2099	Atomic Layer Deposition of p-Type Semiconducting Thin Films: a Review. Advanced Materials Interfaces, 2017, 4, 1700300.	1.9	45
2100	Rational design of yolk-shell silicon dioxide@hollow carbon spheres as advanced Li-S cathode hosts. Nanoscale, 2017, 9, 14881-14887.	2.8	38
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2102	A rechargeable iodine-carbon battery that exploits ion intercalation and iodine redox chemistry. Nature Communications, 2017, 8, 527.	5.8	176
2103	High sulfur-containing carbon polysulfide polymer as a novel cathode material for lithium-sulfur battery. Scientific Reports, 2017, 7, 11386.	1.6	43
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2105	The Use of Lithium (Poly)sulfide Species in Li-S Batteries. , 2017, , 105-148.		0

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2106	Nanodiamonds suppress the growth of lithium dendrites. <i>Nature Communications</i> , 2017, 8, 336.	5.8	327
2107	Dendrite-Free Lithium Metal Anodes in High Performance Lithium-Sulfur Batteries with Bifunctional Carbon Nanofiber Interlayers. <i>Electrochimica Acta</i> , 2017, 252, 127-137.	2.6	46
2108	Sulfur-impregnated N-doped hollow carbon nanofibers as cathode for lithium-sulfur batteries. <i>Materials Letters</i> , 2017, 209, 505-508.	1.3	27
2109	Perovskite La _{0.6} Sr _{0.4} CoO _{3-δ} as a new polysulfide immobilizer for high-energy lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 40, 360-368.	8.2	69
2110	Phosphorene for energy and catalytic application—filling the gap between graphene and 2D metal chalcogenides. <i>2D Materials</i> , 2017, 4, 042006.	2.0	46
2111	Physical and chemical dual-confinement of polysulfides within hierarchically meso-microporous nitrogen-doped carbon nanocages for advanced Li-S batteries. <i>RSC Advances</i> , 2017, 7, 42627-42633.	1.7	11
2112	Effective electrostatic confinement of polysulfides in lithium/sulfur batteries by a functional binder. <i>Nano Energy</i> , 2017, 40, 559-565.	8.2	83
2113	Reactivation of dead sulfide species in lithium polysulfide flow battery for grid scale energy storage. <i>Nature Communications</i> , 2017, 8, 462.	5.8	48
2114	Ad hoc solid electrolyte on acidized carbon nanotube paper improves cycle life of lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2017, 10, 2544-2551.	15.6	82
2115	Self-supporting sulfur cathodes enabled by two-dimensional carbon yolk-shell nanosheets for high-energy-density lithium-sulfur batteries. <i>Nature Communications</i> , 2017, 8, 482.	5.8	300
2116	In situ wrapping of the cathode material in lithium-sulfur batteries. <i>Nature Communications</i> , 2017, 8, 479.	5.8	134
2117	Fructose-Derived Hollow Carbon Nanospheres with Ultrathin and Ordered Mesoporous Shells as Cathodes in Lithium-Sulfur Batteries for Fast Energy Storage. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700081.	2.7	27
2118	Hierarchically porous carbon derived from banana peel for lithium sulfur battery with high areal and gravimetric sulfur loading. <i>Journal of Power Sources</i> , 2017, 362, 160-167.	4.0	75
2119	Ni ₂ /FeS Holey Film as Freestanding Electrode for High-Performance Lithium Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1701309.	10.2	99
2120	Chemistry of Sputter-Deposited Lithium Sulfide Films. <i>Journal of the American Chemical Society</i> , 2017, 139, 10669-10676.	6.6	26
2121	Porous hollow carbon nanospheres embedded with well-dispersed cobalt monoxide nanocrystals as effective polysulfide reservoirs for high-rate and long-cycle lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17352-17359.	5.2	31
2122	3-D vertically aligned few layer graphene — partially reduced graphene oxide/sulfur electrodes for high performance lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1516-1523.	2.5	12
2123	Protected Lithium-Metal Anodes in Batteries: From Liquid to Solid. <i>Advanced Materials</i> , 2017, 29, 1701169.	11.1	596

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2125	A stable lithium-selenium interface via solid/liquid hybrid electrolytes: Blocking polyselenides and suppressing lithium dendrite. <i>Nano Energy</i> , 2017, 39, 554-561.	8.2	52
2126	Ternary NiO/RGO-Sn Hybrid Flexible Freestanding Film as Interlayer for Lithium-Sulfur Batteries with Improved Performance. <i>Electrochimica Acta</i> , 2017, 251, 43-50.	2.6	46
2127	MoS ₂ Nanosheets Grown on CMK-3 with Enhanced Sodium Storage Properties. <i>ChemistrySelect</i> , 2017, 2, 5283-5287.	0.7	8
2128	A thin multifunctional coating on a separator improves the cyclability and safety of lithium sulfur batteries. <i>Chemical Science</i> , 2017, 8, 6619-6625.	3.7	94
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2130	Active Platinum Nanoparticles as a Bifunctional Promoter for Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2017, 4, 2577-2582.	1.7	23
2131	A modularly-assembled interlayer to entrap polysulfides and protect lithium metal anode for high areal capacity lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2017, 9, 126-133.	9.5	50
2132	Shaddock wadding created activated carbon as high sulfur content encapsulator for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 724, 575-580.	2.8	15
2133	Three-dimensional hierarchical C-Co-N/Se derived from metal-organic framework as superior cathode for Li-Se batteries. <i>Journal of Power Sources</i> , 2017, 363, 103-109.	4.0	82
2134	A sulfur-FePO ₄ -C nanocomposite cathode for stable and anti-self-discharge lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17926-17932.	5.2	17
2135	A Flexible Glass Fiber Based Freestanding Composite Electrode for High-Performance Lithium Polysulfide Batteries. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700083.	2.7	15
2136	Encapsulation of Se/C into ultra-thin Ni(OH) ₂ nanosheets as cathode materials for lithium-selenium batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3611-3618.	1.2	14
2137	Impact of Micro-/Mesoporous Carbonaceous Structure on Electrochemical Performance of Sulfur. <i>Electrochimica Acta</i> , 2017, 248, 416-424.	2.6	9
2138	Structural Dependence of the Sulfur Reduction Mechanism in Carbon-Based Cathodes for Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18369-18377.	1.5	17
2139	Unusual Mesoporous Carbonaceous Matrix Loading with Sulfur as the Cathode of Lithium Sulfur Battery with Exceptionally Stable High Rate Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28366-28376.	4.0	19
2140	A CMK-5-encapsulated MoSe ₂ composite for rechargeable lithium-ion batteries with improved electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19632-19638.	5.2	85
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2143	Strong adsorption of lithium polysulfides on ethylenediamine-functionalized carbon fiber paper interlayer providing excellent capacity retention of lithium-sulfur batteries. <i>Carbon</i> , 2017, 123, 492-501.	5.4	42
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2145	Silicon enclosed in rGO/CNT shell-like scaffold as a micro lithium-ion battery anode. , 2017, , .		1
2146	Large-scale Syntheses of Zinc Sulfide...(Diethylenetriamine) _{0.5} Hybrids as Precursors for Sulfur Nanocomposite Cathodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11836-11840.	7.2	24
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2148	Introduction to Rechargeable Lithium-Sulfur Batteries. , 2017, , 1-30.		2
2149	Flexible carbon@graphene composite cloth for advanced lithium-sulfur batteries and supercapacitors with enhanced energy storage capability. <i>Journal of Materials Science</i> , 2017, 52, 13478-13489.	1.7	20
2150	Theoretical Studies on the Charging and Discharging of Poly(acrylonitrile)-Based Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2017, 4, 2975-2980.	1.7	11
2151	Robust electrical "highway" network for high mass loading sulfur cathode. <i>Nano Energy</i> , 2017, 40, 390-398.	8.2	68
2152	Dual Core-Shell-Structured S@C@MnO ₂ Nanocomposite for Highly Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34793-34803.	4.0	142
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2154	Using First-Principles Calculations for the Advancement of Materials for Rechargeable Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702887.	7.8	40
2155	In situ monitoring the viscosity change of an electrolyte in a Li-S battery. <i>Chemical Communications</i> , 2017, 53, 10152-10155.	2.2	21
2156	A review of flexible lithium-sulfur and analogous alkali metal-chalcogen rechargeable batteries. <i>Chemical Society Reviews</i> , 2017, 46, 5237-5288.	18.7	572
2157	3D hierarchical nitrogen-doped carbon nanoflower derived from chitosan for efficient electrocatalytic oxygen reduction and high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18193-18206.	5.2	86
2158	Decomposition of Ionic Liquids at Lithium Interfaces. 1. <i>Ab Initio</i> Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28214-28234.	1.5	68
2159	Design of Complex Nanomaterials for Energy Storage: Past Success and Future Opportunity. <i>Accounts of Chemical Research</i> , 2017, 50, 2895-2905.	7.6	258

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2163	Amorphous MoS ₃ as the sulfur-equivalent cathode material for room-temperature Li-S and Na-S batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13091-13096.	3.3	170
2164	Atom-Thick Interlayer Made of CVD-Grown Graphene Film on Separator for Advanced Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 43696-43703.	4.0	79
2165	Electrochemical Properties and Redox Mechanism of Na ₂ Ni _{0.4} Co _{0.6} [Fe(CN) ₆] Nanocrystallites as High-Capacity Cathode for Aqueous Sodium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 27805-27812.	1.5	63
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2167	Fluorinated Ether Based Electrolyte for High-Energy Lithium-Sulfur Batteries: Li ⁺ Solvation Role Behind Reduced Polysulfide Solubility. Chemistry of Materials, 2017, 29, 10037-10044.	3.2	75
2168	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. ChemSusChem, 2017, 10, 4805-4811.	3.6	56
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2173	<i>in situ</i> / <i>operando</i> characterization techniques for rechargeable lithium-sulfur batteries: a review. Nanoscale, 2017, 9, 19001-19016.	2.8	94
2174	Highly Ordered Mesoporous Sulfurized Polyacrylonitrile Cathode Material for High-Rate Lithium Sulfur Batteries. Journal of Physical Chemistry C, 2017, 121, 26172-26179.	1.5	52
2175	A sulfur host based on cobalt-graphitic carbon nanocages for high performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 24901-24908.	5.2	75
2176	Synchrotron radiation <i>in situ</i> X-ray absorption fine structure and <i>in situ</i> X-ray diffraction analysis of a high-performance cobalt catalyst towards the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2017, 19, 30749-30755.	1.3	7
2177	Binder-free carbon monolith cathode material for operando investigation of high performance lithium-sulfur batteries with X-ray radiography. Energy Storage Materials, 2017, 9, 96-104.	9.5	23

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2180	Graphitized Carbon Fibers as Multifunctional 3D Current Collectors for High Areal Capacity Li Anodes. <i>Advanced Materials</i> , 2017, 29, 1700389.	11.1	495
2181	Construction of S@TiO ₂ @GO Composites for High&Performance Lithium&Sulfur Batteries. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3248-3252.	1.0	12
2182	Air-stable and freestanding lithium alloy/graphene foil as an alternative to lithium metal anodes. <i>Nature Nanotechnology</i> , 2017, 12, 993-999.	15.6	376
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2186	Unveiling the synergistic effect of polysulfide additive and MnO ₂ hollow spheres in evolving a stable cyclic performance in Li&S batteries. <i>Chemical Communications</i> , 2017, 53, 8782-8785.	2.2	26
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2191	Insight on lithium polysulfide intermediates in a Li/S battery by density functional theory. <i>RSC Advances</i> , 2017, 7, 33373-33377.	1.7	27
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2193	Review of nanostructured current collectors in lithium&sulfur batteries. <i>Nano Research</i> , 2017, 10, 4027-4054.	5.8	91
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2197	Investigation of the Effect of Using Al ₂ O ₃ Nafion Barrier on Room-Temperature Na-S Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15120-15126.	1.5	60
2198	Solid state microwave synthesis of highly crystalline ordered mesoporous hausmannite Mn ₃ O ₄ films. <i>CrystEngComm</i> , 2017, 19, 4294-4303.	1.3	14
2199	<i>In Situ</i> Observation and Electrochemical Study of Encapsulated Sulfur Nanoparticles by MoS ₂ Flakes. <i>Journal of the American Chemical Society</i> , 2017, 139, 10133-10141.	6.6	126
2200	Vesicle-like sulfur/reduced graphene oxide composites for high performance lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1007-1013.	2.8	20
2201	Confining Sulfur in N-Doped Porous Carbon Microspheres Derived from Microalgae for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23782-23791.	4.0	148
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2207	A new approach for recycling waste rubber products in Li-S batteries. <i>Energy and Environmental Science</i> , 2017, 10, 86-90.	15.6	85
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2210	Biomass-derived renewable carbon materials for electrochemical energy storage. <i>Materials Research Letters</i> , 2017, 5, 69-88.	4.1	402
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2217	Fabrication of novel powdery carbon aerogels with high surface areas for superior energy storage. <i>Energy Storage Materials</i> , 2017, 7, 8-16.	9.5	55
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2219	Gluing Carbon Black and Sulfur at Nanoscale: A Polydopamine-Based "Nano-Binder" for Double-Shelled Sulfur Cathodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601591.	10.2	64
2220	Tunable synthesis of hierarchical mesoporous silica via porogen-carrying organosilicates. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 409-415.	2.2	1
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2236	Selenium-impregnated hollow carbon microspheres as efficient cathode materials for lithium-selenium batteries. <i>Carbon</i> , 2017, 111, 198-206.	5.4	58
2237	Lithium Metal Anodes and Rechargeable Lithium Metal Batteries. <i>Springer Series in Materials Science</i> , 2017, , .	0.4	70
2239	Cobalt oxyhydroxide/graphene oxide nanocomposite for amelioration of electrochemical performance of lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 649-656.	1.2	19
2240	Application of Lithium Metal Anodes. <i>Springer Series in Materials Science</i> , 2017, , 153-188.	0.4	1
2241	Towards High-Safe Lithium Metal Anodes: Suppressing Lithium Dendrites via Tuning Surface Energy. <i>Advanced Science</i> , 2017, 4, 1600168.	5.6	399
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2243	Natural halloysite nano-clay electrolyte for advanced all-solid-state lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 31, 478-485.	8.2	306
2244	Fe-Based Metal-Organic Framework and Its Derivatives for Reversible Lithium Storage. <i>Journal of Materials Science and Technology</i> , 2017, 33, 768-774.	5.6	37
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2247	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. <i>Journal of Polymer Science Part A</i> , 2017, 55, 107-116.	2.5	139
2248	Molecular understanding of polyelectrolyte binders that actively regulate ion transport in sulfur cathodes. <i>Nature Communications</i> , 2017, 8, 2277.	5.8	117
2249	Performance Enhancement of Rechargeable Sulfur Cathode Utilizing Microporous Activated Carbon Composite. <i>Electrochemistry</i> , 2017, 85, 671-674.	0.6	7
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2251	Surface Free Energy-Induced Assembly to the Synthesis of Grid-Like Multicavity Carbon Spheres with High Level In-Cavity Encapsulation for Lithium-Sulfur Cathode. <i>Advanced Energy Materials</i> , 2017, 7, 1701518.	10.2	63

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2260	Multifunctional vanadium nitride@N-doped carbon composites for kinetically enhanced lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2018, 42, 5109-5116.	1.4	34
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2262	Understanding the roles of activated porous carbon nanotubes as sulfur support and separator coating for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018, 268, 1-9.	2.6	61
2263	Promoting sulfur adsorption using surface Cu sites in metal-organic frameworks for lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4811-4821.	5.2	85
2264	S-doped mesoporous graphene microspheres: A high performance reservoir material for Li S batteries. <i>Electrochimica Acta</i> , 2018, 269, 83-92.	2.6	46
2265	Functionalized Carbon as Polysulfide Traps for Advanced Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5948-5955.	1.5	18
2266	Tungsten Carbide as a Highly Efficient Catalyst for Polysulfide Fragmentations in Li-S Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7664-7669.	1.5	39
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2275	A separator-based lithium polysulfide recirculator for high-loading and high-performance Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5862-5869.	5.2	68
2276	Addressing Passivation in Lithium-Sulfur Battery Under Lean Electrolyte Condition. <i>Advanced Functional Materials</i> , 2018, 28, 1707234.	7.8	143
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2285	Hollow Nitrogen Rich Carbon Nanowire Array Electrode for Application in Lithium-Ion Battery. <i>Materials Science Forum</i> , 0, 914, 47-55.	0.3	2
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2287	Improving the cycling stability of lithium-sulfur batteries by hollow dual-shell coating. <i>RSC Advances</i> , 2018, 8, 9161-9167.	1.7	3
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2290	Nitrogen doped yolk-shell carbon spheres as cathode host for lithium-sulfur battery. <i>Journal of Alloys and Compounds</i> , 2018, 747, 283-292.	2.8	23
2291	Wool fiber-derived nitrogen-doped porous carbon prepared from molten salt carbonization method for supercapacitor application. <i>Journal of Materials Science</i> , 2018, 53, 8372-8384.	1.7	61
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2309	A review on anode for lithium-sulfur batteries: Progress and prospects. <i>Chemical Engineering Journal</i> , 2018, 347, 343-365.	6.6	227
2310	Toward High Performance Lithium-Sulfur Batteries Based on Li_2S Cathodes and Beyond: Status, Challenges, and Perspectives. <i>Advanced Functional Materials</i> , 2018, 28, 1800154.	7.8	107
2311	In Situ Encapsulating MnS into N-Codoped Nanotube-Like Carbon as Advanced Anode Material: Mn^{2+} Phase Transition Promoted Cycling Stability and Superior Li/Na Storage Performance in Half/Full Cells. <i>Advanced Materials</i> , 2018, 30, e1706317.	11.1	164
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2313	Novel Sulfur Host Composed of Cobalt and Porous Graphitic Carbon Derived from MOFs for the High-Performance Li-S Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13499-13508.	4.0	54
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2334	CO ₂ oxidation of carbon nanotubes for lithium-sulfur batteries with improved electrochemical performance. <i>Carbon</i> , 2018, 132, 370-379.	5.4	48
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2336	Quantitative investigation of polysulfide adsorption capability of candidate materials for Li-S batteries. <i>Energy Storage Materials</i> , 2018, 13, 241-246.	9.5	134
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2363	Formation of Multilayer Graphene Domains with Strong Sulfur-Carbon Interaction and Enhanced Sulfur Reduction Zones for Lithium-Sulfur Battery Cathodes. <i>ChemSusChem</i> , 2018, 11, 1970-1980.	3.6	41
2364	Template-Derived Submicrometric Carbon Spheres for Lithium-Sulfur and Sodium-Ion Battery Electrodes. <i>Energy Technology</i> , 2018, 6, 1797-1804.	1.8	13
2365	Shuttle Suppression by Polymer-Sealed Graphene-Coated Polypropylene Separator. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5534-5542.	4.0	27
2366	2D framework C ₂ N as a potential cathode for lithium-sulfur batteries: an <i>ab initio</i> density functional study. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2984-2994.	5.2	37
2367	Direct Observation of Electrochemical Lithium-Sulfur Reaction inside Carbon Nanotubes. <i>ACS Applied Energy Materials</i> , 2018, 1, 807-813.	2.5	16
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2381	Three dimensional porous SiC for lithium polysulfide trapping. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4005-4011.	1.3	10
2382	High performance lithium-sulfur batteries with facile titanium nitride particles modified separator. <i>Materials Letters</i> , 2018, 215, 91-94.	1.3	12
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2384	Interaction between functionalized graphene and sulfur compounds in a lithium-sulfur battery – a density functional theory investigation. <i>RSC Advances</i> , 2018, 8, 2271-2279.	1.7	50
2385	Design of structural and functional nanomaterials for lithium-sulfur batteries. <i>Nano Today</i> , 2018, 18, 35-64.	6.2	110
2386	Increasing Energy Densities of Sulfur Cathodes using Dispersing and Calendering Processes for Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2018, 6, 1139-1147.	1.8	13
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2389	Electro-plating and stripping behavior on lithium metal electrode with ordered three-dimensional structure. <i>Nano Energy</i> , 2018, 45, 463-470.	8.2	81
2391	Updated Metal Compounds (MOFs, Ti_2S , Ti_2OH , Ti_2N , Ti_2C) Used as Cathode Materials for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702607.	10.2	202
2392	Pomegranate-Structured Silica/Sulfur Composite Cathodes for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - an Asian Journal</i> , 2018, 13, 568-576.	1.7	5
2393	Rational Design Oxygen and Sulfur Dual-Doped 3D Hierarchical Porous Carbons for High-Performance Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A31-A39.	1.3	7
2394	Flexible and Hierarchically Structured Sulfur Composite Cathode Based on the Carbonized Textile for High-Performance Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3938-3947.	4.0	33
2395	Room-Temperature, Ambient-Pressure Chemical Synthesis of Amine-Functionalized Hierarchical Carbon-Sulfur Composites for Lithium-Sulfur Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4767-4775.	4.0	15
2396	Severe Loss of Confined Sulfur in Nanoporous Carbon for Li-S Batteries under Wetting Conditions. <i>ACS Energy Letters</i> , 2018, 3, 387-392.	8.8	32
2397	Ionothermal synthesis of graphene-based microporous carbon for lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2018, 42, 2483-2490.	1.4	8

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2400	Correlating Morphological Evolution of Li Electrodes with Degrading Electrochemical Performance of Li/LiCoO ₂ and Li/S Battery Systems: Investigated by Synchrotron X-ray Phase Contrast Tomography. <i>ACS Energy Letters</i> , 2018, 3, 356-365.	8.8	64
2401	Stable cycling of lithium-sulfur battery enabled by a reliable gel polymer electrolyte rich in ester groups. <i>Journal of Membrane Science</i> , 2018, 550, 399-406.	4.1	65
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2404	Hierarchically structured carbon nanomaterials for electrochemical energy storage applications. <i>Journal of Materials Research</i> , 2018, 33, 1058-1073.	1.2	33
2405	Lightweight Reduced Graphene Oxide@MoS ₂ Interlayer as Polysulfide Barrier for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3707-3713.	4.0	239
2406	Low Cost Metal Carbide Nanocrystals as Binding and Electrocatalytic Sites for High Performance Li-S Batteries. <i>Nano Letters</i> , 2018, 18, 1035-1043.	4.5	285
2407	A LiAlO ₂ /nitrogen-doped hollow carbon spheres (NdHCSs) modified separator for advanced lithium-sulfur batteries. <i>RSC Advances</i> , 2018, 8, 1632-1637.	1.7	9
2408	A multi-electron redox mediator for redox-targeting lithium-sulfur flow batteries. <i>Journal of Power Sources</i> , 2018, 378, 418-422.	4.0	11
2409	Sulfur-hydrazine hydrate-based chemical synthesis of sulfur-graphene composite for lithium-sulfur batteries. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 785-792.	3.0	14
2410	Mangosteen peel-derived porous carbon: synthesis and its application in the sulfur cathode for lithium sulfur battery. <i>Journal of Materials Science</i> , 2018, 53, 11062-11077.	1.7	51
2411	Insight into the effect of lithium-dendrite suppression by lithium bis(fluorosulfonyl)imide/1,2-dimethoxyethane electrolytes. <i>Electrochimica Acta</i> , 2018, 277, 116-126.	2.6	9
2412	Porous Organic Polymers for Polysulfide Trapping in Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707597.	7.8	154
2413	Sulfur-Containing Molecules Grafted on Carbon Nanotubes as Highly Cyclable Cathodes for Lithium/Organic Batteries. <i>ChemElectroChem</i> , 2018, 5, 1732-1737.	1.7	5
2414	Two-Dimensional Material-Reinforced Separator for Li-Sulfur Battery. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10765-10772.	1.5	23
2415	Direct impregnation of SeS ₂ into a MOF-derived 3D nanoporous Co-N-C architecture towards superior rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10466-10473.	5.2	120

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2419	Porous hybrid aerogels with ultrahigh sulfur loading for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9032-9040.	5.2	33
2420	In situ synthesis of 3D sulfur-doped graphene/sulfur as a cathode material for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018, 754, 64-71.	2.8	34
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2422	Enhanced kinetics of polysulfide redox reactions on Mo ₂ C/CNT in lithium-sulfur batteries. <i>Nanotechnology</i> , 2018, 29, 295401.	1.3	32
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2424	A robust network binder with dual functions of Cu ²⁺ ions as ionic crosslinking and chemical binding agents for highly stable Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7382-7388.	5.2	81
2425	Multi-electron reaction materials for sodium-based batteries. <i>Materials Today</i> , 2018, 21, 960-973.	8.3	103
2426	Free-Standing Mn ₃ O ₄ @CNF/S Paper Cathodes with High Sulfur Loading for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13406-13412.	4.0	68
2427	Progress and Perspective of Solid-State Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707570.	7.8	194
2428	Coordination effect of network NiO nanosheet and a carbon layer on the cathode side in constructing a high-performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6503-6509.	5.2	58
2429	Electrochemical Impedance Imaging via the Distribution of Diffusion Times. <i>Physical Review Letters</i> , 2018, 120, 116001.	2.9	71
2430	A multifunctional graphene oxide-Zn(II)-triazole complex for improved performance of lithium-sulfur battery at low temperature. <i>Electrochimica Acta</i> , 2018, 271, 58-66.	2.6	22
2431	Double-Confined Sulfur Inside Compressed Nickel Foam and Pencil-Plating Graphite for Lithium-Sulfur Battery. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4880-4886.	1.8	2
2432	CeF ₃ -Doped Porous Carbon Nanofibers as Sulfur Immobilizers in Cathode Material for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12626-12638.	4.0	53
2433	Nickel-Based-Hydroxide-Wrapped Activated Carbon Cloth/Sulfur Composite with Tree-Bark-Like Structure for High-Performance Freestanding Sulfur Cathode. <i>ACS Applied Energy Materials</i> , 2018, 1, 1594-1602.	2.5	23

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2455	Enhanced sulfide chemisorption by conductive Al-doped ZnO decorated carbon nanoflakes for advanced Li-S batteries. <i>Nano Research</i> , 2018, 11, 477-489.	5.8	36
2456	Recent development of metal compound applications in lithium-sulphur batteries. <i>Journal of Materials Research</i> , 2018, 33, 16-31.	1.2	41
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2458	Leaf-like interconnected network structure of MWCNT/Co ₉ S ₈ /S for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018, 731, 964-970.	2.8	38
2459	Carbon onion/sulfur hybrid cathodes via inverse vulcanization for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 133-146.	2.5	36
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2466	Catalytic Effects in Lithium-Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. <i>Advanced Science</i> , 2018, 5, 1700270.	5.6	669
2467	Mesoscale Physicochemical Interactions in Lithium-Sulfur Batteries: Progress and Perspective. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2018, 15, .	1.1	11
2468	Dreidimensionale Architekturen aus Übergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. <i>Angewandte Chemie</i> , 2018, 130, 634-655.	1.6	37
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2471	Systematic Study of Effect on Enhancing Specific Capacity and Electrochemical Behaviors of Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701330.	10.2	154
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2478	Supercritical CO ₂ mediated incorporation of sulfur into carbon matrix as cathode materials towards high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 212-222.	5.2	49
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2483	Thermodynamics and Kinetics of Sulfur Cathode during Discharge in MgTFSI ₂ @DME Electrolyte. <i>Advanced Materials</i> , 2018, 30, 1704313.	11.1	122
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2487	Facile Synthesis of Ultrahigh-Surface-Area Hollow Carbon Nanospheres and their Application in Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2018, 24, 1988-1997.	1.7	27

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2491	Sn Wears Super Skin: A New Design for Long Cycling Batteries. <i>Nano Letters</i> , 2018, 18, 467-474.	4.5	67
2492	Electrochemical properties of modified acetylene black/sulfur composite cathode material for lithium/sulfur batteries. <i>Ionics</i> , 2018, 24, 2219-2225.	1.2	14
2493	Process optimization for producing hierarchical porous bamboo-derived carbon materials with ultrahigh specific surface area for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018, 738, 16-24.	2.8	60
2494	Functional interlayer of PVDF-HFP and carbon nanofiber for long-life lithium-sulfur batteries. <i>Nano Research</i> , 2018, 11, 3340-3352.	5.8	60
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2499	Aerosol-Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. <i>Small Methods</i> , 2018, 2, 1700272.	4.6	48
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2504	New Separators in Lithium/Sulfur Cells with High-Capacity Cathodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, A6021-A6028.	1.3	14
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2508	Improving the Durability and Minimizing the Polysulfide Shuttle in the Li/S Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A6051-A6057.	1.3	23
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2512	Two-dimensional organic cathode materials for alkali-metal-ion batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 86-98.	7.1	56
2513	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. <i>Energy Storage Materials</i> , 2018, 12, 30-36.	9.5	31
2514	Hybrid Sulfurâˆ”Selenium Coâ€”polymers as Cathodic Materials for Lithium Batteries. <i>ChemElectroChem</i> , 2018, 5, 260-265.	1.7	29
2515	Synthesis and electrochemical analysis of electrode prepared from zeolitic imidazolate framework (ZIF)-67/graphene composite for lithium sulfur cells. <i>Electrochimica Acta</i> , 2018, 259, 1021-1029.	2.6	44
2516	A review of core-shell nanostructured electrocatalysts for oxygen reduction reaction. <i>Energy Storage Materials</i> , 2018, 12, 260-276.	9.5	99
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2525	Inorganic separators enable significantly suppressed polysulfide shuttling in high-performance lithium–sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23720-23729.	5.2	52
2526	An <i>in situ</i> chemically and physically confined sulfur–polymer composite for lithium–sulfur batteries with carbonate-based electrolytes. <i>Chemical Communications</i> , 2018, 54, 14093-14096.	2.2	20
2527	A critical review of cathodes for rechargeable Mg batteries. <i>Chemical Society Reviews</i> , 2018, 47, 8804-8841.	18.7	420
2528	Polyvinylchloride-derived N, S co-doped carbon as an efficient sulfur host for high-performance Li–S batteries. <i>RSC Advances</i> , 2018, 8, 37811-37816.	1.7	10
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2644	Carbon/tin oxide composite electrodes for improved lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 811-817.	1.5	13
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2654	Structural Design of Lithium–Sulfur Batteries: From Fundamental Research to Practical Application. <i>Electrochemical Energy Reviews</i> , 2018, 1, 239-293.	13.1	298
2655	Graphene and its derivatives in lithium–sulfur batteries. <i>Materials Today Energy</i> , 2018, 9, 319-335.	2.5	138
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2659	Derivatives of coordination compounds for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13999-14024.	5.2	58
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2685	S-enriched porous polymer derived N-doped porous carbons for electrochemical energy storage and conversion. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 346-357.	2.3	9
2686	Tunable pore structure for confining polysulfides in high performance Li-S battery with coal precursor. <i>Applied Surface Science</i> , 2018, 458, 714-721.	3.1	13
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2957	Enhancing the performance of sulfurized polyacrylonitrile cathode by in-situ wrapping. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 156-160.	1.9	12
2958	An ultrathin surface-nitrided porous titanium sheet as a current collector-free sulfur host for high-gravimetric-capacity lithium–sulfur batteries. <i>Chemical Communications</i> , 2019, 55, 1655-1658.	2.2	2
2959	Hierarchically assembled mesoporous carbon nanosheets with an ultra large pore volume for high-performance lithium–sulfur batteries. <i>New Journal of Chemistry</i> , 2019, 43, 1380-1387.	1.4	16

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2961	Chemisorption and electrocatalytic effect from CoxSny alloy for high performance lithium sulfur batteries. <i>Energy Storage Materials</i> , 2019, 23, 62-71.	9.5	76
2962	Uniform zeolitic imidazolate framework coating via in situ recoordination for efficient polysulfide trapping. <i>Energy Storage Materials</i> , 2019, 23, 55-61.	9.5	33
2963	An air-stable and waterproof lithium metal anode enabled by wax composite packaging. <i>Science Bulletin</i> , 2019, 64, 910-917.	4.3	58
2964	Sulfolane-Based Highly Concentrated Electrolytes of Lithium Bis(trifluoromethanesulfonyl)amide: Ionic Transport, Li-Ion Coordination, and Liâ€“S Battery Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14229-14238.	1.5	138
2965	Polar and Nonpolar Matrix Consisting of Twined Multiwalled Carbon Nanotube and High Nitrogenâ€“Doped Porous Carbon Derived from Ionic Liquid for Stable Liâ€“S Battery. <i>Energy Technology</i> , 2019, 7, 1900470.	1.8	2
2966	Facile preparation and electrochemistry performance of quasi solid-state polymer lithiumâ€“sulfur battery with high-safety and weak shuttle effect. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 255-261.	1.9	18
2967	Surface-modified PVdF-derived hierarchical mesoporous carbon matrix for high sulfur loading cathode in lithiumâ€“sulfur batteries. <i>Journal of Power Sources</i> , 2019, 427, 165-173.	4.0	15
2968	Oxygen Vacancies on Layered Niobic Acid That Weaken the Catalytic Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11491-11496.	7.2	104
2969	Oxygen Vacancies on Layered Niobic Acid That Weaken the Catalytic Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. <i>Angewandte Chemie</i> , 2019, 131, 11615-11620.	1.6	13
2970	Facile, Solventâ€“Free Preparation of High Density, High Mass Loading Sulfur Cathodes Enabled by Dryâ€“Pressable Holey Graphene Scaffolds. <i>Batteries and Supercaps</i> , 2019, 2, 774-783.	2.4	25
2971	Strong charge polarization effect enabled by surface oxidized titanium nitride for lithium-sulfur batteries. <i>Communications Chemistry</i> , 2019, 2, .	2.0	29
2972	Combined High Catalytic Activity and Efficient Polar Tubular Nanostructure in Urchinâ€“Like Metallic NiCo ₂ Se ₄ for Highâ€“Performance Lithiumâ€“Sulfur Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1903842.	7.8	153
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2989	Graphene/carbon aerogel for high areal capacity sulfur cathode of Li-S batteries. <i>Ionics</i> , 2019, 25, 4615-4624.	1.2	10
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2992	Temperature-Dependent Nucleation and Growth of Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2019, 131, 11486-11490.	1.6	72
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3090	Ether-compatible sulfurized polyacrylonitrile cathode with excellent performance enabled by fast kinetics via selenium doping. <i>Nature Communications</i> , 2019, 10, 1021.	5.8	211
3091	Capture and Catalytic Conversion of Polysulfides by In Situ Built TiO ₂ @MXene Heterostructures for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1900219.	10.2	481
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3222	Comparative Study of Water-Based LA133 and CMC/SBR Binders for Sulfur Cathode in Advanced Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 250-257.	1.5	35
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3804	Cotton cloth templated <i>in situ</i> encapsulation of sulfur into carbon fibers for lithium-sulfur batteries. <i>Chemical Communications</i> , 2021, 57, 544-547.	2.2	15
3805	Dissolving Vanadium into Titanium Nitride Lattice Framework for Rational Polysulfide Regulation in Li-S Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2003020.	10.2	52
3806	A water-soluble, adhesive and 3D cross-linked polyelectrolyte binder for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2375-2384.	5.2	30
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3814	Rational design of 3D hierarchical MXene@AlF ₃ /Ni(OH) ₂ nanohybrid for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 409, 128102.	6.6	43
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3819	Yolk-shell porous carbon spheres@CoSe ₂ nanosheets as multilayer defenses system of polysulfide for advanced Li-S batteries. <i>Chemical Engineering Journal</i> , 2021, 413, 127521.	6.6	49
3820	A durable lithium-tellurium battery: Effects of carbon pore structure and tellurium content. <i>Carbon</i> , 2021, 173, 11-21.	5.4	30
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4056	Dual-heterostructures decorated interweaved carbon nanofibers sulfur host for high performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 418, 129388.	6.6	27
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4068	A Highly Conductive COF@CNT Electrocatalyst Boosting Polysulfide Conversion for Li-S Chemistry. <i>ACS Energy Letters</i> , 2021, 6, 3053-3062.	8.8	97
4069	A Nickel-Decorated Carbon Flower/Sulfur Cathode for Lean-Electrolyte Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101449.	10.2	67
4070	Conductive metal-organic frameworks promoting polysulfides transformation in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 63, 336-343.	7.1	17
4071	3D CoS ₂ /rGO aerogel as trapping-catalyst sulfur host to promote polysulfide conversion for stable Li-S batteries. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159780.	2.8	32
4072	Improved lithium storage performance of sulfur loaded by CMK-3 with a tailored hierarchical pore structure. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2503-2511.	1.2	6
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4074	Multifunctional B/N Co-Doped Graphene Interlayer for Fast and Stable Lithium-Sulfur Batteries. <i>ChemistrySelect</i> , 2021, 6, 8375-8378.	0.7	1
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4079	Grafting and Depositing Lithium Polysulfides on Cathodes for Cycling Stability of Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40685-40694.	4.0	8
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4807	Investigation of Poly(3,6-dioxo-1,8-octane-dithiol)-Based Organosulfur Polymer as the Positive Electrode Material in Rechargeable Li-S Battery. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 117113.	1.9	0
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4823	Protecting lithium metal anodes in lithium-sulfur batteries: A review. <i>Energy Material Advances</i> , 2023, 4, .	4.7	51
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4825	Long-lasting, reinforced electrical networking in a high-loading Li ₂ S cathode for high-performance lithium-sulfur batteries. , 2023, 5, .		5
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4827	The Role of Carbon-Based Cathode Components in Li-S Batteries. <i>Journal of the Electrochemical Society</i> , 2023, 170, 010522.	1.3	4
4828	Electrochemical Reactivation of Dead Li ₂ S for Li-S Batteries in Non-Solvating Electrolytes. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
4829	A Comparison Study of the Electrocatalytic Sulfur Reduction Activity on Heteroatom-Doped Graphene for Li-S Battery. <i>Small Structures</i> , 2023, 4, .	6.9	17
4830	Electrochemical Reactivation of Dead Li ₂ S for Li-S Batteries in Non-Solvating Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	15
4831	Layered double hydroxides used as the sulfur hosts for lithium-sulfur batteries and the influence of metal composition on their performance. <i>Journal of Solid State Electrochemistry</i> , 2023, 27, 797-807.	1.2	7
4832	Defect engineering in carbon materials for electrochemical energy storage and catalytic conversion. <i>Materials Advances</i> , 2023, 4, 835-867.	2.6	11
4833	Bidirectional Atomic Iron Catalysis of Sulfur Redox Conversion in High-Energy Flexible Zn/FeS Battery. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	20
4834	Synergic effect of covalent and chemical sulfur fixation enhancing the immobilization-conversion of polysulfides in lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2023, 79, 1-11.	7.1	8
4835	Synthetic porous carbons for clean energy storage and conversion. <i>EnergyChem</i> , 2023, 5, 100099.	10.1	6
4836	Sulfur Composites Derived from Poly(acrylonitrile) and Poly(vinylacetylene) – A Comparative Study on the Role of Pyridinic and Thioamidic Nitrogen. <i>Batteries and Supercaps</i> , 2023, 6, .	2.4	3
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4838	A review on lithium-sulfur batteries: Challenge, development, and perspective. <i>Nano Research</i> , 2023, 16, 8097-8138.	5.8	36
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4842	Synergy of palygorskite supported polyaniline and MoS ₂ for improvement of Li S Battery performance. <i>Applied Clay Science</i> , 2023, 233, 106821.	2.6	4
4843	Porous nanofibers comprising VN nanodots and densified N-doped CNTs as redox-active interlayers for Li-S batteries. <i>Journal of Power Sources</i> , 2023, 559, 232632.	4.0	12
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4849	Graphitic carbon nitride/polymer nanocomposites. , 2023, , 77-110.		1
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4851	Polarization Doping in a GaN-InN System-Ab Initio Simulation. <i>Materials</i> , 2023, 16, 1227.	1.3	0
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4855	Surface-dominated potassium storage enabled by single-atomic sulfur for high-performance K-ion battery anodes. <i>Energy and Environmental Science</i> , 2023, 16, 1540-1547.	15.6	19
4856	Cathode materials for lithium-sulfur battery: a review. <i>Journal of Solid State Electrochemistry</i> , 2023, 27, 813-839.	1.2	14
4857	Covalent Organic Framework Based Lithium-Sulfur Batteries: Materials, Interfaces, and Solid-State Electrolytes. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	71
4858	Biomass fallen leaves derived porous carbon for high performance lithium sulfur batteries. <i>Ionics</i> , 2023, 29, 1029-1038.	1.2	6

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4860	A diatomite-derived N-doped carbon aerogel with 98% sulfur loading for the enhancement of Li-S battery performance. <i>New Journal of Chemistry</i> , 2023, 47, 4614-4618.	1.4	8
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4874	The synergistic adsorption-catalysis research of highly efficient interlayer constructed from coal fly ash for superior lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2023, 465, 142795.	6.6	3
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4878	Mesoporous Carbon-Based Materials for Enhancing the Performance of Lithium-Sulfur Batteries. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7291.	1.8	3
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4883	Stabilizing cathodes and interphases for next-generation Li-ion batteries. <i>Journal of Power Sources</i> , 2023, 561, 232738.	4.0	12
4884	Recent Progress in Solid Electrolytes for All-Solid-State Metal(Li/Na)-Sulfur Batteries. <i>Batteries</i> , 2023, 9, 110.	2.1	4
4885	MOF-related electrocatalysts for sulfur reduction/evolution reactions: Composition modulation, structure design, and mechanism research. <i>EScience</i> , 2023, 3, 100107.	25.0	6
4886	Hollow cubic ZnS-SnS ₂ heterostructures as sulfur hosts to enhance chemisorption and catalytic conversion of polysulfides for lithium sulfur batteries. <i>Journal of Electroanalytical Chemistry</i> , 2023, 932, 117252.	1.9	8
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4888	State and future implementation perspectives of porous carbon-based hybridized matrices for lithium sulfur battery. <i>Coordination Chemistry Reviews</i> , 2023, 481, 215055.	9.5	9
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4891	Construction of Lithium Metal Anode with High Lithium Utilization and its Application in Lithium-Sulfur Batteries. <i>Hans Journal of Nanotechnology</i> , 2023, 13, 7-28.	0.1	0
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4898	Conductive metal"metal phase and built-in electric field of 1T-VSe ₂ -MXene hetero-structure to accelerate dual-directional sulfur conversion for high-performance Li-S batteries. <i>Chemical Engineering Journal</i> , 2023, 461, 142100.	6.6	5
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4900	Towards safe lithium-sulfur batteries from liquid-state electrolyte to solid-state electrolyte. <i>Frontiers of Materials Science</i> , 2023, 17, .	1.1	2
4901	Recycling inactive lithium in lithium"sulfur batteries using organic polysulfide redox. <i>Journal of Materials Chemistry A</i> , 2023, 11, 7441-7446.	5.2	11
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4903	Hollow Co ₃ S ₄ Nanocubes Interconnected with Carbon Nanotubes as Nanoreactors to Accelerate Polysulfide Conversion for High-Performance Lithium"Sulfur Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2023, 62, 4364-4372.	1.8	6
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4908	Exploring inverse vulcanization in lithium"sulfur batteries. <i>Current Opinion in Electrochemistry</i> , 2023, 39, 101271.	2.5	2
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4918	Two-Dimensional Mesoporous Materials for Energy Storage and Conversion: Current Status, Chemical Synthesis and Challenging Perspectives. <i>Electrochemical Energy Reviews</i> , 2023, 6, .	13.1	15
4919	Facile and Effective Strategy to Encapsulate Sulfur Particles for High-Performance Lithium-Sulfur Battery. <i>ACS Applied Energy Materials</i> , 2023, 6, 3894-3902.	2.5	0
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4937	Mo and Ni Coordinated Bimetallic Oxide as Catalyst in Modified Separators for Low-Capacity Decay Lithium Sulfur Batteries. <i>ChemNanoMat</i> , 0, , .	1.5	0
4938	Hafnium Diboride Spherical Superstructure Born of 5d-Metal Hf-MOF-Induced p Orbital Activity of B Atom and Enhanced Kinetics of Sulfur Cathode Reaction. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	8
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4973	Structural Design of Electrocatalyst-Decorated MXenes on Sulfur Spheres for Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2023, 23, 5762-5769.	4.5	8
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5164	Structure engineering of cathode host materials for Li-S batteries. <i>Rare Metals</i> , 0, , .	3.6	0
5173	Roadmap for rechargeable batteries: present and beyond. <i>Science China Chemistry</i> , 0, , .	4.2	0
5189	Interface engineering toward stable lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2024, 17, 1330-1367.	15.6	2
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5209	<i>Nanomaterials in batteries</i> . , 2024, , 149-171.		0
5217	Metal organic frameworks-based cathode materials for advanced Li-S batteries: A comprehensive review. <i>Nano Research</i> , 2024, 17, 2592-2618.	5.8	0
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