# Changyu Deng

List of Publications by Year
in descending order

| 14 papers | 217 citations | 1684188 | 1474206 |
|---|---|---|---|
| | | 5 h-index | 9 g-index |

| 15 all docs | 15 docs citations | 15 times ranked | 180 citing authors |

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