Michael J Wang

List of Publications by Year
in descending order

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	Fast Li-Ion Conduction in Spinel-Structured Solids. Molecules, 2021, 26, 2625.	3.8	4
2	Dependence of Solid-State Metal Battery Thermodynamics on Interfacial Mechanics. ECS Meeting Abstracts, 2021, MA2021-01, 319-319.	0.0	0
3	Transitioning solid-state batteries from lab to market: Linking electro-chemo-mechanics with practical considerations. Joule, 2021, 5, 1371-1390.	24.0	92
4	The Effect of Mechanical State on the Equilibrium Potential of Alkali Metal/Ceramic Singleâ€Ion Conductor Systems. Advanced Energy Materials, 2021, 11, 2101355.	19.5	14
5	Evolving contact mechanics and microstructure formation dynamics of the lithium metal-Li7La3Zr2O12 interface. Nature Communications, 2021, 12, 6369.	12.8	26
6	Hexagonal-WO3 nanorods encapsulated in nitrogen and sulfur co-doped reduced graphene oxide as a high-performance anode material for lithium ion batteries. Journal of Solid State Chemistry, 2020, 282, 121068.	2.9	11
7	Sodium Plating from Naâ€Î²â€³â€Alumina Ceramics at Room Temperature, Paving the Way for Fastâ€Charging Allâ€Solidâ€State Batteries. Advanced Energy Materials, 2020, 10, 1902899.	19.5	99
8	Enabling â€œlithium-freeâ€•manufacturing of pure lithium metal solid-state batteries through in situ plating. Nature Communications, 2020, 11, 5201.	12.8	101
9	Analysis of elastic, plastic, and creep properties of sodium metal and implications for solid-state batteries. Materialia, 2020, 12, 100792.	2.7	20
10	Mixed Electronic and Ionic Conduction Properties of Lithium Lanthanum Titanate. Advanced Functional Materials, 2020, 30, 1909140.	14.9	51
11	The Effects of Electric Field Distribution on the Interface Stability in Solid Electrolytes. Journal of the Electrochemical Society, 2020, 167, 140501.	2.9	11
12	Characterizing the Li-Solid-Electrolyte Interface Dynamics as a Function of Stack Pressure and Current Density. Joule, 2019, 3, 2165-2178.	24.0	298
13	Helical van der Waals crystals with discretized Eshelby twist. Nature, 2019, 570, 358-362.	27.8	91
14	Temperature dependent flux balance of the Li/Li7La3Zr2O12 interface. Electrochimica Acta, 2019, 296, 842-847.	5.2	120
15	Three-dimensional Architecture Enabled by Strained Two-dimensional Material Heterojunction. Nano Letters, 2018, 18, 1819-1825.	9.1	24
16	Dramatic reduction in the densification temperature of garnet-type solid electrolytes. Ionics, 2018, 24, 1861-1868.	2.4	14
17	Correlating the interface resistance and surface adhesion of the Li metal-solid electrolyte interface. Journal of Power Sources, 2018, 377, 7-11.	7.8	85
18	Demonstration of high current densities and extended cycling in the garnet Li7La3Zr2O12 solid electrolyte. Journal of Power Sources, 2018, 396, 314-318.	7.8	127

#	Article	IF	Citations
19	Flexible and stretchable power sources for wearable electronics. Science Advances, 2017, 3, e1602051.	10.3	323
20	Fabrication of a Highâ€Performance Flexible Silverâ€“Zinc Wire Battery. Advanced Electronic Materials, 2016, 2, 1500296.	5.1	69
21	Self-Adaptive, Deadline-Aware Resource Control in Cloud Computing. , 2013, , .		6