

Jinpeng Tian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1148487/publications.pdf>

Version: 2024-02-01

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	Rapid ultracapacitor life prediction with a convolutional neural network. <i>Applied Energy</i> , 2022, 305, 117819.	10.1	29
2	Data-driven battery degradation prediction: Forecasting voltage-capacity curves using one-cycle data. <i>EcoMat</i> , 2022, 4, .	11.9	14
3	Battery state-of-charge estimation amid dynamic usage with physics-informed deep learning. <i>Energy Storage Materials</i> , 2022, 50, 718-729.	18.0	79
4	Flexible battery state of health and state of charge estimation using partial charging data and deep learning. <i>Energy Storage Materials</i> , 2022, 51, 372-381.	18.0	84
5	Co-Estimation of State of Charge and Capacity for Lithium-Ion Batteries with Multi-Stage Model Fusion Method. <i>Engineering</i> , 2021, 7, 1469-1482.	6.7	61
6	Electrode ageing estimation and open circuit voltage reconstruction for lithium ion batteries. <i>Energy Storage Materials</i> , 2021, 37, 283-295.	18.0	124
7	State-of-charge estimation of LiFePO ₄ batteries in electric vehicles: A deep-learning enabled approach. <i>Applied Energy</i> , 2021, 291, 116812.	10.1	151
8	Application of Digital Twin in Smart Battery Management Systems. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, .	3.7	49
9	Deep neural network battery charging curve prediction using 30 points collected in 10 min. <i>Joule</i> , 2021, 5, 1521-1534.	24.0	152
10	Deep neural network battery impedance spectra prediction by only using constant-current curve. <i>Energy Storage Materials</i> , 2021, 41, 24-31.	18.0	44
11	Online simultaneous identification of parameters and order of a fractional order battery model. <i>Journal of Cleaner Production</i> , 2020, 247, 119147.	9.3	47
12	Fractional order battery modelling methodologies for electric vehicle applications: Recent advances and perspectives. <i>Science China Technological Sciences</i> , 2020, 63, 2211-2230.	4.0	31
13	State-of-Health Estimation Based on Differential Temperature for Lithium Ion Batteries. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 10363-10373.	7.9	156
14	A Comparative Study of Fractional Order Models on State of Charge Estimation for Lithium Ion Batteries. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020, 33, .	3.7	24
15	A Comparative Study on Fractional Order Models for Voltage Simulation of Lithium Ion Batteries. , 2019, , .		4
16	Frequency and time domain modelling and online state of charge monitoring for ultracapacitors. <i>Energy</i> , 2019, 176, 874-887.	8.8	24
17	A review on state of health estimation for lithium ion batteries in photovoltaic systems. <i>ETransportation</i> , 2019, 2, 100028.	14.8	95
18	A Novel Fractional Order Model for State of Charge Estimation in Lithium Ion Batteries. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 4130-4139.	6.3	186

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A systematic model-based degradation behavior recognition and health monitoring method for lithium-ion batteries. Applied Energy, 2017, 207, 372-383.	10.1	201
22	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