

# Jingwen Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,521  
citations

516710

16  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1283  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-timescale framework for state monitoring and lifetime prognosis of lithium-ion batteries. Energy, 2021, 229, 120684.	8.8	16
2	A physics-based aging model for lithium-ion battery with coupled chemical/mechanical degradation mechanisms. Electrochimica Acta, 2021, 395, 139133.	5.2	34
3	Determination of the load capability for a lithium-ion battery pack using two time-scale filtering. Journal of Power Sources, 2020, 480, 229056.	7.8	7
4	State of Charge and Health Estimation For Lithium-Ion Batteries Using Recursive Least Squares. , 2020, , .		5
5	Voltage fault detection for lithium-ion battery pack using local outlier factor. Measurement: Journal of the International Measurement Confederation, 2019, 146, 544-556.	5.0	72
6	Data-driven lithium-ion battery states estimation using neural networks and particle filtering. International Journal of Energy Research, 2019, 43, 8230.	4.5	37
7	Model-based fault diagnosis of Lithium-ion battery using strong tracking Extended Kalman Filter. Energy Procedia, 2019, 158, 2500-2505.	1.8	22
8	State-of-charge estimation approach of lithium-ion batteries using an improved extended Kalman filter. Energy Procedia, 2019, 158, 5097-5102.	1.8	10
9	A method for remaining discharge time prediction of lithium-ion batteries under dynamic uncertainty. International Journal of Energy Research, 2019, 43, 1760-1774.	4.5	9
10	Particle filter-based state-of-charge estimation and remaining-dischargeable-time prediction method for lithium-ion batteries. Journal of Power Sources, 2019, 414, 158-166.	7.8	119
11	Sequential Monte Carlo Filter for State-of-Charge Estimation of Lithium-Ion Batteries Based on Auto Regressive Exogenous Model. IEEE Transactions on Industrial Electronics, 2019, 66, 8533-8544.	7.9	32
12	Constrained Bayesian dual-filtering for state of charge estimation of lithium-ion batteries. International Journal of Electrical Power and Energy Systems, 2018, 99, 516-524.	5.5	26
13	Remaining Useful Life Prediction and State of Health Diagnosis for Lithium-Ion Batteries Using Particle Filter and Support Vector Regression. IEEE Transactions on Industrial Electronics, 2018, 65, 5634-5643.	7.9	416
14	Battery Health Prognosis Using Brownian Motion Modeling and Particle Filtering. IEEE Transactions on Industrial Electronics, 2018, 65, 8646-8655.	7.9	176
15	Lyapunov-based state of charge diagnosis and health prognosis for lithium-ion batteries. Journal of Power Sources, 2018, 397, 352-360.	7.8	27
16	Remaining dischargeable time prediction for lithium-ion batteries using unscented Kalman filter. Journal of Power Sources, 2017, 364, 316-327.	7.8	64
17	On-board adaptive model for state of charge estimation of lithium-ion batteries based on Kalman filter with proportional integral-based error adjustment. Journal of Power Sources, 2017, 365, 308-319.	7.8	39
18	System state estimation and optimal energy control framework for multicell lithium-ion battery system. Applied Energy, 2017, 187, 37-49.	10.1	65

#	ARTICLE	IF	CITATIONS
19	Kalman filter for onboard state of charge estimation and peak power capability analysis of lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 328, 615-626.	7.8	87
20	Online state of charge estimation and open circuit voltage hysteresis modeling of LiFePO <sub>4</sub> battery using invariant imbedding method. <i>Applied Energy</i> , 2016, 162, 163-171.	10.1	144
21	An online model-based method for state of energy estimation of lithium-ion batteries using dual filters. <i>Journal of Power Sources</i> , 2016, 301, 277-286.	7.8	114