

Michael J Wang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,595
citations

623734

14
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

2409
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and stretchable power sources for wearable electronics. <i>Science Advances</i> , 2017, 3, e1602051.	10.3	323
2	Characterizing the Li-Solid-Electrolyte Interface Dynamics as a Function of Stack Pressure and Current Density. <i>Joule</i> , 2019, 3, 2165-2178.	24.0	298
3	Demonstration of high current densities and extended cycling in the garnet Li ₇ La ₃ Zr ₂ O ₁₂ solid electrolyte. <i>Journal of Power Sources</i> , 2018, 396, 314-318.	7.8	127
4	Temperature dependent flux balance of the Li/Li ₇ La ₃ Zr ₂ O ₁₂ interface. <i>Electrochimica Acta</i> , 2019, 296, 842-847.	5.2	120
5	Enabling "lithium-free" manufacturing of pure lithium metal solid-state batteries through in situ plating. <i>Nature Communications</i> , 2020, 11, 5201.	12.8	101
6	Sodium Plating from Na ⁺ /Al ₂ O ₃ Alumina Ceramics at Room Temperature, Paving the Way for Fast Charging All-Solid-State Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1902899.	19.5	99
7	Transitioning solid-state batteries from lab to market: Linking electro-chemo-mechanics with practical considerations. <i>Joule</i> , 2021, 5, 1371-1390.	24.0	92
8	Helical van der Waals crystals with discretized Eshelby twist. <i>Nature</i> , 2019, 570, 358-362.	27.8	91
9	Correlating the interface resistance and surface adhesion of the Li metal-solid electrolyte interface. <i>Journal of Power Sources</i> , 2018, 377, 7-11.	7.8	85
10	Fabrication of a High-Performance Flexible Silver-Zinc Wire Battery. <i>Advanced Electronic Materials</i> , 2016, 2, 1500296.	5.1	69
11	Mixed Electronic and Ionic Conduction Properties of Lithium Lanthanum Titanate. <i>Advanced Functional Materials</i> , 2020, 30, 1909140.	14.9	51
12	Evolving contact mechanics and microstructure formation dynamics of the lithium metal-Li ₇ La ₃ Zr ₂ O ₁₂ interface. <i>Nature Communications</i> , 2021, 12, 6369.	12.8	26
13	Three-dimensional Architecture Enabled by Strained Two-dimensional Material Heterojunction. <i>Nano Letters</i> , 2018, 18, 1819-1825.	9.1	24
14	Analysis of elastic, plastic, and creep properties of sodium metal and implications for solid-state batteries. <i>Materialia</i> , 2020, 12, 100792.	2.7	20
15	Dramatic reduction in the densification temperature of garnet-type solid electrolytes. <i>Ionics</i> , 2018, 24, 1861-1868.	2.4	14
16	The Effect of Mechanical State on the Equilibrium Potential of Alkali Metal/Ceramic Single-Ion Conductor Systems. <i>Advanced Energy Materials</i> , 2021, 11, 2101355.	19.5	14
17	Hexagonal-WO ₃ nanorods encapsulated in nitrogen and sulfur co-doped reduced graphene oxide as a high-performance anode material for lithium ion batteries. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121068.	2.9	11
18	The Effects of Electric Field Distribution on the Interface Stability in Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2020, 167, 140501.	2.9	11

#	ARTICLE	IF	CITATIONS
19	Self-Adaptive, Deadline-Aware Resource Control in Cloud Computing., 2013, , .		6
20	Fast Li-Ion Conduction in Spinel-Structured Solids. Molecules, 2021, 26, 2625.	3.8	4
21	Dependence of Solid-State Metal Battery Thermodynamics on Interfacial Mechanics. ECS Meeting Abstracts, 2021, MA2021-01, 319-319.	0.0	0