Li Xiaoyu

List of Publications by Year
in descending order

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	A data-fusion framework for lithium battery health condition Estimation Based on differential thermal voltammetry. Energy, 2022, 239, 122206.	8.8	19
2	Lithium battery state-of-health estimation and remaining useful lifetime prediction based on non-parametric aging model and particle filter algorithm. ETransportation, 2022, 11, 100156.	14.8	49
3	Amphiphilic Block Copolymer Micelles for Gene Delivery. Chemical Research in Chinese Universities, 2022, 38, 1368-1379.	2.6	3
4	Case Study of an Electric Vehicle Battery Thermal Runaway and Online Internal Short-Circuit Detection. IEEE Transactions on Power Electronics, 2021, 36, 2452-2455.	7.9	49
5	Lithium Battery State-of-Health Estimation via Differential Thermal Voltammetry With Gaussian Process Regression. IEEE Transactions on Transportation Electrification, 2021, 7, 16-25.	7.8	85
6	State of energy estimation for a series-connected lithium-ion battery pack based on an adaptive weighted strategy. Energy, 2021, 214, 118858.	8.8	51
7	A partial charging curve-based data-fusion-model method for capacity estimation of Li-Ion battery. Journal of Power Sources, 2021, 483, 229131.	7.8	44
8	Lumped-parameter temperature evolution model for cylindrical Li-ion batteries considering reversible heat and propagation delay. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108567.	5.0	7
9	State-of-charge estimation tolerant of battery aging based on a physics-based model and an adaptive cubature Kalman filter. Energy, 2021, 220, 119767.	8.8	55
10	Global Sensitivity Analysis on Temperature-Dependent Parameters of A Reduced-Order Electrochemical Model And Robust State-of-Charge Estimation at Different Temperatures. Energy, 2021, 223, 120024.	8.8	14
11	Energy consumption analysis of a parallel PHEV with different configurations based on a typical driving cycle. Energy Reports, 2021, 7, 254-265.	5.1	15
12	State of Charge Estimation for Under-Sampled Battery Data Based on LSTM with Empirical Mode Decomposition and a Compensation Strategy. , 2021, , .		0
13	Battery Pack State of Health Prediction Based on the Electric Vehicle Management Platform Data. World Electric Vehicle Journal, 2021, 12, 204.	3.0	4
14	A Multi-Particle Physics-Based Model of a Lithium-Ion Battery for Fast-Charging Control Application. World Electric Vehicle Journal, 2021, 12, 196.	3.0	1
15	A flexible method for state-of-health estimation of lithium battery energy storage system. Energy Reports, 2021, 7, 6375-6383.	5.1	6
16	State of health estimation for Li-Ion battery using incremental capacity analysis and Gaussian process regression. Energy, 2020, 190, 116467.	8.8	237
17	Multi-state joint estimation for a lithium-ion hybrid capacitor over a wide temperature range. Journal of Power Sources, 2020, 479, 228677.	7.8	17
18	State of health estimation for Li-ion battery via partial incremental capacity analysis based on support vector regression. Energy, 2020, 203, 117852.	8.8	167

#	Article	IF	Citations
19	Multi-time-scale framework for prognostic health condition of lithium battery using modified Gaussian process regression and nonlinear regression. Journal of Power Sources, 2020, 467, 228358.	7.8	79
20	Modeling and comparative analysis of a lithiumâ€ion hybrid capacitor under different temperature conditions. International Journal of Energy Research, 2020, 44, 3801-3820.	4.5	8
21	Multiphysical field measurement and fusion for battery electric-thermal-contour performance analysis. Applied Energy, 2020, 262, 114518.	10.1	7
22	Lithium-ion batteries fault diagnostic for electric vehicles using sample entropy analysis method. Journal of Energy Storage, 2020, 27, 101121.	8.1	73
23	Driving cycles construction for electric vehicles considering road environment: A case study in Beijing. Applied Energy, 2019, 253, 113514.	10.1	33
24	Driving Cycle Construction for Electric Vehicles Based on Markov Chain and Monte Carlo Method: A Case Study in Beijing. Energy Procedia, 2019, 158, 2494-2499.	1.8	25
25	Remaining useful life prediction for lithium-ion batteries based on a hybrid model combining the long short-term memory and Elman neural networks. Journal of Energy Storage, 2019, 21, 510-518.	8.1	271
26	Prognostic health condition for lithium battery using the partial incremental capacity and Gaussian process regression. Journal of Power Sources, 2019, 421, 56-67.	7.8	206
27	Co-estimation of capacity and state-of-charge for lithium-ion batteries in electric vehicles. Energy, 2019, 174, 33-44.	8.8	180
28	State-of-health estimation for Li-ion batteries by combing the incremental capacity analysis method with grey relational analysis. Journal of Power Sources, 2019, 410-411, 106-114.	7.8	255
29	A novel fault diagnosis method for lithium-Ion battery packs of electric vehicles. Measurement: Journal of the International Measurement Confederation, 2018, 116, 402-411.	5.0	131
30	A Crossed DD Geometry and Its Double-Coil Excitation Method for Electric Vehicle Dynamic Wireless Charging Systems. IEEE Access, 2018, 6, 45120-45128.	4.2	50
31	LiFePO4 battery charging strategy design considering temperature rise minimization. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	11
32	An optimal charging algorithm for lithium-ion batteries considering temperature rise minimization. , 2017, , .		1
33	Battery Pack Grouping and Capacity Improvement for Electric Vehicles Based on a Genetic Algorithm. Energies, 2017, 10, 439.	3.1	10
34	An On-Board Remaining Useful Life Estimation Algorithm for Lithium-Ion Batteries of Electric Vehicles. Energies, 2017, 10, 691.	3.1	48
35	Comparisons of Modeling and State of Charge Estimation for Lithium-Ion Battery Based on Fractional Order and Integral Order Methods. Energies, 2016, 9, 184.	3.1	64
36	A Novel State of Charge Estimation Algorithm for Lithium-Ion Battery Packs of Electric Vehicles. Energies, 2016, 9, 710.	3.1	34