

Ying Shi

List of Publications by Year in descending order

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11
papers

237
citations

1937685
4
h-index

2272923
4
g-index

11
all docs

11
docs citations

11
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation mechanisms of high capacity 18650 cells containing Si-graphite anode and nickel-rich NMC cathode. <i>Electrochimica Acta</i> , 2019, 297, 1109-1120.	5.2	105
2	Modeling stationary lithium-ion batteries for optimization and predictive control. , 2017, , .		30
3	Fast Determination of Lithium Content in Spent Cathodes for Direct Battery Recycling. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000073.	5.3	23
4	From Battery Cell to Electrodes: Real-Time Estimation of Charge and Health of Individual Battery Electrodes. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2167-2175.	7.9	20
5	Degradation mechanisms and lifetime prediction for lithium-ion batteries — A control perspective. , 2015, , .		19
6	Identification and remediation of sulfation in lead-acid batteries using cell voltage and pressure sensing. <i>Journal of Power Sources</i> , 2013, 221, 177-185.	7.8	17
7	Life prediction of large lithium-ion battery packs with active and passive balancing. , 2017, , .		8
8	Optimal battery utilization over lifetime for parallel hybrid electric vehicle to maximize fuel economy. , 2016, , .		7
9	A multi-node thermal system model for lithium-ion battery packs. , 2015, , .		5
10	Safer Batteries via Active Fault Tolerant Control. , 2019, , .		3
11	A control-oriented model for lead-acid batteries including degradation. , 2013, , .		0