Jinpeng Tian

List of Publications by Year
in descending order

22 papers	2,470 citations	361413 20 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	1387 citing authors

#	Article	IF	Citations
1	Towards a smarter battery management system: A critical review on battery state of health monitoring methods. Journal of Power Sources, 2018, 405, 18-29.	7.8	577
2	A systematic model-based degradation behavior recognition and health monitoring method for lithium-ion batteries. Applied Energy, 2017, 207, 372-383.	10.1	201
3	Fractional-Order Model-Based Incremental Capacity Analysis for Degradation State Recognition of Lithium-Ion Batteries. IEEE Transactions on Industrial Electronics, 2019, 66, 1576-1584.	7.9	188
4	A Novel Fractional Order Model for State of Charge Estimation in Lithium Ion Batteries. IEEE Transactions on Vehicular Technology, 2019, 68, 4130-4139.	6.3	186
5	State-of-Health Estimation Based on Differential Temperature for Lithium Ion Batteries. IEEE Transactions on Power Electronics, 2020, 35, 10363-10373.	7.9	156
6	Deep neural network battery charging curve prediction using 30 points collected in 10Âmin. Joule, 2021, 5, 1521-1534.	24.0	152
7	State-of-charge estimation of LiFePO4 batteries in electric vehicles: A deep-learning enabled approach. Applied Energy, 2021, 291, 116812.	10.1	151
8	Model-based fault diagnosis approach on external short circuit of lithium-ion battery used in electric vehicles. Applied Energy, 2016, 184, 365-374.	10.1	150
9	Electrode ageing estimation and open circuit voltage reconstruction for lithium ion batteries. Energy Storage Materials, 2021, 37, 283-295.	18.0	124
10	A review on state of health estimation for lithium ion batteries in photovoltaic systems. ETransportation, 2019, 2, 100028.	14.8	95
11	Flexible battery state of health and state of charge estimation using partial charging data and deep learning. Energy Storage Materials, 2022, 51, 372-381.	18.0	84
12	Battery state-of-charge estimation amid dynamic usage with physics-informed deep learning. Energy Storage Materials, 2022, 50, 718-729.	18.0	79
13	Co-Estimation of State of Charge and Capacity for Lithium-Ion Batteries with Multi-Stage Model Fusion Method. Engineering, 2021, 7, 1469-1482.	6.7	61
14	Application of Digital Twin in Smart Battery Management Systems. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	3.7	49
15	Online simultaneous identification of parameters and order of a fractional order battery model. Journal of Cleaner Production, 2020, 247, 119147.	9.3	47
16	Deep neural network battery impedance spectra prediction by only using constant-current curve. Energy Storage Materials, 2021, 41, 24-31.	18.0	44
17	Fractional order battery modelling methodologies for electric vehicle applications: Recent advances and perspectives. Science China Technological Sciences, 2020, 63, 2211-2230.	4.0	31
18	Rapid ultracapacitor life prediction with a convolutional neural network. Applied Energy, 2022, 305, 117819.	10.1	29

#	Article	IF	Citations
19	Frequency and time domain modelling and online state of charge monitoring for ultracapacitors. Energy, 2019, 176, 874-887.	8.8	24
20	A Comparative Study of Fractional Order Models on State of Charge Estimation for Lithium Ion Batteries. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	24
21	Data–driven battery degradation prediction: Forecasting voltage–capacity curves using one–cycle data. EcoMat, 2022, 4, .	11.9	14
22	A Comparative Study on Fractional Order Models for Voltage Simulation of Lithium Ion Batteries. , 2019, , .		4