

Shaojie Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,449
citations

430754

18
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2254
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfide solid electrolytes for all-solid-state lithium batteries: Structure, conductivity, stability and application. <i>Energy Storage Materials</i> , 2018, 14, 58-74.	9.5	403
2	A new solid polymer electrolyte incorporating Li ₁₀ GeP ₂ S ₁₂ into a polyethylene oxide matrix for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2016, 301, 47-53.	4.0	371
3	Interface Re-Engineering of Li ₁₀ GeP ₂ S ₁₂ Electrolyte and Lithium anode for All-Solid-State Lithium Batteries with Ultralong Cycle Life. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2556-2565.	4.0	220
4	A promising PEO/LAGP hybrid electrolyte prepared by a simple method for all-solid-state lithium batteries. <i>Solid State Ionics</i> , 2016, 295, 65-71.	1.3	205
5	A new composite solid electrolyte PEO/Li ₁₀ GeP ₂ S ₁₂ /SN for all-solid-state lithium battery. <i>Electrochimica Acta</i> , 2016, 210, 905-914.	2.6	185
6	An advanced construction strategy of all-solid-state lithium batteries with excellent interfacial compatibility and ultralong cycle life. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16984-16993.	5.2	168
7	High air-stability and superior lithium ion conduction of Li _{3+3P1-Zn S4-O} by aliovalent substitution of ZnO for all-solid-state lithium batteries. <i>Energy Storage Materials</i> , 2019, 17, 266-274.	9.5	114
8	Lithium Superionic Conducting Oxysulfide Solid Electrolyte with Excellent Stability against Lithium Metal for All-Solid-State Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, A96-A101.	1.3	103
9	In-situ preparation of poly(ethylene oxide)/Li ₃ PS ₄ hybrid polymer electrolyte with good nanofiller distribution for rechargeable solid-state lithium batteries. <i>Journal of Power Sources</i> , 2018, 387, 72-80.	4.0	95
10	High ion conductive Sb ₂ O ₅ -doped \hat{I}^2 -Li ₃ PS ₄ with excellent stability against Li for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2018, 389, 140-147.	4.0	90
11	UV-cured polymer electrolyte for LiNi _{0.85} Co _{0.05} Al _{0.10} O ₂ /Li solid state battery working at ambient temperature. <i>Energy Storage Materials</i> , 2019, 22, 337-345.	9.5	82
12	Superior lithium ion conduction of polymer electrolyte with comb-like structure <i>via</i> solvent-free copolymerization for bipolar all-solid-state lithium battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13438-13447.	5.2	80
13	Enabling high-areal-capacity all-solid-state lithium-metal batteries by tri-layer electrolyte architectures. <i>Energy Storage Materials</i> , 2020, 24, 714-718.	9.5	74
14	One-pot preparation of new copolymer electrolytes with tunable network structure for all-solid-state lithium battery. <i>Journal of Power Sources</i> , 2016, 331, 322-331.	4.0	65
15	A large-size, bipolar-stacked and high-safety solid-state lithium battery with integrated electrolyte and cathode. <i>Journal of Power Sources</i> , 2018, 394, 57-66.	4.0	65
16	Stable cycling of all-solid-state lithium battery with surface amorphized Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ electrolyte and lithium anode. <i>Electrochimica Acta</i> , 2019, 297, 281-287.	2.6	35
17	Hybrid solid electrolytes with excellent electrochemical properties and their applications in all-solid-state cells. <i>Ionics</i> , 2017, 23, 2603-2611.	1.2	27
18	One-pot synthesis of crosslinked polymer electrolyte beyond 5V oxidation potential for all-solid-state lithium battery. <i>Journal of Power Sources</i> , 2019, 431, 1-7.	4.0	26

#	ARTICLE	IF	CITATIONS
19	Preparation of new composite polymer electrolyte for long cycling all-solid-state lithium battery. <i>Ionics</i> , 2019, 25, 907-916.	1.2	19
20	Integration of a low-tortuous electrode and an in-situ-polymerized electrolyte for all-solid-state lithium-metal batteries. <i>Cell Reports Physical Science</i> , 2022, 3, 100851.	2.8	9
21	Synthesis, characterization and photovoltaic properties of three new 3,4-dithienyl-substituted polythiophene derivatives. <i>Polymer Journal</i> , 2016, 48, 101-110.	1.3	4
22	Different mechanisms between reactions of soot with gaseous and adsorbed NO ₂ . <i>Science Bulletin</i> , 2014, 59, 4003-4007.	1.7	3
23	Theoretical calculation on relationship between molecular structure and band gap of benzo[1,2-b:4,5-b']dithiophene based homopolymer. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 2507-2519.	0.7	3
24	A new conjugated polymer PPV-PCN: synthesis, characterization, and applications. <i>Polymer Bulletin</i> , 2015, 72, 117-133.	1.7	3