

More pressure needed

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of metallic lithium: from nano to bulk scales. <i>Acta Materialia</i> , 2020, 186, 215-222.	7.9	103
2	Nanomaterials for implantable batteries to power cardiac devices. <i>Materials Today Nano</i> , 2020, 9, 100070.	4.6	9
3	Physicochemical Concepts of the Lithium Metal Anode in Solid-State Batteries. <i>Chemical Reviews</i> , 2020, 120, 7745-7794.	47.7	468
4	Mitigating Interfacial Instability in Polymer Electrolyte-Based Solid-State Lithium Metal Batteries with 4 V Cathodes. <i>ACS Energy Letters</i> , 2020, 5, 3244-3253.	17.4	93
5	Establishing Ultralow Activation Energies for Lithium Transport in Garnet Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32806-32816.	8.0	45
6	Advanced characterization techniques for solid state lithium battery research. <i>Materials Today</i> , 2020, 36, 139-157.	14.2	86
7	Elastic and Plastic Characteristics of Sodium Metal. <i>ACS Applied Energy Materials</i> , 2020, 3, 1759-1767.	5.1	33
8	Room-Temperature Solid-State Lithium-Ion Battery Using a LiBH_4/MgO Composite Electrolyte. <i>ACS Applied Energy Materials</i> , 2021, 4, 1228-1236.	5.1	45
9	Interface Aspects in All-Solid-State Li-Based Batteries Reviewed. <i>Advanced Energy Materials</i> , 2021, 11, 2003939.	19.5	66
10	Compressive creep deformation of lithium foil at varied cell conditions. <i>Journal of Power Sources</i> , 2021, 488, 229404.	7.8	18
11	Lithium solid-state batteries: State-of-the-art and challenges for materials, interfaces and processing. <i>Journal of Power Sources</i> , 2021, 502, 229919.	7.8	92
12	Characterizing the mechanical behavior of lithium in compression. <i>Journal of Materials Research</i> , 2021, 36, 729-739.	2.6	15
13	Mechanical failures in solid-state lithium batteries and their solution. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 226201.	0.5	5
14	The effect of aspect ratio on the mechanical behavior of Li metal in solid-state cells. <i>Journal of Power Sources</i> , 2022, 520, 230831.	7.8	20
15	External pressure: An overlooked metric in evaluating next-generation battery performance. <i>Current Opinion in Electrochemistry</i> , 2022, 31, 100916.	4.8	3
16	Perspective on design and technical challenges of Li-garnet solid-state batteries. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 41-48.	6.1	15
17	On the feasibility of all-solid-state batteries with LLZO as a single electrolyte. <i>Scientific Reports</i> , 2022, 12, 1177.	3.3	35
18	Challenges, interface engineering, and processing strategies toward practical sulfide-based all-solid-state lithium batteries. <i>Informa Mater</i> , 2022, 4, .	17.3	92

#	ARTICLE	IF	CITATIONS
19	Effect of Environment on Nanoindentation Induced Cracking in Ta-Doped $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Garnet. SSRN Electronic Journal, 0, .	0.4	0
20	Laplace-Fourier transform solution to the electrochemical kinetics of a symmetric lithium cell affected by interface conformity. Journal of Power Sources, 2022, 531, 231305.	7.8	9
21	A phase field electro-chemo-mechanical formulation for predicting void evolution at the Li^+ electrolyte interface in all-solid-state batteries. Journal of the Mechanics and Physics of Solids, 2022, 167, 104999.	4.8	26
22	Hydrated lithium Li^+ -boranes for solid Li^+ liquid hybrid batteries. Sustainable Energy and Fuels, 0, .	4.9	1
23	LiAlO_2 -coated $\text{LiNi}_0.8\text{Co}_0.1\text{Mn}_0.1\text{O}_2$ and chlorine-rich argyrodite enabling high-performance all-solid-state lithium batteries at suitable stack pressure. Ceramics International, 2023, 49, 443-449.	4.8	19
24	Improving the Cycle Life of Solid-State Batteries by Addition of Oxide Nanoparticles to a Complex Hydride Solid Electrolyte. Journal of Physical Chemistry C, 2023, 127, 3988-3995.	3.1	3
25	Elastic and plastic mechanical properties of lithium measured by nanoindentation. Materials and Design, 2023, 233, 112200.	7.0	1
26	Critical Current Density Measurements of Argyrodite $\text{Li}_6\text{PS}_5\text{Cl}$ Solid Electrolyte at Ambient Pressure. Journal of the Electrochemical Society, 2023, 170, 100525.	2.9	1
27	Optimizing Current Collector Interfaces for Efficient $\text{Anode-Free}^{\bullet}$ Lithium Metal Batteries. Advanced Functional Materials, 2024, 34, .	14.9	2
28	Comprehending garnet solid electrolytes and interfaces in all-solid lithium-ion batteries. Materials Today Sustainability, 2024, 25, 100614.	4.1	0
29	Robust All-Solid-State Lithium Metal Batteries Enabled by a Composite Lithium Anode with Improved Bulk Li Diffusion Kinetics Properties. ACS Nano, 2023, 17, 24290-24298.	14.6	1
30	Modeling and simulation of a composite solid-state battery: The effects of stack pressure on electrochemical and mechanical behavior. Journal of Energy Storage, 2024, 78, 110051.	8.1	0
31	Lithium Metal under Static and Dynamic Mechanical Loading. Batteries, 2024, 10, 20.	4.5	0
32	Phase Field Modeling of Pressure Induced Densification in Solid Electrolytes. Jom, 2024, 76, 1180-1191.	1.9	0