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Ph.D. Student in Energy Science and Engineering, admitted Spring 2022

Publications

PUBLICATIONS

- **Sky image-based solar forecasting using deep learning with heterogeneous multi-location data: Dataset fusion versus transfer learning** *APPLIED ENERGY*
Nie, Y., Paletta, Q., Scott, A., Pomares, L., Arbod, G., Sgouridis, S., Lasenby, J., Brandt, A.
2024; 369
- **SkyGPT: Probabilistic ultra-short-term solar forecasting using synthetic sky images from physics-constrained VideoGPT** *ADVANCES IN APPLIED ENERGY*
Nie, Y., Zelikman, E., Scott, A., Paletta, Q., Brandt, A.
2024; 14
- **Open-source sky image datasets for solar forecasting with deep learning: A comprehensive survey** *RENEWABLE & SUSTAINABLE ENERGY REVIEWS*
Nie, Y., Li, X., Paletta, Q., Aragon, M., Scott, A., Brandt, A.
2024; 189
- **SKIPP'D: A SKy Images and Photovoltaic Power Generation Dataset for short-term solar forecasting** *SOLAR ENERGY*
Nie, Y., Li, X., Scott, A., Sun, Y., Venugopal, V., Brandt, A.
2023; 255: 171-179
- **Integrating airborne remote sensing and field campaigns for ecology and Earth system science** *METHODS IN ECOLOGY AND EVOLUTION*
Chadwick, K., Brodrick, P. G., Grant, K., Goulden, T., Henderson, A., Falco, N., Wainwright, H., Williams, K. H., Bill, M., Breckheimer, I., Brodie, E. L., Steltzer, H., Williams, et al
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