

# Dong Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6197618/publications.pdf>

Version: 2024-02-01

18  
papers

260  
citations

1683934

5  
h-index

1474057

9  
g-index

18  
all docs

18  
docs citations

18  
times ranked

154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Battery State of Charge Estimation: Observer for Electrode-Level State and Cyclable Lithium With Electrolyte Dynamics. IEEE Transactions on Transportation Electrification, 2023, 9, 4846-4861.	5.3	4
2	Co-Estimation of State-of-Charge and State-of- Health for Lithium-Ion Batteries Using an Enhanced Electrochemical Model. IEEE Transactions on Industrial Electronics, 2022, 69, 2684-2696.	5.2	100
3	Thermal-Enhanced Adaptive Interval Estimation in Battery Packs With Heterogeneous Cells. IEEE Transactions on Control Systems Technology, 2022, 30, 1102-1115.	3.2	3
4	Resolving Kirchhoff's Laws for Parallel Li-Ion Battery Pack State-Estimators. IEEE Transactions on Control Systems Technology, 2022, 30, 2220-2227.	3.2	3
5	Faster and Healthier Charging of Lithium-Ion Batteries via Constrained Feedback Control. IEEE Transactions on Control Systems Technology, 2022, 30, 1990-2001.	3.2	7
6	Electrode-Level State Estimation in Lithium-Ion Batteries via Kalman Decomposition. , 2021, 5, 1657-1662.		14
7	State Estimation for a Zero-Dimensional Electrochemical Model of Lithium-Sulfur Batteries. , 2021, , .		3
8	Electrode-Level State Estimation in Lithium-ion Batteries via Kalman Decomposition. , 2021, , .		0
9	Battery internal temperature estimation via a semilinear thermal PDE model. Automatica, 2021, 133, 109849.	3.0	8
10	PDE Observer for All-Solid-State Batteries via an Electrochemical Model. , 2021, , .		1
11	Real-Time Capacity Estimation of Lithium-Ion Batteries Utilizing Thermal Dynamics. IEEE Transactions on Control Systems Technology, 2020, 28, 992-1000.	3.2	29
12	Battery Adaptive Observer for a Single-Particle Model With Intercalation-Induced Stress. IEEE Transactions on Control Systems Technology, 2020, 28, 1363-1377.	3.2	35
13	Interval Observer for SOC Estimation in Parallel-Connected Lithium-ion Batteries. , 2020, , .		9
14	State of Charge Estimation of Parallel Connected Battery Cells via Descriptor System Theory. , 2020, , .		11
15	Nonlinear State and Parameter Estimation for Li-ion Batteries with Thermal Coupling. IFAC-PapersOnLine, 2020, 53, 12479-12484.	0.5	2
16	State and Disturbance Estimator for Unstable Reaction-Advection-Diffusion PDE with Boundary Disturbance. , 2019, , 67-74.		1
17	Lithium-Ion Battery State Estimation for a Single Particle Model with Intercalation-Induced Stress. , 2018, , .		6
18	Remaining useful life estimation of Lithium-ion batteries based on thermal dynamics. , 2017, , .		24