# Tian Liang

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 11<br>papers | 146<br>citations | 1307594<br>7<br>h-index | 1372567<br>10<br>g-index |
| 11<br>all docs | 11<br>docs citations | 11<br>times ranked | 132<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Real-Time Device-Level Simulation of MMC-Based MVDC Traction Power System on MPSoC. IEEE Transactions on Transportation Electrification, 2018, 4, 626-641. | 7.8 | 38 |
| 2 | Real-Time Hardware-in-the-Loop Emulation of High-Speed Rail Power System With SiC-Based Energy Conversion. IEEE Access, 2020, 8, 122348-122359. | 4.2 | 25 |
| 3 | Real-Time System-on-Chip Emulation of Electrothermal Models for Power Electronic Devices via Hammerstein Configuration. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 203-218. | 5.4 | 20 |
| 4 | Real-Time Hierarchical Neural Network Based Fault Detection and Isolation for High-Speed Railway System Under Hybrid AC/DC Grid. IEEE Transactions on Power Delivery, 2020, , 1-1. | 4.3 | 14 |
| 5 | Machine Learning Building Blocks for Real-Time Emulation of Advanced Transport Power Systems. IEEE Open Journal of Power Electronics, 2020, 1, 488-498. | 5.7 | 14 |
| 6 | Wideband Modeling of Power SiC mosfet Module and Conducted EMI Prediction of MVDC Railway Electrification System. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2621-2633. | 2.2 | 10 |
| 7 | Deep Learning for Hardware-Based Real-Time Fault Detection and Localization of All Electric Ship MVDC Power System. IEEE Open Journal of Industry Applications, 2020, 1, 194-204. | 6.5 | 8 |
| 8 | Adaptive Real-Time Hybrid Neural Network-Based Device-Level Modeling for DC Traction HIL Application. IEEE Access, 2020, 8, 69543-69556. | 4.2 | 5 |
| 9 | Comprehensive Real-Time Hardware-In-the-Loop Transient Emulation of MVDC Power Distribution System on Nuclear Submarine. IEEE Open Journal of the Industrial Electronics Society, 2020, 1, 326-339. | 6.8 | 5 |
| 10 | Machine Learning Based Modeling for Real-Time Inferencer-in-the-Loop Hardware Emulation of High-Speed Rail Microgrid. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 920-932. | 3.9 | 5 |
| 11 | Parallelâ€inâ€timeâ€andâ€space electromagnetic transient simulation of multiâ€terminal DC grids with deviceâ€level switch modelling. IET Generation, Transmission and Distribution, 0, , . | 2.5 | 2 |