

Design principles for electrolytes and interfaces for stable

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nanostructured energy materials for electrochemical energy conversion and storage: A review. <i>Journal of Energy Chemistry</i> , 2016, 25, 967-984.	7.1	409
2	Stabilizing Lithium Metal Anodes by Uniform Li-Ion Flux Distribution in Nanochannel Confinement. <i>Journal of the American Chemical Society</i> , 2016, 138, 15443-15450.	6.6	386
3	Fluoroethylene Carbonate Additives to Render Uniform Li Deposits in Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1605989.	7.8	1,189
4	Highly Stable Sodium Batteries Enabled by Functional Ionic Polymer Membranes. <i>Advanced Materials</i> , 2017, 29, 1605512.	11.1	214
5	Nanoporous Hybrid Electrolytes for High-Energy Batteries Based on Reactive Metal Anodes. <i>Advanced Energy Materials</i> , 2017, 7, 1602367.	10.2	122
6	Nanoscale Nucleation and Growth of Electrodeposited Lithium Metal. <i>Nano Letters</i> , 2017, 17, 1132-1139.	4.5	1,081
7	Advanced Micro/Nanostructures for Lithium Metal Anodes. <i>Advanced Science</i> , 2017, 4, 1600445.	5.6	444
8	Aluminium-ion batteries: developments and challenges. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6347-6367.	5.2	312
9	Reviving the lithium metal anode for high-energy batteries. <i>Nature Nanotechnology</i> , 2017, 12, 194-206.	15.6	4,804
10	A Plastic-Crystal Electrolyte Interphase for All-Solid-State Sodium Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5541-5545.	7.2	160
11	Designer interphases for the lithium-oxygen electrochemical cell. <i>Science Advances</i> , 2017, 3, e1602809.	4.7	84
12	Lithium-metal deposition/dissolution within internal space of CNT 3D matrix results in prolonged cycle of lithium-metal negative electrode. <i>Carbon</i> , 2017, 119, 119-123.	5.4	67
13	Crystal Orientation Dependence of Precipitate Structure of Electrodeposited Li Metal on Cu Current Collectors. <i>Crystal Growth and Design</i> , 2017, 17, 2379-2385.	1.4	21
14	A Plastic-Crystal Electrolyte Interphase for All-Solid-State Sodium Batteries. <i>Angewandte Chemie</i> , 2017, 129, 5633-5637.	1.6	34
15	Functional metal-organic framework boosting lithium metal anode performance via chemical interactions. <i>Chemical Science</i> , 2017, 8, 4285-4291.	3.7	164
16	Hierarchical Chitin Fibers with Aligned Nanofibrillar Architectures: A Nonwoven-Mat Separator for Lithium Metal Batteries. <i>ACS Nano</i> , 2017, 11, 6114-6121.	7.3	133
17	Review on High-Loading and High-Energy Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700260.	10.2	1,307
18	Garnet/polymer hybrid ion-conducting protective layer for stable lithium metal anode. <i>Nano Research</i> , 2017, 10, 4256-4265.	5.8	76

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19	Three-dimensional bilayer garnet solid electrolyte based high energy density lithium metal–sulfur batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1568-1575.	15.6	499
20	High-Performance All-Inorganic Solid-State Sodium–Sulfur Battery. <i>ACS Nano</i> , 2017, 11, 4885-4891.	7.3	133
21	Stable Artificial Solid Electrolyte Interphases for Lithium Batteries. <i>Chemistry of Materials</i> , 2017, 29, 4181-4189.	3.2	199
22	Li ⁺ Defects in a Solid-State Li Ion Battery: Theoretical Insights with a Li ₃ OCl Electrolyte. <i>Chemistry of Materials</i> , 2017, 29, 4330-4340.	3.2	80
23	Materials Genomics Screens for Adaptive Ion Transport Behavior by Redox-Switchable Microporous Polymer Membranes in Lithium–Sulfur Batteries. <i>ACS Central Science</i> , 2017, 3, 399-406.	5.3	44
24	Nanoscale perspective: Materials designs and understandings in lithium metal anodes. <i>Nano Research</i> , 2017, 10, 4003-4026.	5.8	130
25	Conformal Lithium Fluoride Protection Layer on Three-Dimensional Lithium by Nonhazardous Gaseous Reagent Freon. <i>Nano Letters</i> , 2017, 17, 3731-3737.	4.5	377
26	Lithiophilic Cu–Ni core–shell nanowire network as a stable host for improving lithium anode performance. <i>Energy Storage Materials</i> , 2017, 9, 31-38.	9.5	149
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29	Decoupling of ion conductivity from segmental dynamics in oligomeric ethylene oxide functionalized oxanorbornene dicarboximide homopolymers. <i>Polymer</i> , 2017, 116, 218-225.	1.8	13
30	Insulative Microfiber 3D Matrix as a Host Material Minimizing Volume Change of the Anode of Li Metal Batteries. <i>ACS Energy Letters</i> , 2017, 2, 924-929.	8.8	95
31	Controlled deposition of Li metal. <i>Nano Energy</i> , 2017, 32, 241-246.	8.2	70
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36	Anion-Dependent Potential Precycling Effects on Lithium Deposition/Dissolution Reaction Studied by an Electrochemical Quartz Crystal Microbalance. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5203-5208.	2.1	10

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38	Organosulfide-plasticized solid-electrolyte interphase layer enables stable lithium metal anodes for long-cycle lithium-sulfur batteries. <i>Nature Communications</i> , 2017, 8, 850.	5.8	240
39	Designing solid-liquid interphases for sodium batteries. <i>Nature Communications</i> , 2017, 8, 898.	5.8	303
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150	High-Power Li-Metal Anode Enabled by Metal-Organic Framework Modified Electrolyte. <i>Joule</i> , 2018, 2, 2117-2132.	11.7	227
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