

Ningyuan Cao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

180
citations

1684188

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h-index

1720034

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g-index

12
all docs

12
docs citations

12
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Context-Aware Intelligence in Resource-Constrained IoT Nodes: Opportunities and Challenges. IEEE Design and Test, 2019, 36, 7-40.	1.2	45
2	Self-Optimizing IoT Wireless Video Sensor Node With In-Situ Data Analytics and Context-Driven Energy-Aware Real-Time Adaptation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2470-2480.	5.4	37
3	Smart Sensing for HVAC Control: Collaborative Intelligence in Optical and IR Cameras. IEEE Transactions on Industrial Electronics, 2018, 65, 9785-9794.	7.9	36
4	14.1 A 65nm 1.1-to-9.1TOPS/W Hybrid-Digital-Mixed-Signal Computing Platform for Accelerating Model-Based and Model-Free Swarm Robotics. , 2019, , .		12
5	A 65-nm 8-to-3-b 1.0â€“0.36-V 9.1â€“1.1-TOPS/W Hybrid-Digital-Mixed-Signal Computing Platform for Accelerating Swarm Robotics. IEEE Journal of Solid-State Circuits, 2020, 55, 49-59.	5.4	11
6	A Light-powered, "Always-On", Smart Camera with Compressed Domain Gesture Detection. , 2016, , .		8
7	In-sensor analytics and energy-aware self-optimization in a wireless sensor node. , 2017, , .		7
8	A Hardware-Friendly Approach Towards Sparse Neural Networks Based on LFSR-Generated Pseudo-Random Sequences. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 751-764.	5.4	7
9	Hardware-Aware Pruning of DNNs using LFSR-Generated Pseudo-Random Indices. , 2020, , .		6
10	A Light-Powered Smart Camera With Compressed Domain Gesture Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3077-3085.	8.3	5
11	A 65 nm Wireless Image SoC Supporting On-Chip DNN Optimization and Real-Time Computation-Communication Trade-Off via Actor-Critical Neuro-Controller. IEEE Journal of Solid-State Circuits, 2022, 57, 2545-2559.	5.4	4
12	Collaborative intelligence in optical/IR camera based wireless sensor nodes for HVAC control. , 2017, , .		2