

# Tian Liang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3114526/publications.pdf>

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11  
papers

146  
citations

1307594

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1372567

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docs citations

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times ranked

132  
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#	ARTICLE	IF	CITATIONS
1	Machine Learning Based Modeling for Real-Time Inference-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
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	Adaptive Real-Time Hybrid Neural Network-Based Device-Level Modeling for DC Traction HIL Application. IEEE Access, 2020, 8, 69543-69556.	4.2	5
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	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
6	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
7	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
8	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
9	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
10	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
11	Parallel-time-space electromagnetic transient simulation of multi-terminal DC grids with device-level switch modelling. IET Generation, Transmission and Distribution, 0, , .	2.5	2