

Interfaces and Interphases in All-Solid-State Batteries v

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Promising All-Solid-State Batteries for Future Electric Vehicles. ACS Energy Letters, 2020, 5, 3221-3223.	8.8	151
2	Self-assembled materials for electrochemical energy storage. MRS Bulletin, 2020, 45, 815-822.	1.7	7
3	A functionalized metal organic framework-laden nanoporous polymer electrolyte for exceptionally stable lithium electrodeposition. Chemical Communications, 2020, 56, 15533-15536.	2.2	20
4	A Perspective on interfacial engineering of lithium metal anodes and beyond. Applied Physics Letters, 2020, 117, .	1.5	18
5	Interface engineering of inorganic solid-state electrolytes for high-performance lithium metal batteries. Energy and Environmental Science, 2020, 13, 3780-3822.	15.6	96
6	Sulfide and Oxide Inorganic Solid Electrolytes for All-Solid-State Li Batteries: A Review. Nanomaterials, 2020, 10, 1606.	1.9	179
7	Solid Electrolytes for High-Temperature Stable Batteries and Supercapacitors. Advanced Energy Materials, 2021, 11, 2002869.	10.2	64
8	Molten salt assisted synthesis of pitch derived carbon for Zn ion hybrid supercapacitors. Materials Research Bulletin, 2021, 135, 111134.	2.7	60
9	Atomistic analysis of Li migration in Li _{1-x} AlTi _{2-x} (PO ₄) ₃ (LATP) solid electrolytes. Solid State Ionics, 2021, 359, 115521.	1.3	23
10	High-voltage liquid electrolytes for Li batteries: progress and perspectives. Chemical Society Reviews, 2021, 50, 10486-10566.	18.7	391
11	Metal Halide Superionic Conductors for All-Solid-State Batteries. Accounts of Chemical Research, 2021, 54, 1023-1033.	7.6	105
12	New Cost-Effective Halide Solid Electrolytes for All-Solid-State Batteries: Mechanochemically Prepared Fe ³⁺ -Substituted Li ₂ ZrCl ₆ . Advanced Energy Materials, 2021, 11, 2003190.	10.2	132
13	Application of <i>in situ</i> characterization techniques in all-solid-state lithium batteries. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 198102.	0.2	15
14	Recent advances and perspectives on thin electrolytes for high-energy-density solid-state lithium batteries. Energy and Environmental Science, 2021, 14, 643-671.	15.6	200
15	New insights into Li distribution in the superionic argyrodite Li ₆ PS ₅ Cl. Chemical Communications, 2021, 57, 10787-10790.	2.2	11
16	Compatibility assessment of solid ceramic electrolytes and active materials based on thermal dilatation for the development of solid-state batteries. Materials Advances, 2021, 2, 2989-2999.	2.6	12
17	<i>In situ</i> polymerization process: an essential design tool for lithium polymer batteries. Energy and Environmental Science, 2021, 14, 2708-2788.	15.6	140
18	Functional polymers in electrolyte optimization and interphase design for lithium metal anodes. Journal of Materials Chemistry A, 2021, 9, 13388-13401.	5.2	43

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19	Integrated interface between composite electrolyte and cathode with low resistance enables ultra-long cycle-lifetime in solid-state lithium-metal batteries. <i>Science China Chemistry</i> , 2021, 64, 673-680.	4.2	16
20	Recent developments in materials design for all-solid-state Li ⁺ S batteries. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 283-308.	6.8	15
21	Interface Aspects in All-Solid-State Li ⁺ -Based Batteries Reviewed. <i>Advanced Energy Materials</i> , 2021, 11, 2003939.	10.2	66
22	Progress and perspective of interface design in garnet electrolyte-based all-solid-state batteries. , 2021, 3, 385-409.		28
23	Critical Current Density in Solid-State Lithium Metal Batteries: Mechanism, Influences, and Strategies. <i>Advanced Functional Materials</i> , 2021, 31, 2009925.	7.8	239
24	Interfacial compatibility issues in rechargeable solid-state lithium metal batteries: a review. <i>Science China Chemistry</i> , 2021, 64, 879-898.	4.2	28
25	Operando Characterization Techniques for All-Solid-State Lithium-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100004.	2.8	38
26	The Stack Pressure Dilemma in Sulfide Electrolyte Based Li Metal Solid-State Batteries: A Case Study with Li ₆ PS ₅ Cl Solid Electrolyte. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100206.	1.9	42
27	Interactions are important: Linking multi-physics mechanisms to the performance and degradation of solid-state batteries. <i>Materials Today</i> , 2021, 49, 145-183.	8.3	51
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30	Fabrication of High-Quality Thin Solid-State Electrolyte Films Assisted by Machine Learning. <i>ACS Energy Letters</i> , 0, , 1639-1648.	8.8	53
31	New Hybrid Organic-Inorganic Thin Films by Molecular Layer Deposition for Rechargeable Batteries. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	4
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38	Particles in composite polymer electrolyte for solid-state lithium batteries: A review. <i>Particuology</i> , 2022, 60, 14-36.	2.0	57
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40	Effects of Substituting S with Cl on the Structural and Electrochemical Characteristics of Na ₃ SbS ₄ Solid Electrolytes. <i>ACS Applied Energy Materials</i> , 2021, 4, 6125-6134.	2.5	28
41	Unlocking the Failure Mechanism of Solid State Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100748.	10.2	129
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52	Developments in controlled environmental transfer for Li-based battery materials: From sample preparation to SEM investigation. <i>Microscopy and Microanalysis</i> , 2021, 27, 1844-1845.	0.2	0
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#	ARTICLE	IF	CITATIONS
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