

Maxwell C Schulze

List of Publications by Year in descending order

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19
papers

654
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical Evaluation of Potentiostatic Holds as Accelerated Predictors of Capacity Fade during Calendar Aging. <i>Journal of the Electrochemical Society</i> , 2022, 169, 050531.	2.9	16
2	Evaluating the Effect of Electrolyte Additive Functionalities on NMC622/Si Cell Performance. <i>Journal of the Electrochemical Society</i> , 2022, 169, 070515.	2.9	6
3	Understanding why poly(acrylic acid) works: decarbonylation and cross-linking provide an ionically conductive passivation layer in silicon anodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21929-21938.	10.3	6
4	Half-Cell Cumulative Efficiency Forecasts Full-Cell Capacity Retention in Lithium-Ion Batteries. <i>ACS Energy Letters</i> , 2021, 6, 1082-1086.	17.4	34
5	Hydrophobic versus Hydrophilic Interfacial Coatings on Silicon Nanoparticles Teach Us How to Design the Solid Electrolyte Interphase in Silicon-Based Li-Ion Battery Anodes. <i>ACS Applied Energy Materials</i> , 2021, 4, 1628-1636.	5.1	21
6	X-ray photoelectron spectroscopy as a probe for understanding the potential-dependent impact of fluoroethylene carbonate on the solid electrolyte interface formation in Na/Cu ₂ Sb batteries. <i>Journal of Power Sources</i> , 2021, 489, 229171.	7.8	8
7	Lowering the Activation Barriers for Lithium-Ion Conductivity through Orientational Disorder in the Cyanide Argyrodite Li ₆ PS ₅ CN. <i>Chemistry of Materials</i> , 2021, 33, 5127-5136.	6.7	17
8	Calendar aging of silicon-containing batteries. <i>Nature Energy</i> , 2021, 6, 866-872.	39.5	137
9	Mixed-conducting properties of annealed polyacrylonitrile activated by n-doping of conjugated domains. <i>Chemical Science</i> , 2021, 13, 225-235.	7.4	4
10	Li ₂ O-Based Cathode Additives Enabling Prelithiation of Si Anodes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 12027.	2.5	12
11	Electrodeposition of Sb/CNT composite films as anodes for Li- and Na-ion batteries. <i>Energy Storage Materials</i> , 2020, 25, 572-584.	18.0	71
12	SiO ₂ Is Wasted Space in Single-Nanometer-Scale Silicon Nanoparticle-Based Composite Anodes for Li-Ion Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 10993-11001.	5.1	11
13	Electrodeposited thin-film Cu _x Sb anodes for Li-ion batteries: enhancement of cycle life <i>via</i> tuning of film composition and engineering of the film-substrate interface. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12708-12717.	10.3	22
14	Synthesis and Characterization of N ³ -(2,2,2-Trinitroethyl)-1,2,4-Oxadiazole-3,5-Diamine. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 737-739.	1.2	9
15	Synthesis and Characterization of Energetic Plasticizer AMDNNM. <i>Journal of Energetic Materials</i> , 2016, 34, 129-137.	2.0	7
16	A high density pyrazolo-triazine explosive (PTX). <i>Journal of Materials Chemistry A</i> , 2015, 3, 17963-17965.	10.3	147
17	Shape-directed platinum nanoparticle synthesis: nanoscale design of novel catalysts. <i>Applied Organometallic Chemistry</i> , 2014, 28, 1-17.	3.5	91
18	Shape-directional growth of Pt and Pd nanoparticles. <i>Nanoscale</i> , 2014, 6, 11364-11371.	5.6	20

#	ARTICLE	IF	CITATIONS
19	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	3.7	15