



Xiaoyu Yang

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2022

Publications

PUBLICATIONS

- **Estimation of battery core temperature from indirect observations and models with error** *JOURNAL OF POWER SOURCES*
Yang, X., Tartakovsky, D. M.
2026; 664
- **Electrochemical multilayer perceptron for lithium batteries** *JOURNAL OF POWER SOURCES*
Yang, X., Tartakovsky, D. M.
2025; 659
- **Dual-Continuum Models of Electrochemical Transport in Porous Electrodes** *JOURNAL OF THE ELECTROCHEMICAL SOCIETY*
Yang, X., Tartakovsky, D. M.
2025; 172 (2)
- **Non-equilibrium thermal models of lithium batteries** *JOURNAL OF POWER SOURCES*
Yang, X., Li, W., Um, K., Tartakovsky, D. M.
2024; 623
- **MACHINE-LEARNED INFERENCE OF FRACTURE FLOWRATE FROM TEMPERATURE LOGS** *JOURNAL OF MACHINE LEARNING FOR MODELING AND COMPUTING*
Yang, X., Horne, R. N., Tartakovsky, D. M.
2024; 5 (3): 31-45