Alain Pegatoquet

List of Publications by Year
in descending order

14 papers	**348** citations	1163117 **8** h-index	1588992 **8** g-index
14 all docs	**14** docs citations	**14** times ranked	**355** citing authors

#	Article	IF	Citations
1	UCA-EHAR: A Dataset for Human Activity Recognition with Embedded AI on Smart Glasses. Applied Sciences (Switzerland), 2022, 12, 3849.	2.5	10
2	Deep Learning for Eye Blink Detection Implemented at the Edge. IEEE Embedded Systems Letters, 2021, 13, 130-133.	1.9	10
3	Quantization and Deployment of Deep Neural Networks on Microcontrollers. Sensors, 2021, 21, 2984.	3.8	64
4	Toward unsupervised Human Activity Recognition on Microcontroller Units. , 2020, , .		10
5	A Comprehensive Study of Performance-Autonomy Trade-off on Smart Connected Glasses. , 2020, , .		3
6	Special Section on Sensors Applications Symposium. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1431-1432.	4.7	0
7	Smart Connected Glasses for Drowsiness Detection: a System-Level Modeling Approach. , 2019, , .		8
8	A Wake-Up Radio-Based MAC Protocol for Autonomous Wireless Sensor Networks. IEEE/ACM Transactions on Networking, 2019, 27, 56-70.	3.8	32
9	Energy-Efficient Power Manager and MAC Protocol for Multi-Hop Wireless Sensor Networks Powered by Periodic Energy Harvesting Sources. IEEE Sensors Journal, 2015, 15, 7208-7220.	4.7	40
10	Energy-Neutral Design Framework for Supercapacitor-Based Autonomous Wireless Sensor Networks. ACM Journal on Emerging Technologies in Computing Systems, 2015, 12, 1-21.	2.3	16
11	A power manager with balanced quality of service for energy-harvesting wireless sensor nodes. , 2014, , .		6
12	A Joint Duty-Cycle and Transmission Power Management for Energy Harvesting WSN. IEEE Transactions on Industrial Informatics, 2014, 10, 928-936.	11.3	85
13	Ultra low power asynchronous MAC protocol using wake-up radio for energy neutral WSN. , 2013, , .		24
14	A framework for modeling and simulating energy harvesting WSN nodes with efficient power management policies. Eurasip Journal on Embedded Systems, 2012, 2012, .	1.2	40