Joonhyuk Yoo

List of Publications by Year
in descending order

21 papers	95 citations	1937685 4 h-index	1372567 10 g-index
21 all docs	21 docs citations	21 times ranked	111 citing authors

#	Article	IF	Citations
1	SWNQ: Scaled Weight Normalization Based Post-Training Quantization Method. The Journal of Korean Institute of Communications and Information Sciences, 2021, 46, 583-590.	0.1	0
2	RT-SPeeDet: Real-Time IP–CNN-Based Small Pit Defect Detection for Automatic Film Manufacturing Inspection. Applied Sciences (Switzerland), 2021, 11, 9632.	2.5	4
3	Design of a Host Interface Logic for GC-Free SSDs. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 1674-1687.	2.7	5
4	Exploiting Inverse Power of Two Non-Uniform Quantization Method to Increase Energy Efficiency in Deep Neural Networks. Journal of KIISE, 2020, 47, 27-35.	0.1	0
5	i-FireNet: A Lightweight CNN to Increase Generalization Performance for Real-Time Detection of Forest Fire in Edge AI Environments. Journal of Institute of Control, Robotics and Systems, 2020, 26, 802-810.	0.2	2
6	Safe2Walk4Blind: DNN-based Walking Assistance System for the Blind. Journal of Institute of Control, Robotics and Systems, 2019, 25, 565-571.	0.2	0
7	Performance Evaluation of Stochastic Quantization Methods for Compressing the Deep Neural Network Model. Journal of Institute of Control, Robotics and Systems, 2019, 25, 775-781.	0.2	0
8	Experimental Research Testbeds for Large-Scale WSNs: A Survey from the Architectural Perspective. International Journal of Distributed Sensor Networks, 2015, 11, 630210.	2.2	11
9	Check4Urine: Smartphone-based Portable Urine-analysis System. IEMEK Journal of Embedded Systems and Applications, 2015, 10, 13-23.	0.0	0
10	Multi-Channel Packet-Analysis System Based on IEEE 802.15.4 Packet-Capturing Modules. International Journal of Distributed Sensor Networks, 2014, 10, 216504.	2.2	1
11	HIOS. Computer Architecture News, 2014, 42, 289-300.	2.5	54
12	Implementation of Distributed Health-aware Bicycle System for Making Real-time Air-pollution Map. IEMEK Journal of Embedded Systems and Applications, 2014, 9, 229-235.	0.0	1
13	Performance Evaluation of SDS-TWR Ranging Algorithms for CPS Based on Accurate Wireless Localization. The Journal of Korean Institute of Communications and Information Sciences, 2014, 39B, 570-577.	0.1	1
14	Implementation of IEEE 802.15.4a Software Stack for Ranging Accuracy Based on SDS-TWR. Journal of the Korea Industrial Information Systems Research, 2013, 18, 17-24.	0.1	1
15	WiP Abstract: Packet Loss Compensation for Cyber-Physical Control Systems. , 2012, , .		5
16	Command and data acquisition system for GAORI. , 2012, , .		0
17	Poster Abstract: Exploiting Virtually Constant Property for Time-Varying Delay Compensation. , 2012, , .		2
18	Hardware-Aware Rate Monotonic Scheduling Algorithm for Embedded Multimedia Systems. ETRI Journal, 2010, 32, 657-664.	2.0	4

#	Article	IF	Citations
19	Hierarchical Verification for Increasing Performance in Reliable Processors. Journal of Electronic Testing: Theory and Applications (JETTA), 2008, 24, 117-128.	1.2	2
20	Prioritizing verification via value-based correctness criticality. , 2007, , .		0
21	The Filter Checker: An Active Verification Management Approach. , 2006, , .		2