# Mukul Parmananda

List of Publications by Year
in descending order



| 14 | 207 | 1040056 9 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 14 | 14 | 14 | 166 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of electrode crosstalk on heat release in lithium-ion batteries under thermal abuse scenarios. Energy Storage Materials, 2022, 44, 326-341. | 18.0 | 32 |
| 2 | Probing the Influence of Multiscale Heterogeneity on Effective Properties of Graphite Electrodes. ACS Applied Materials & Interfaces, 2022, 14, 943-953. | 8.0 | 11 |
| 3 | Probing the Role of Multi-scale Heterogeneity in Graphite Electrodes for Extreme Fast Charging. ACS Applied Materials & Interfaces, 2022, 14, 18335-18352. | 8.0 | 15 |
| 4 | Mechanistic underpinnings of thermal gradient induced inhomogeneity in lithium plating. Energy Storage Materials, 2021, 35, 500-511. | 18.0 | 41 |
| 5 | From material properties to multiscale modeling to improve lithium-ion energy storage safety. MRS Bulletin, 2021, 46, 402-409. | 3.5 | 1 |
| 6 | Simplified Pouch Cell Method for 3-Electrode Re-Testing of Harvested Double-Sided Electrodes From Commercial Lithium-Ion Batteries. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, . | 2.1 | 2 |
| 7 | Mechanistic Analysis of Microstructural Attributes to Lithium Plating in Fast Charging. ACS Applied Materials & Interfaces, 2020, 12, 55795-55808. | 8.0 | 19 |
| 8 | Probing the Thermal Safety of Li Metal Batteries. Journal of the Electrochemical Society, 2020, 167, 120513. | 2.9 | 31 |
| 9 | Thermo-Electrochemical Stability Analytics of Electrode Materials. Journal of Physical Chemistry C, 2019, 123, 30106-30120. | 3.1 | 11 |
| 10 | Numerical appraisal of three low Mach number algorithms for radiativeâ€“convective flows in enclosures. Computers and Mathematics With Applications, 2019, 77, 2162-2181. | 2.7 | 2 |
| 11 | The influence of partitions on predicting heat transfer due to the combined effects of convection and thermal radiation in cubical enclosures. International Journal of Heat and Mass Transfer, 2018, 121, 1179-1200. | 4.8 | 13 |
| 12 | Unified framework for buoyancy induced radiative-convective flow and heat transfer on hybrid unstructured meshes. International Journal of Heat and Mass Transfer, 2018, 126, 908-925. | 4.8 | 7 |
| 13 | Investigations of turbulence-radiation interaction in non-Oberbeck-Boussinesq buoyancy-driven flows. International Journal of Thermal Sciences, 2018, 134, 298-316. | 4.9 | 4 |
| 14 | Critical assessment of numerical algorithms for convective-radiative heat transfer in enclosures with different geometries. International Journal of Heat and Mass Transfer, 2017, 108, 627-644. | 4.8 | 18 |