Chunmei Li

List of Publications by Year
in descending order

43 papers	5,187 citations	136740 32 h-index	253896 43 g-index
47 all docs	47 docs citations	47 times ranked	5427 citing authors

#	Article	IF	Citations
1	Grapheneâ€based Activated Carbon Composites for High Performance Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	6
2	Diagnosing the SEI Layer in a Potassium Ion Battery Using Distribution of Relaxation Time. Journal of Physical Chemistry Letters, 2021, 12, 2064-2071.	2.1	33
3	Electrolyte and anodeâ€electrolyte interphase in solidâ€state lithium metal polymer batteries: A perspective. SusMat, 2021, 1, 24-37.	7.8	74
4	Salt Additives for Improving Cyclability of Polymer-Based All-Solid-State Lithiumâ€"Sulfur Batteries. ACS Applied Energy Materials, 2021, 4, 4459-4464.	2.5	18
5	Lithium solid-state batteries: State-of-the-art and challenges for materials, interfaces and processing. Journal of Power Sources, 2021, 502, 229919.	4.0	92
6	Safe, Flexible, and High-Performing Gel-Polymer Electrolyte for Rechargeable Lithium Metal Batteries. Chemistry of Materials, 2021, 33, 8812-8821.	3.2	66
7	Singleâ€Ion Conducting Poly(Ethylene Oxide Carbonate) as Solid Polymer Electrolyte for Lithium Batteries. Batteries and Supercaps, 2020, 3, 68-75.	2.4	37
8	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. Angewandte Chemie, 2020, 132, 542-546.	1.6	28
9	From Solidâ€Solution Electrodes and the Rockingâ€Chair Concept to Today's Batteries. Angewandte Chemie - International Edition, 2020, 59, 534-538.	7.2	124
10	Improvement of Lithium Metal Polymer Batteries through a Small Dose of Fluorinated Salt. Journal of Physical Chemistry Letters, 2020, 11, 6133-6138.	2.1	24
11	A Highly Sensitive Electrochemical Sensor of Polysulfides in Polymer Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2020, 167, 080520.	1.3	1
12	Quasi-solid-state electrolytes for lithium sulfur batteries: Advances and perspectives. Journal of Power Sources, 2019, 438, 226985.	4.0	73
13	Designer Anion Enabling Solid-State Lithium-Sulfur Batteries. Joule, 2019, 3, 1689-1702.	11.7	108
14	Fluorineâ€Free Noble Salt Anion for Highâ€Performance Allâ€Solidâ€State Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1900763.	10.2	66
15	UV-cross-linked poly(ethylene oxide carbonate) as free standing solid polymer electrolyte for lithium batteries. Electrochimica Acta, 2019, 302, 414-421.	2.6	50
16	Enhanced Lithiumâ€Ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. Angewandte Chemie - International Edition, 2019, 58, 7829-7834.	7.2	59
17	Enhanced Lithiumâ€Ion Conductivity of Polymer Electrolytes by Selective Introduction of Hydrogen into the Anion. Angewandte Chemie, 2019, 131, 7911-7916.	1.6	51
18	Understanding the Role of Nanoâ€Aluminum Oxide in Allâ€Solidâ€State Lithiumâ€Sulfur Batteries. ChemElectroChem, 2019, 6, 326-330.	1.7	28

#	Article	IF	Citations
19	Solid Electrolytes for Lithium Metal and Future Lithium-ion Batteries. , 2019, , 72-101.		7
20	Poly(ethylene oxide carbonates) solid polymer electrolytes for lithium batteries. Electrochimica Acta, 2018, 264, 367-375.	2.6	90
21	Elektrolytadditive fÃ¼r Lithiummetallanoden und wiederaufladbare Lithiummetallbatterien: Fortschritte und Perspektiven. Angewandte Chemie, 2018, 130, 15220-15246.	1.6	54
22	Electrolyte Additives for Lithium Metal Anodes and Rechargeable Lithium Metal Batteries: Progress and Perspectives. Angewandte Chemie - International Edition, 2018, 57, 15002-15027.	7.2	551
23	S-containing copolymer as cathode material in poly(ethylene oxide)-based all-solid-state Li-S batteries. Journal of Power Sources, 2018, 390, 148-152.	4.0	43
24	Reviewâ€"Solid Electrolytes for Safe and High Energy Density Lithium-Sulfur Batteries: Promises and Challenges. Journal of the Electrochemical Society, 2018, 165, A6008-A6016.	1.3	146
25	Stable cycling of lithium metal electrode in nanocomposite solid polymer electrolytes with lithium bis (fluorosulfonyl)imide. Solid State Ionics, 2018, 318, 95-101.	1.3	44
26	Opportunities for Rechargeable Solid-State Batteries Based on Li-Intercalation Cathodes. Joule, 2018, 2, 2208-2224.	11.7	153
27	Electrolyte Additives for Roomâ€Temperature, Sodiumâ€Based, Rechargeable Batteries. Chemistry - an Asian Journal, 2018, 13, 2770-2780.	1.7	53
28	Ultrahigh Performance All Solid-State Lithium Sulfur Batteries: Salt Anionâ€™s Chemistry-Induced Anomalous Synergistic Effect. Journal of the American Chemical Society, 2018, 140, 9921-9933.	6.6	249
29	Single lithium-ion conducting solid polymer electrolytes: advances and perspectives. Chemical Society Reviews, 2017, 46, 797-815.	18.7	862
30	Polycondensation as a Versatile Synthetic Route to Aliphatic Polycarbonates for Solid Polymer Electrolytes. Electrochimica Acta, 2017, 237, 259-266.	2.6	60
31	Lithium Bis(fluorosulfonyl)imide/Poly(ethylene oxide) Polymer Electrolyte for All Solid-State Liâ€"S Cell. Journal of Physical Chemistry Letters, 2017, 8, 1956-1960.	2.1	166
32	New Single Ion Conducting Blend Based on PEO and PA-LiTFSI. Electrochimica Acta, 2017, 255, 48-54.	2.6	33
33	Lithium Azide as an Electrolyte Additive for Allâ€Solidâ€State Lithiumâ€"Sulfur Batteries. Angewandte Chemie - International Edition, 2017, 56, 15368-15372.	7.2	213
34	Lithium Azide as an Electrolyte Additive for Allâ€Solidâ€State Lithiumâ€"Sulfur Batteries. Angewandte Chemie, 2017, 129, 15570-15574.	1.6	12
35	Polymer-Rich Composite Electrolytes for All-Solid-State Liâ€"S Cells. Journal of Physical Chemistry Letters, 2017, 8, 3473-3477.	2.1	106
36	Estimation of energy density of Li-S batteries with liquid and solid electrolytes. Journal of Power Sources, 2016, 326, 1-5.	4.0	88

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37	Inverse vulcanization of sulfur with divinylbenzene: Stable and easy processable cathode material for lithium-sulfur batteries. Journal of Power Sources, 2016, 329, 72-78.	4.0	97
38	New Redox Polymers that Exhibit Reversible Cleavage of Sulfur Bonds as Cathode Materials. ChemSusChem, 2016, 9, 3206-3212.	3.6	5
39	Sodiumâ€“Oxygen Battery: Steps Toward Reality. Journal of Physical Chemistry Letters, 2016, 7, 1161-1166.	2.1	86
40	Electronic Structure of Sodium Superoxide Bulk, (100) Surface, and Clusters using Hybrid Density Functional: Relevance for Naâ€“O₂ Batteries. Journal of Physical Chemistry Letters, 2015, 6, 2027-2031.	2.1	37
41	The role of LiO2 solubility in O2 reduction in aprotic solvents and its consequences for Liâ€“O2 batteries. Nature Chemistry, 2014, 6, 1091-1099.	6.6	942
42	Aprotic Liâ€“O₂ Battery: Influence of Complexing Agents on Oxygen Reduction in an Aprotic Solvent. Journal of Physical Chemistry C, 2014, 118, 3393-3401.	1.5	36
43	A facile approach to ZnO/CdS nanoarrays and their photocatalytic and photoelectrochemical properties. Applied Catalysis B: Environmental, 2013, 138-139, 175-183.	10.8	103