

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	A high density pyrazolo-triazine explosive (PTX). Journal of Materials Chemistry A, 2015, 3, 17963-17965.	10.3	147
2	Calendar aging of silicon-containing batteries. Nature Energy, 2021, 6, 866-872.	39.5	137
3	Shape-directed platinum nanoparticle synthesis: nanoscale design of novel catalysts. Applied Organometallic Chemistry, 2014, 28, 1-17.	3.5	91
4	Electrodeposition of Sb/CNT composite films as anodes for Li- and Na-ion batteries. Energy Storage Materials, 2020, 25, 572-584.	18.0	71
5	Half-Cell Cumulative Efficiency Forecasts Full-Cell Capacity Retention in Lithium-Ion Batteries. ACS Energy Letters, 2021, 6, 1082-1086.	17.4	34
6	Electrodeposited thin-film Cu _x Sb anodes for Li-ion batteries: enhancement of cycle life via tuning of film composition and engineering of the film-substrate interface. Journal of Materials Chemistry A, 2018, 6, 12708-12717.	10.3	22
7	Hydrophobic versus Hydrophilic Interfacial Coatings on Silicon Nanoparticles Teach Us How to Design the Solid Electrolyte Interphase in Silicon-Based Li-Ion Battery Anodes. ACS Applied Energy Materials, 2021, 4, 1628-1636.	5.1	21
8	Shape-directional growth of Pt and Pd nanoparticles. Nanoscale, 2014, 6, 11364-11371.	5.6	20
9	Lowering the Activation Barriers for Lithium-Ion Conductivity through Orientational Disorder in the Cyanide Argyrodite Li ₆ PS ₅ CN. Chemistry of Materials, 2021, 33, 5127-5136.	6.7	17
10	Critical Evaluation of Potentiostatic Holds as Accelerated Predictors of Capacity Fade during Calendar Aging. Journal of the Electrochemical Society, 2022, 169, 050531.	2.9	16
11	Controlled Synthesis of Nanoscale Icosahedral Gold Particles at Room Temperature. ChemCatChem, 2012, 4, 1662-1667.	3.7	15
12	Li ₂ O-Based Cathode Additives Enabling Prelithiation of Si Anodes. Applied Sciences (Switzerland), 2021, 11, 12027.	2.5	12
13	SiO ₂ Is Wasted Space in Single-Nanometer-Scale Silicon Nanoparticle-Based Composite Anodes for Li-Ion Electrochemical Energy Storage. ACS Applied Energy Materials, 2020, 3, 10993-11001.	5.1	11
14	Synthesis and Characterization of N 3 -(2,2,2-Trinitroethyl)-1,2,4-Oxadiazole-3,5-Diamine. Chemistry of Heterocyclic Compounds, 2017, 53, 737-739.	1.2	9
15	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. Journal of Power Sources, 2021, 489, 229171.	7.8	8
16	Synthesis and Characterization of Energetic Plasticizer AMDNNM. Journal of Energetic Materials, 2016, 34, 129-137.	2.0	7
17	Understanding why poly(acrylic acid) works: decarbonylation and cross-linking provide an ionically conductive passivation layer in silicon anodes. Journal of Materials Chemistry A, 2021, 9, 21929-21938.	10.3	6
18	Evaluating the Effect of Electrolyte Additive Functionalities on NMC622/Si Cell Performance. Journal of the Electrochemical Society, 2022, 169, 070515.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Mixed-conducting properties of annealed polyacrylonitrile activated by n-doping of conjugated domains. <i>Chemical Science</i> , 2021, 13, 225-235.	7.4	4