

# Changyu Deng

## List of Publications by Year in descending order

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14  
papers

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citations

1684188

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1474206

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g-index

15  
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docs citations

15  
times ranked

180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-directed online machine learning for topology optimization. Nature Communications, 2022, 13, 388.	12.8	43
2	A generic battery-cycling optimization framework with learned sampling and early stopping strategies. Patterns, 2022, 3, 100531.	5.9	2
3	Physics-encoded deep learning in identifying battery parameters without direct knowledge of ground truth. Applied Energy, 2022, 321, 119390.	10.1	9
4	A Framework to Optimize Electrode Morphology. ECS Meeting Abstracts, 2021, MA2021-01, 185-185.	0.0	0
5	Achieving Consistent Diffusivity Measurement between GITT and EIS. ECS Meeting Abstracts, 2021, MA2021-01, 64-64.	0.0	0
6	A Facile Process to Fabricate Phosphorus/Carbon Xerogel Composite as Anode for Sodium Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 080529.	2.9	3
7	A Continuous Model on the Electrochemical Impedance Spectroscopy of Solid-State Electrolyte. ECS Meeting Abstracts, 2021, MA2021-02, 174-174.	0.0	0
8	Integrating Machine Learning with Human Knowledge. IScience, 2020, 23, 101656.	4.1	95
9	Consistent diffusivity measurement between Galvanostatic Intermittent Titration Technique and Electrochemical Impedance Spectroscopy. Journal of Power Sources, 2020, 473, 228613.	7.8	30
10	Geometry Optimization of Porous Electrode for Lithium-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 536-536.	0.0	0
11	Geometry Optimization of Porous Electrode for Lithium-Ion Batteries. ECS Transactions, 2020, 97, 249-254.	0.5	1
12	Doping Phosphorus in Carbon Xerogel via Vaporization for Sodium Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 511-511.	0.0	0
13	Numerical study on equilibrium stability of objects in fluid flow " A case study on constructal law. Case Studies in Thermal Engineering, 2019, 15, 100539.	5.7	2
14	Ultralight and Flexible Monolithic Polymer Aerogel with Extraordinary Thermal Insulation by A Facile Ambient Process. Advanced Materials Interfaces, 2019, 6, 1900314.	3.7	29