

Ning Lin

List of Publications by Year in descending order

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34
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#	ARTICLE	IF	CITATIONS
1	Many-Core Processors. , 2022, , 1-16.		0
2	Large-Scale Electromagnetic Transient Simulation of DC Grids. , 2022, , 187-253.		0
3	Device-Level Modeling and Transient Simulation of Power Electronic Switches. , 2022, , 135-186.		0
4	Parallel Dynamic and Transient Simulation of Large-Scale Power Systems. , 2022, , .		2
5	Hybrid Parallel-in-Time-and-Space Transient Stability Simulation of Large-Scale AC/DC Grids. IEEE Transactions on Power Systems, 2022, 37, 4709-4719.	4.6	6
6	Component-Level Thermo-Electromagnetic Nonlinear Transient Finite Element Modeling of Solid-State Transformer for DC Grid Studies. IEEE Transactions on Industrial Electronics, 2021, 68, 938-948.	5.2	17
7	Adaptive Heterogeneous Transient Analysis of Wind Farm Integrated Comprehensive AC/DC Grids. IEEE Transactions on Energy Conversion, 2021, 36, 2370-2379.	3.7	5
8	Damping of Subsynchronous Control Interactions in Large-Scale PV Installations Through Faster-Than-Real-Time Dynamic Emulation. IEEE Access, 2021, 9, 128481-128493.	2.6	1
9	Mitigation of Subsynchronous Interactions in Hybrid AC/DC Grid With Renewable Energy Using Faster-Than-Real-Time Dynamic Simulation. IEEE Transactions on Power Systems, 2021, 36, 670-679.	4.6	7
10	Device-Level Parallel-in-Time Simulation of MMC-Based Energy System for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 5669-5678.	3.9	4
11	Flexible Time-Stepping Dynamic Emulation of AC/DC Grid for Faster-Than-SCADA Applications. IEEE Transactions on Power Systems, 2021, 36, 2674-2683.	4.6	11
12	Comprehensive Modeling of Large Photovoltaic Systems for Heterogeneous Parallel Transient Simulation of Integrated AC/DC Grid. , 2021, , .		1
13	Mitigation of Subsynchronous Interactions in Hybrid AC/DC Grid with Renewable Energy using Faster-Than-Real-Time Dynamic Simulation. , 2021, , .		0
14	Flexible Time-Stepping Dynamic Emulation of AC/DC Grid for Faster-Than-SCADA Applications. , 2021, , .		1
15	Integrated Massively Parallel Simulation of Thermo-Electromagnetic Fields and Transients of Converter Transformer Interacting With MMC in Multi-Terminal DC Grid. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 725-735.	1.4	5
16	Electrothermal Transient Behavioral Modeling of Thyristor-Based Ultrafast Mechatronic Circuit Breaker for Real-Time DC Grid Emulation. IEEE Transactions on Industrial Electronics, 2020, 67, 1660-1670.	5.2	7
17	Faster-Than-Real-Time Dynamic Simulation of AC/DC Grids on Reconfigurable Hardware. IEEE Transactions on Power Systems, 2020, 35, 1539-1548.	4.6	13
18	An Accurate and Fast Method for Conducted EMI Modeling and Simulation of MMC-Based HVdc Converter Station. IEEE Transactions on Power Electronics, 2020, 35, 4689-4702.	5.4	47

#	ARTICLE	IF	CITATIONS
19	Hierarchical Device-Level Modular Multilevel Converter Modeling for Parallel and Heterogeneous Transient Simulation of HVDC Systems. IEEE Open Journal of Power Electronics, 2020, 1, 312-321.	4.0	5
20	Comprehensive Modeling of Large Photovoltaic Systems for Heterogeneous Parallel Transient Simulation of Integrated AC/DC Grid. IEEE Transactions on Energy Conversion, 2020, 35, 917-927.	3.7	15
21	Parallel High-Fidelity Electromagnetic Transient Simulation of Large-Scale Multi-Terminal DC Grids. , 2020, , .		0
22	Faster-Than-Real-Time Dynamic Simulation of AC/DC Grids on Reconfigurable Hardware. , 2020, , .		0
23	Exact Nonlinear Micromodeling for Fine-Grained Parallel EMT Simulation of MTDC Grid Interaction With Wind Farm. IEEE Transactions on Industrial Electronics, 2019, 66, 6427-6436.	5.2	22
24	Variable Time-Stepping Modular Multilevel Converter Model for Fast and Parallel Transient Simulation of Multiterminal DC Grid. IEEE Transactions on Industrial Electronics, 2019, 66, 6661-6670.	5.2	19
25	Parallel High-Fidelity Electromagnetic Transient Simulation of Large-Scale Multi-Terminal DC Grids. IEEE Power and Energy Technology Systems Journal, 2019, 6, 59-70.	3.5	6
26	Dynamic Electro-Magnetic-Thermal Modeling of MMC-Based DC-DC Converter for Real-Time Simulation of MTDC Grid. IEEE Transactions on Power Delivery, 2018, 33, 1337-1347.	2.9	48
27	Detailed Device-Level Electrothermal Modeling of the Proactive Hybrid HVDC Breaker for Real-Time Hardware-in-the-Loop Simulation of DC Grids. IEEE Transactions on Power Electronics, 2018, 33, 1118-1134.	5.4	46
28	Detailed device-level electrothermal modeling of the proactive hybrid HVDC breaker for real-time hardware-in-the-loop simulation of DC grids. , 2018, , .		0
29	Dynamic Electro-Magnetic-Thermal Modeling of MMC-Based DC-DC Converter for Real-Time Simulation of MTDC Grid. , 2018, , .		0
30	Behavioral device-level modeling of modular multilevel converters in real time for variable-speed drive applications. , 2018, , .		0
31	Non-linear behavioural modelling of device-level transients for complex power electronic converter circuit hardware realisation on FPGA. IET Power Electronics, 2018, 11, 1566-1574.	1.5	11
32	Behavioral Device-Level Modeling of Modular Multilevel Converters in Real Time for Variable-Speed Drive Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1177-1191.	3.7	33
33	Electromagnetic transient simulation of CIGRÉ DC grid test system with hybrid converter topologies. , 2017, , .		0
34	Parallel time-space electromagnetic transient simulation of multi-terminal DC grids with device-level switch modelling. IET Generation, Transmission and Distribution, 0, , .	1.4	2