

Dominik A Weber

List of Publications by Year in descending order

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16
papers

2,586
citations

687363

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940533

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16
docs citations

16
times ranked

2763
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking the performance of all-solid-state lithium batteries. <i>Nature Energy</i> , 2020, 5, 259-270.	39.5	662
2	Interfacial Processes and Influence of Composite Cathode Microstructure Controlling the Performance of All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17835-17845.	8.0	353
3	Dynamic formation of a solid-liquid electrolyte interphase and its consequences for hybrid-battery concepts. <i>Nature Chemistry</i> , 2016, 8, 426-434.	13.6	340
4	The Detrimental Effects of Carbon Additives in $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ -Based Solid-State Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35888-35896.	8.0	257
5	Lithium ion conductivity in $\text{Li}_2\text{S-P}_2\text{S}_5$ glasses " building units and local structure evolution during the crystallization of superionic conductors Li_3PS_4 , $\text{Li}_7\text{P}_3\text{S}_{11}$ and $\text{Li}_4\text{P}_2\text{S}_7$. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18111-18119.	10.3	233
6	Microstructural Modeling of Composite Cathodes for All-Solid-State Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1626-1634.	3.1	139
7	Influence of NCM Particle Cracking on Kinetics of Lithium-Ion Batteries with Liquid or Solid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2020, 167, 100532.	2.9	134
8	Modeling Effective Ionic Conductivity and Binder Influence in Composite Cathodes for All-Solid-State Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12821-12833.	8.0	126
9	Local Structural Investigations, Defect Formation, and Ionic Conductivity of the Lithium Ionic Conductor $\text{Li}_4\text{P}_2\text{S}_6$. <i>Chemistry of Materials</i> , 2016, 28, 8764-8773.	6.7	111
10	Synthesis, Structural Characterization, and Lithium Ion Conductivity of the Lithium Thiophosphate $\text{Li}_2\text{P}_2\text{S}_6$. <i>Inorganic Chemistry</i> , 2017, 56, 6681-6687.	4.0	98
11	Investigation of Fluorine and Nitrogen as Anionic Dopants in Nickel-Rich Cathode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44452-44462.	8.0	63
12	Macroscopic Displacement Reaction of Copper Sulfide in Lithium Solid-State Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002394.	19.5	37
13	The Formation of the Solid/Liquid Electrolyte Interphase (SLEI) on NASICON-Type Glass Ceramics and LiPON. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000380.	3.7	23
14	Synthesis and characterization of metastable transition metal oxides and oxide nitrides. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 3-14.	0.8	5
15	Physical properties and lattice dynamics of bixbyite-type V_2O_3 . <i>Journal of Materials Research</i> , 2017, 32, 2397-2404.	2.6	3
16	Synthese und Kristallstrukturen der neuen Metallfluoridhydrate $\text{V}_2\text{F}_6 \cdot 4\text{H}_2\text{O}$ und $\text{Mn}_3\text{F}_8 \cdot 2\text{H}_2\text{O}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2061-2061.	1.2	2