

Metal-Organic Sulfur Battery Cathodes Based on PAN-Organic Sulfur

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Interconnected core-shell pyrolyzed polyacrylonitrile@sulfur/carbon nanocomposites for rechargeable lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2016, 40, 7680-7686.	1.4	17
7	Elemental-Sulfur-Mediated Facile Synthesis of a Covalent Triazine Framework for High-Performance Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2016, 128, 3158-3163.	1.6	96
8	Elemental-Sulfur-Mediated Facile Synthesis of a Covalent Triazine Framework for High-Performance Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3106-3111.	7.2	308
9	Enhancing the safety and electrochemical performance of ether based lithium sulfur batteries by introducing an efficient flame retarding additive. <i>RSC Advances</i> , 2016, 6, 53560-53565.	1.7	19
10	Nano-hydroxyapatite as an Efficient Polysulfide Absorbent for High-performance Li-S Batteries. <i>Electrochimica Acta</i> , 2016, 215, 162-170.	2.6	12
11	A review of recent developments in rechargeable lithium-sulfur batteries. <i>Nanoscale</i> , 2016, 8, 16541-16588.	2.8	326
12	A Flexible Nanostructured Paper of a Reduced Graphene Oxide-Sulfur Composite for High-Performance Lithium-Sulfur Batteries with Unconventional Configurations. <i>Advanced Materials</i> , 2016, 28, 9629-9636.	11.1	308
13	Chloride-Reinforced Carbon Nanofiber Host as Effective Polysulfide Traps in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2016, 3, 1600175.	5.6	68
14	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-S Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 8952-8959.	7.8	159
15	Mitigating Voltage Decay of Li-Rich Cathode Material via Increasing Ni Content for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20138-20146.	4.0	197
16	Cyclized-polyacrylonitrile modified carbon nanofiber interlayers enabling strong trapping of polysulfides in lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12973-12980.	5.2	64
17	Electrospun Nitrogen-Doped Carbon Nanofibers Encapsulating Cobalt Nanoparticles as Efficient Oxygen Reduction Reaction Catalysts. <i>ChemElectroChem</i> , 2016, 3, 1437-1445.	1.7	35
18	A stable room-temperature sodium-sulfur battery. <i>Nature Communications</i> , 2016, 7, 11722.	5.8	459
19	Molybdenum Polysulfide Chalcogels as High-Capacity, Anion-Redox-Driven Electrode Materials for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2016, 28, 8357-8365.	3.2	69
20	Adsorption and diffusion of Li with S on pristine and defected graphene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31268-31276.	1.3	9
21	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
22	A sulfur host based on titanium monoxide@carbon hollow spheres for advanced lithium-sulfur batteries. <i>Nature Communications</i> , 2016, 7, 13065.	5.8	590
23	Electrochemical Lithiation of Covalently Bonded Sulfur in Vulcanized Polyisoprene. <i>ACS Energy Letters</i> , 2016, 1, 115-120.	8.8	46

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24	Enhanced Li-S Batteries Using Amine-Functionalized Carbon Nanotubes in the Cathode. ACS Nano, 2016, 10, 1050-1059.	7.3	289
25	Novel 3-D network SeS /NCPAN composites prepared by one-pot in-situ solid-state method and its electrochemical performance as cathode material for lithium-ion battery. Journal of Alloys and Compounds, 2016, 664, 92-98.	2.8	28
26	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. Advanced Materials, 2017, 29, 1605512.	11.1	214
27	Inkjet-Printed Lithium-Sulfur Microcathodes for All-Printed, Integrated Nanomanufacturing. Small, 2017, 13, 1603786.	5.2	62
28	Persulfurated Coronene: A New Generation of "Sulflower". Journal of the American Chemical Society, 2017, 139, 2168-2171.	6.6	89
29	Carbon nano-composites for lithium-sulfur batteries. Current Opinion in Green and Sustainable Chemistry, 2017, 4, 64-71.	3.2	22
30	Improving the capacity of lithium-sulfur batteries by tailoring the polysulfide adsorption efficiency of hierarchical oxygen/nitrogen-functionalized carbon host materials. Physical Chemistry Chemical Physics, 2017, 19, 8349-8355.	1.3	24
31	Freestanding reduced graphene oxide-sulfur composite films for highly stable lithium-sulfur batteries. Nanoscale, 2017, 9, 4646-4651.	2.8	53
32	Explore the influence of coverage percentage of sulfur electrode on the cycle performance of lithium-sulfur batteries. Journal of Power Sources, 2017, 347, 238-246.	4.0	17
33	Easily Accessible, Textile Fiber-Based Sulfurized Poly(acrylonitrile) as Li/S Cathode Material: Correlating Electrochemical Performance with Morphology and Structure. ACS Energy Letters, 2017, 2, 595-604.	8.8	116
34	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. Angewandte Chemie - International Edition, 2017, 56, 2937-2941.	7.2	50
35	Sulfur-Rich Phosphorus Sulfide Molecules for Use in Rechargeable Lithium Batteries. Angewandte Chemie, 2017, 129, 2983-2987.	1.6	6
36	Decoration of Silica Nanoparticles on Polypropylene Separator for Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 7499-7504.	4.0	129
37	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for Li-S batteries. Journal of Materials Chemistry A, 2017, 5, 5460-5465.	5.2	62
38	A novel strategy for high-stability lithium sulfur batteries by in situ formation of polysulfide adsorptive-blocking layer. Journal of Power Sources, 2017, 355, 147-153.	4.0	30
39	Effect of carbon-sulphur bond in a sulphur/dehydrogenated polyacrylonitrile/reduced graphene oxide composite cathode for lithium-sulphur batteries. Journal of Power Sources, 2017, 355, 140-146.	4.0	29
40	Oxygen-Deficient Titanium Dioxide Nanosheets as More Effective Polysulfide Reservoirs for Lithium-Sulfur Batteries. Chemistry - A European Journal, 2017, 23, 9666-9673.	1.7	60
41	Facile Assembly of 3D Porous Reduced Graphene Oxide/Ultrathin MnO ₂ Nanosheets Aerogels as Efficient Polysulfide Adsorption Sites for High-Performance Lithium-Sulfur Batteries. Chemistry - A European Journal, 2017, 23, 7037-7045.	1.7	47

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42	An Improved Li ⁺ /SeS ₂ Battery with High Energy Density and Long Cycle Life. <i>Advanced Energy Materials</i> , 2017, 7, 1700281.	10.2	111
43	Advances and challenges of nanostructured electrodes for Li ⁺ /Se batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10110-10126.	5.2	96
44	Lithium Batteries with Nearly Maximum Metal Storage. <i>ACS Nano</i> , 2017, 11, 6362-6369.	7.3	180
45	Room-Temperature Sodium-Sulfur Batteries: A Comprehensive Review on Research Progress and Cell Chemistry. <i>Advanced Energy Materials</i> , 2017, 7, 1602829.	10.2	270
46	Nanosized Li ₂ S-based cathodes derived from MoS ₂ for high-energy density Li ⁺ /S cells and Si ⁺ /Li ₂ S full cells in carbonate-based electrolyte. <i>Energy Storage Materials</i> , 2017, 8, 209-216.	9.5	47
47	More Reliable Lithium-Sulfur Batteries: Status, Solutions and Prospects. <i>Advanced Materials</i> , 2017, 29, 1606823.	11.1	1,414
48	Influence of cations in lithium and magnesium polysulphide solutions: dependence of the solvent chemistry. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11152-11162.	1.3	85
49	Integrated Design of MnO ₂ @Carbon Hollow Nanoboxes to Synergistically Encapsulate Polysulfides for Empowering Lithium Sulfur Batteries. <i>Small</i> , 2017, 13, 1700087.	5.2	178
50	Microporous Carbon Polyhedrons Encapsulated Polyacrylonitrile Nanofibers as Sulfur Immobilizer for Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12436-12444.	4.0	57
51	Ultra-long cycle life, low-cost room temperature sodium-sulfur batteries enabled by highly doped (N,S) nanoporous carbons. <i>Nano Energy</i> , 2017, 32, 59-66.	8.2	178
52	Dual-Confined Sulfur in Hybrid Nanostructured Materials for Enhancement of Lithium-Sulfur Battery Cathode Capacity Retention. <i>ChemElectroChem</i> , 2017, 4, 636-647.	1.7	31
53	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
54	Greatly Suppressed Shuttle Effect for Improved Lithium Sulfur Battery Performance through Short Chain Intermediates. <i>Nano Letters</i> , 2017, 17, 538-543.	4.5	271
55	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
56	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
57	Stabilized Lithium-Sulfur Batteries by Covalently Binding Sulfur onto the Thiol-Terminated Polymeric Matrices. <i>Small</i> , 2017, 13, 1702104.	5.2	34
58	Designing solid-liquid interphases for sodium batteries. <i>Nature Communications</i> , 2017, 8, 898.	5.8	303
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60	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie</i> , 2017, 129, 14295-14300.	1.6	21
61	A Freestanding Selenium Disulfide Cathode Based on Cobalt Disulfide-Decorated Multichannel Carbon Fibers with Enhanced Lithium Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14107-14112.	7.2	113
62	Sulfur Cathode. , 2017, , 31-103.		0
63	Constructing hierarchical sulfur-doped nitrogenous carbon nanosheets for sodium-ion storage. <i>Nanotechnology</i> , 2017, 28, 445604.	1.3	13
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65	Atomic Sulfur Anchored on Silicene, Phosphorene, and Borophene for Excellent Cycle Performance of Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42836-42844.	4.0	53
66	Highly Ordered Mesoporous Sulfurized Polyacrylonitrile Cathode Material for High-Rate Lithium Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26172-26179.	1.5	52
67	Molecularly Imprinted Polymer Enables High-Efficiency Recognition and Trapping Lithium Polysulfides for Stable Lithium Sulfur Battery. <i>Nano Letters</i> , 2017, 17, 5064-5070.	4.5	112
68	<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
69	High-safety lithium-ion sulfur battery with sulfurized polyacrylonitrile cathode, prelithiated SiO _x /C anode and carbonate-based electrolyte. <i>Journal of Alloys and Compounds</i> , 2017, 723, 974-982.	2.8	26
70	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
71	A Comprehensive Approach toward Stable Lithium-Sulfur Batteries with High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2017, 7, 1601630.	10.2	277
72	Conversion cathodes for rechargeable lithium and lithium-ion batteries. <i>Energy and Environmental Science</i> , 2017, 10, 435-459.	15.6	545
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74	Nano-SiO ₂ -embedded poly(propylene carbonate)-based composite gel polymer electrolyte for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9539-9549.	5.2	66
75	A new insight into the lithium storage mechanism of sulfurized polyacrylonitrile with no soluble intermediates. <i>Energy Storage Materials</i> , 2018, 14, 272-278.	9.5	140
76	Lithium-Sulfur Batteries: State of the Art and Future Directions. <i>ACS Applied Energy Materials</i> , 2018, 1, 1783-1814.	2.5	108
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79	Recent Progress of the Solidâ€State Electrolytes for Highâ€Energy Metalâ€Based Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702657.	10.2	851
80	Sulfur nanocomposite as a positive electrode material for rechargeable potassiumâ€sulfur batteries. <i>Chemical Communications</i> , 2018, 54, 2288-2291.	2.2	86
81	Differences in Electrochemistry between Fibrous SPAN and Fibrous S/C Cathodes Relevant to Cycle Stability and Capacity. <i>Journal of the Electrochemical Society</i> , 2018, 165, A6017-A6020.	1.3	32
82	Designing Safe Electrolyte Systems for a Highâ€Stability Lithiumâ€Sulfur Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1702348.	10.2	266
83	Biomimetic Bipolar Microcapsules Derived from <i>Staphylococcus aureus</i> for Enhanced Properties of Lithiumâ€Sulfur Battery Cathodes. <i>Advanced Energy Materials</i> , 2018, 8, 1702373.	10.2	106
84	Sulfur Immobilization by â€Chemical Anchorâ€to Suppress the Diffusion of Polysulfides in Lithiumâ€Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701274.	1.9	87
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86	A new ether-based electrolyte for lithium sulfur batteries using a S@pPAN cathode. <i>Chemical Communications</i> , 2018, 54, 5478-5481.	2.2	44
87	Progress and perspective of organosulfur polymers as cathode materials for advanced lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 15, 53-64.	9.5	131
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89	CeO ₂ -webbed carbon nanotubes as a highly efficient sulfur host for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2018, 10, 216-222.	9.5	92
90	Enhanced sulfide chemisorption by conductive Al-doped ZnO decorated carbon nanoflakes for advanced Liâ€S batteries. <i>Nano Research</i> , 2018, 11, 477-489.	5.8	36
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92	Advanced chemical strategies for lithiumâ€sulfur batteries: A review. <i>Green Energy and Environment</i> , 2018, 3, 2-19.	4.7	164
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94	Recent Advances in Applying Vulcanization/Inverse Vulcanization Methods to Achieve Highâ€Performance Sulfurâ€Containing Polymer Cathode Materials for Liâ€S Batteries. <i>Small Methods</i> , 2018, 2, 1800156.	4.6	73
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97	Recognizing the Mechanism of Sulfurized Polyacrylonitrile Cathode Materials for Li-S Batteries and beyond in Al-S Batteries. <i>ACS Energy Letters</i> , 2018, 3, 2899-2907.	8.8	224
98	Synthesis of oxidized acetylene black/sulfur@Nd ₂ O ₃ composite as cathode materials for lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	7
99	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16072-16076.	7.2	115
100	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). <i>Angewandte Chemie</i> , 2018, 130, 16304-16308.	1.6	16
101	Electron bridging structure glued yolk-shell hierarchical porous carbon/sulfur composite for high performance Li-S batteries. <i>Electrochimica Acta</i> , 2018, 292, 199-207.	2.6	27
102	A Review of Functional Binders in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802107.	10.2	324
103	Atomic cobalt as an efficient electrocatalyst in sulfur cathodes for superior room-temperature sodium-sulfur batteries. <i>Nature Communications</i> , 2018, 9, 4082.	5.8	305
104	A high performance lithium-ion-sulfur battery with a free-standing carbon matrix supported Li-rich alloy anode. <i>Chemical Science</i> , 2018, 9, 8829-8835.	3.7	36
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107	First-principles explorations of the electrochemical lithiation dynamics of a multilayer graphene nanosheet-based sulfur-carbon composite. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18084-18094.	5.2	11
108	A Perspective on Energy Densities of Rechargeable Li-S Batteries and Alternative Sulfur-Based Cathode Materials. <i>Energy and Environmental Materials</i> , 2018, 1, 20-27.	7.3	104
109	Use of Tween Polymer To Enhance the Compatibility of the Li/Electrolyte Interface for the High-Performance and High-Safety Quasi-Solid-State Lithium-Sulfur Battery. <i>Nano Letters</i> , 2018, 18, 4598-4605.	4.5	81
110	Lithium sulfur batteries with compatible electrolyte both for stable cathode and dendrite-free anode. <i>Energy Storage Materials</i> , 2018, 15, 299-307.	9.5	92
111	Structural Design of Lithium-Sulfur Batteries: From Fundamental Research to Practical Application. <i>Electrochemical Energy Reviews</i> , 2018, 1, 239-293.	13.1	298
112	Single ion conducting lithium sulfur polymer batteries with improved safety and stability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14330-14338.	5.2	49
113	Sulfur Diffusion within Nitrogen-Doped Ordered Mesoporous Carbons Determined by in Situ X-ray Scattering. <i>Langmuir</i> , 2018, 34, 8767-8776.	1.6	13

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114	High performance potassium-sulfur batteries based on a sulfurized polyacrylonitrile cathode and polyacrylic acid binder. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14587-14593.	5.2	89
115	All-in-one lithium-sulfur battery enabled by a porous-dense-porous garnet architecture. <i>Energy Storage Materials</i> , 2018, 15, 458-464.	9.5	108
116	Tuning the electrolyte network structure to invoke quasi-solid state sulfur conversion and suppress lithium dendrite formation in Li-S batteries. <i>Nature Energy</i> , 2018, 3, 783-791.	19.8	421
117	Multifunctionality of Carbon-based Frameworks in Lithium Sulfur Batteries. <i>Electrochemical Energy Reviews</i> , 2018, 1, 403-432.	13.1	42
118	Advances in Cathode Materials for High-Performance Lithium-Sulfur Batteries. <i>IScience</i> , 2018, 6, 151-198.	1.9	85
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120	Recent research trends in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11582-11605.	5.2	199
121	S _{0.87} Se _{0.13} /CPAN composites as high capacity and stable cycling performance cathode for lithium sulfur battery. <i>Electrochimica Acta</i> , 2018, 281, 789-795.	2.6	26
122	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018, 4, eaat1687.	4.7	225
123	High-rate lithium cycling in a scalable trilayer Li-garnet-electrolyte architecture. <i>Materials Today</i> , 2019, 22, 50-57.	8.3	233
124	Highly conductive copolymer/sulfur composites with covalently grafted polyaniline for stable and durable lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2019, 321, 134678.	2.6	36
125	Synergy of Sulfur/Polyacrylonitrile Composite and Gel Polymer Electrolyte Promises Heat-Resistant Lithium-Sulfur Batteries. <i>IScience</i> , 2019, 19, 316-325.	1.9	34
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127	Building high performance silicon-oxygen and silicon-sulfur battery by in-situ lithiation of fibrous Si/C anode. <i>Journal of Alloys and Compounds</i> , 2019, 806, 335-342.	2.8	7
128	Sulfurized Polyacrylonitrile Cathodes with High Compatibility in Both Ether and Carbonate Electrolytes for Ultrastable Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1902929.	7.8	161
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130	A Large Scalable and Low-Cost Sulfur/Nitrogen Dual-Doped Hard Carbon as the Negative Electrode Material for High-Performance Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901379.	10.2	195
131	One-Step In Situ Preparation of Polymeric Selenium Sulfide Composite as a Cathode Material for Enhanced Sodium/Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29807-29813.	4.0	36

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133	Sulfur-anchored azulene as a cathode material for Li-S batteries. <i>Chemical Communications</i> , 2019, 55, 9047-9050.	2.2	31
134	ZnS coating of cathode facilitates lean electrolyte Li-S batteries. , 2019, 1, 165-172.		87
135	Metal Coated Polypropylene Separator with Enhanced Surface Wettability for High Capacity Lithium Metal Batteries. <i>Scientific Reports</i> , 2019, 9, 16795.	1.6	30
136	Recent Advances in Cathode Materials for Room-Temperature Sodium-Sulfur Batteries. <i>ChemPhysChem</i> , 2019, 20, 3164-3176.	1.0	26
137	On the Reversibility and Fragility of Sodium Metal Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901651.	10.2	48
138	Fluorinated Covalent Organic Polymers for High Performance Sulfur Cathodes in Lithium-Sulfur Batteries. <i>Chemistry of Materials</i> , 2019, 31, 7910-7921.	3.2	66
139	Redox-active polymers (redoxmers) for electrochemical energy storage. <i>MRS Communications</i> , 2019, 9, 1151-1167.	0.8	9
140	Rational Design of Nanostructured Polymer Electrolytes and Solid-Liquid Interphases for Lithium Batteries. <i>Springer Theses</i> , 2019, , .	0.0	4
141	Sulfur Redox Reactions at Working Interfaces in Lithium-Sulfur Batteries: A Perspective. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802046.	1.9	128
142	Cathode electrolyte interface enabling stable Li-S batteries. <i>Energy Storage Materials</i> , 2019, 21, 474-480.	9.5	59
143	A new class of lithium-ion battery using sulfurized carbon anode from polyacrylonitrile and lithium manganese oxide cathode. <i>Journal of Power Sources</i> , 2019, 434, 126641.	4.0	13
144	Mountain-like nanostructured 3D Ni ₃ S ₂ on Ni foam for rechargeable aluminum battery and its theoretical analysis on charge/discharge mechanism. <i>Journal of Alloys and Compounds</i> , 2019, 798, 500-506.	2.8	22
145	Non-flammable electrolyte for dendrite-free sodium-sulfur battery. <i>Energy Storage Materials</i> , 2019, 23, 8-16.	9.5	92
146	Sulfur-Crafted Hollow Carbon Spheres for Potassium-Ion Battery Anodes. <i>Advanced Materials</i> , 2019, 31, e1900429.	11.1	235
147	Recent Progress on Organic Electrodes Materials for Rechargeable Batteries and Supercapacitors. <i>Materials</i> , 2019, 12, 1770.	1.3	97
148	Immobilized Single Molecular Molybdenum Disulfide on Carbonized Polyacrylonitrile for Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2019, 13, 6720-6729.	7.3	40
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156	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
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158	Te _{0.045} S _{0.955} PAN composite with high average discharge voltage for Li–S battery. <i>Journal of Energy Chemistry</i> , 2019, 39, 249-255.	7.1	24
159	Untying thioether bond structures enabled by voltage-scissors for stable room temperature sodium–sulfur batteries. <i>Nanoscale</i> , 2019, 11, 5967-5973.	2.8	66
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162	Influence of morphology of monolithic sulfur–poly(acrylonitrile) composites used as cathode materials in lithium–sulfur batteries on electrochemical performance. <i>RSC Advances</i> , 2019, 9, 7181-7188.	1.7	24
163	High Performance Room Temperature Sodium–Sulfur Battery by Eutectic Acceleration in Tellurium-Doped Sulfurized Polyacrylonitrile. <i>ACS Applied Energy Materials</i> , 2019, 2, 2956-2964.	2.5	73
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172	Sulfurized poly(acrylonitrile) wrapped carbon sulfur composite cathode material for high performance rechargeable lithium sulfur batteries. <i>Journal of Power Sources</i> , 2019, 412, 670-676.	4.0	38
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