

Li Xiaoyu

List of Publications by Year in descending order

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36
papers

2,309
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Remaining useful life prediction for lithium-ion batteries based on a hybrid model combining the long short-term memory and Elman neural networks. <i>Journal of Energy Storage</i> , 2019, 21, 510-518.	8.1	271
2	State-of-health estimation for Li-ion batteries by combing the incremental capacity analysis method with grey relational analysis. <i>Journal of Power Sources</i> , 2019, 410-411, 106-114.	7.8	255
3	State of health estimation for Li-Ion battery using incremental capacity analysis and Gaussian process regression. <i>Energy</i> , 2020, 190, 116467.	8.8	237
4	Prognostic health condition for lithium battery using the partial incremental capacity and Gaussian process regression. <i>Journal of Power Sources</i> , 2019, 421, 56-67.	7.8	206
5	Co-estimation of capacity and state-of-charge for lithium-ion batteries in electric vehicles. <i>Energy</i> , 2019, 174, 33-44.	8.8	180
6	State of health estimation for Li-ion battery via partial incremental capacity analysis based on support vector regression. <i>Energy</i> , 2020, 203, 117852.	8.8	167
7	A novel fault diagnosis method for lithium-Ion battery packs of electric vehicles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 116, 402-411.	5.0	131
8	Lithium Battery State-of-Health Estimation via Differential Thermal Voltammetry With Gaussian Process Regression. <i>IEEE Transactions on Transportation Electrification</i> , 2021, 7, 16-25.	7.8	85
9	Multi-time-scale framework for prognostic health condition of lithium battery using modified Gaussian process regression and nonlinear regression. <i>Journal of Power Sources</i> , 2020, 467, 228358.	7.8	79
10	Lithium-ion batteries fault diagnostic for electric vehicles using sample entropy analysis method. <i>Journal of Energy Storage</i> , 2020, 27, 101121.	8.1	73
11	Comparisons of Modeling and State of Charge Estimation for Lithium-Ion Battery Based on Fractional Order and Integral Order Methods. <i>Energies</i> , 2016, 9, 184.	3.1	64
12	State-of-charge estimation tolerant of battery aging based on a physics-based model and an adaptive cubature Kalman filter. <i>Energy</i> , 2021, 220, 119767.	8.8	55
13	State of energy estimation for a series-connected lithium-ion battery pack based on an adaptive weighted strategy. <i>Energy</i> , 2021, 214, 118858.	8.8	51
14	A Crossed DD Geometry and Its Double-Coil Excitation Method for Electric Vehicle Dynamic Wireless Charging Systems. <i>IEEE Access</i> , 2018, 6, 45120-45128.	4.2	50
15	Case Study of an Electric Vehicle Battery Thermal Runaway and Online Internal Short-Circuit Detection. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 2452-2455.	7.9	49
16	Lithium battery state-of-health estimation and remaining useful lifetime prediction based on non-parametric aging model and particle filter algorithm. <i>ETransportation</i> , 2022, 11, 100156.	14.8	49
17	An On-Board Remaining Useful Life Estimation Algorithm for Lithium-Ion Batteries of Electric Vehicles. <i>Energies</i> , 2017, 10, 691.	3.1	48
18	A partial charging curve-based data-fusion-model method for capacity estimation of Li-Ion battery. <i>Journal of Power Sources</i> , 2021, 483, 229131.	7.8	44

#	ARTICLE	IF	CITATIONS
19	A Novel State of Charge Estimation Algorithm for Lithium-Ion Battery Packs of Electric Vehicles. <i>Energies</i> , 2016, 9, 710.	3.1	34
20	Driving cycles construction for electric vehicles considering road environment: A case study in Beijing. <i>Applied Energy</i> , 2019, 253, 113514.	10.1	33
21	Driving Cycle Construction for Electric Vehicles Based on Markov Chain and Monte Carlo Method: A Case Study in Beijing. <i>Energy Procedia</i> , 2019, 158, 2494-2499.	1.8	25
22	A data-fusion framework for lithium battery health condition Estimation Based on differential thermal voltammetry. <i>Energy</i> , 2022, 239, 122206.	8.8	19
23	Multi-state joint estimation for a lithium-ion hybrid capacitor over a wide temperature range. <i>Journal of Power Sources</i> , 2020, 479, 228677.	7.8	17
24	Energy consumption analysis of a parallel PHEV with different configurations based on a typical driving cycle. <i>Energy Reports</i> , 2021, 7, 254-265.	5.1	15
25	Global Sensitivity Analysis on Temperature-Dependent Parameters of A Reduced-Order Electrochemical Model And Robust State-of-Charge Estimation at Different Temperatures. <i>Energy</i> , 2021, 223, 120024.	8.8	14
26	LiFePO ₄ battery charging strategy design considering temperature rise minimization. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, .	2.0	11
27	Battery Pack Grouping and Capacity Improvement for Electric Vehicles Based on a Genetic Algorithm. <i>Energies</i> , 2017, 10, 439.	3.1	10
28	Modeling and comparative analysis of a lithium-ion hybrid capacitor under different temperature conditions. <i>International Journal of Energy Research</i> , 2020, 44, 3801-3820.	4.5	8
29	Multiphysical field measurement and fusion for battery electric-thermal-contour performance analysis. <i>Applied Energy</i> , 2020, 262, 114518.	10.1	7
30	Lumped-parameter temperature evolution model for cylindrical Li-ion batteries considering reversible heat and propagation delay. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108567.	5.0	7
31	A flexible method for state-of-health estimation of lithium battery energy storage system. <i>Energy Reports</i> , 2021, 7, 6375-6383.	5.1	6
32	Battery Pack State of Health Prediction Based on the Electric Vehicle Management Platform Data. <i>World Electric Vehicle Journal</i> , 2021, 12, 204.	3.0	4
33	Amphiphilic Block Copolymer Micelles for Gene Delivery. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1368-1379.	2.6	3
34	An optimal charging algorithm for lithium-ion batteries considering temperature rise minimization. , 2017, , .		1
35	A Multi-Particle Physics-Based Model of a Lithium-Ion Battery for Fast-Charging Control Application. <i>World Electric Vehicle Journal</i> , 2021, 12, 196.	3.0	1
36	State of Charge Estimation for Under-Sampled Battery Data Based on LSTM with Empirical Mode Decomposition and a Compensation Strategy. , 2021, , .		0