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## Li-O<sub>2</sub> and Li-S batteries with high energy storage

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2123	A Metal-Organic Framework with Open Metal Sites for Enhanced Confinement of Sulfur and Lithium-Sulfur Battery of Long Cycling Life. <b>2013</b> , 13, 5116-5120	102
2122	A Phenomenological Degradation Model for Cyclic Aging of Lithium Ion Cell Materials. <b>2013</b> , 160, A125-A137	42
2121	A long-life, high-rate lithium/sulfur cell: a multifaceted approach to enhancing cell performance. <b>2013</b> , 13, 5891-9	373
2120	In situ-formed Li <sub>2</sub> S in lithiated graphite electrodes for lithium-sulfur batteries. <b>2013</b> , 135, 18044-7	119
2119	On the role of polysulfides for a stable solid electrolyte interphase on the lithium anode cycled in lithium-sulfur batteries. <b>2013</b> , 236, 181-187	129
2118	Free standing acetylene black mesh to capture dissolved polysulfide in lithium sulfur batteries. <b>2013</b> , 49, 11107-9	70
2117	Synthesis of nano-scale fast ion conducting cubic Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> . <b>2013</b> , 24, 424005	90
2116	Synthesis and electrochemical performance of TiO <sub>2</sub> -sulfur composite cathode materials for lithium-sulfur batteries. <b>2013</b> , 17, 2959-2965	41
2115	Covalent bond glued sulfur nanosheet-based cathode integration for long-cycle-life Li-S batteries. <b>2013</b> , 13, 6244-50	87

2114	Tailoring porosity in carbon nanospheres for lithium-sulfur battery cathodes. <b>2013</b> , 7, 10920-30	391
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2112	Ordered mesoporous carbon electrodes for Li-O <sub>2</sub> batteries. <b>2013</b> , 5, 13426-31	59
2111	Enhanced electrochemical performance of sulfur/carbon nanocomposite material prepared via chemical deposition with a vacuum soaking step. <b>2013</b> , 105, 23-30	24
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2109	Lithium-sulfur batteries with superior cycle stability by employing porous current collectors. <b>2013</b> , 107, 569-576	118
2108	N-Methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide-based organic electrolyte for high performance lithium-sulfur batteries. <b>2013</b> , 236, 207-214	82
2107	Sulfur/activated-conductive carbon black composites as cathode materials for lithium/sulfur battery. <b>2013</b> , 240, 598-605	83
2106	Hydrothermal nanocasting: Synthesis of hierarchically porous carbon monoliths and their application in lithium-sulfur batteries. <b>2013</b> , 61, 245-253	115
2105	Thermodynamics and cell chemistry of room temperature sodium/sulfur cells with liquid and liquid/solid electrolyte. <b>2013</b> , 243, 758-765	142
2104	Lithium-sulfur batteries: electrochemistry, materials, and prospects. <b>2013</b> , 52, 13186-200	1989
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2098	A rechargeable non-aqueous Mg-O <sub>2</sub> battery. <b>2013</b> , 49, 9152-4	75
2097	Mesoporous ZnCo <sub>2</sub> O <sub>4</sub> nanoflakes with bifunctional electrocatalytic activities toward efficiencies of rechargeable lithium-oxygen batteries in aprotic media. <b>2013</b> , 5, 12115-9	91

2096	Combining Accurate O <sub>2</sub> and Li <sub>2</sub> O <sub>2</sub> Assays to Separate Discharge and Charge Stability Limitations in Nonaqueous Li-O <sub>2</sub> Batteries. <b>2013</b> , 4, 2989-93	295
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2094	Very high energy density silicide-air primary batteries. <b>2013</b> , 6, 2621	17
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2025	A new class of Solvent-in-Salt electrolyte for high-energy rechargeable metallic lithium batteries. <b>2013</b> , 4, 1481	1631



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1944	Charging a Li-O <sub>2</sub> battery using a redox mediator. <b>2013</b> , 5, 489-94	675
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1942	Solvent Effect of Room Temperature Ionic Liquids on Electrochemical Reactions in Lithium-Sulfur Batteries. <b>2013</b> , 117, 4431-4440	161
1941	Fibrous hybrid of graphene and sulfur nanocrystals for high-performance lithium-sulfur batteries. <b>2013</b> , 7, 5367-75	670
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1939	An organic cathode material based on a polyimide/CNT nanocomposite for lithium ion batteries. <b>2013</b> , 1, 6366	166
1938	Plasma-Enhanced Atomic Layer Deposition of Ultrathin Oxide Coatings for Stabilized Lithium-Sulfur Batteries. <b>2013</b> , 3, 1308-1315	123
1937	Evidence for lithium superoxide-like species in the discharge product of a Li-O <sub>2</sub> battery. <b>2013</b> , 15, 3764-71	164
1936	Solvate Ionic Liquid Electrolyte for Li-S Batteries. <b>2013</b> , 160, A1304-A1310	336
1935	Monitoring the Electrochemical Processes in the Lithium-Air Battery by Solid State NMR Spectroscopy. <b>2013</b> , 117, 26929-26939	82

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1932	The Identification of Stable Solvents for Nonaqueous Rechargeable Li-Air Batteries. <b>2013</b> , 160, A160-A171	171
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1927	The Effect of Operation Conditions on the Performance of Lithium/Oxygen Batteries. <b>2013</b> , 160, A25-A30	19
1926	Towards highly stable storage of sodium ions: a porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode material for sodium-ion batteries. <b>2013</b> , 19, 14712-8	88
1925	Highly efficient oxygen reduction electrocatalysts based on winged carbon nanotubes. <b>2013</b> , 3, 3195	42
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1922	Sulfur-Polypyrrole/Graphene Multi-Composites as Cathode for Lithium-Sulfur Battery. <b>2013</b> , 160, A805-A810	55
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1837	Magnetron sputtering amorphous carbon coatings on metallic lithium: Towards promising anodes for lithium secondary batteries. <b>2014, 266, 43-50</b>	77
1836	Buckypaper electrode containing carbon nanofiber/Co <sub>3</sub> O <sub>4</sub> composite for enhanced lithium air batteries. <b>2014, 268, 216-221</b>	17
1835	Preparation and electrochemical properties of Zr-site substituted Li <sub>7</sub> La <sub>3</sub> (Zr <sub>2</sub> M <sub>x</sub> )O <sub>12</sub> (M' = Ta, Nb) solid electrolytes. <b>2014, 261, 206-211</b>	52
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1833	A simple method for surface modification of carbon by polydopamine coating for enhanced Li-air batteries. <b>2014, 132, 297-306</b>	27
1832	A novel air electrode design: A key to high rate capability and long life span. <b>2014, 255, 187-196</b>	22
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1828	Energy applications of ionic liquids. <b>2014, 7, 232-250</b>	1244
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1817	Sulfur encapsulated ZIF-8 as cathode material for lithium-sulfur battery with improved cyclability. <b>2014</b> , 185, 92-96	68
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1805	Mesoporous carbon/sulfur composite with polyaniline coating for lithium sulfur batteries. <b>2014</b> , 262, 170-173	32
1804	O- and N-Doped Carbon Nanowebs as Metal-Free Catalysts for Hybrid Li-Air Batteries. <b>2014</b> , 4, 1301795	82
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1751	Sulfur-infiltrated porous carbon microspheres with controllable multi-modal pore size distribution for high energy lithium-sulfur batteries. <b>2014</b> , 6, 882-8	82
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