Pai H Chou

List of Publications by Year
in descending order

31	583	1307594	1372567
31 papers	583 citations	7 h-index	10 g-index

31 all docs	31 docs citations	31 times ranked	554 citing authors

#	Article	IF	Citations
1	Efficient Charging of Supercapacitors for Extended Lifetime of Wireless Sensor Nodes. IEEE Transactions on Power Electronics, 2008, 23, 1526-1536.	7.9	244
2	Size and Topology Optimization for Supercapacitor-Based Sub-Watt Energy Harvesters. IEEE Transactions on Power Electronics, 2013, 28, 2068-2080.	7.9	85
3	Design and Performance Analysis of Supercapacitor Charging Circuits for Wireless Sensor Nodes. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2011, 1, 391-402.	3.6	61
4	DuraCap. , 2010, , .		38
5	Maximizing efficiency of solar-powered systems by load matching. , 2004, , .		26
6	Embedded Damage Detection in Water Pipelines Using Wireless Sensor Networks. , 2012, , .		15
7	IMPACCT: Methodology and Tools for Power-Aware Embedded Systems. Design Automation for Embedded Systems, 2002, 7, 205-232.	1.0	12
8	EcoIMU: A Dual Triaxial-Accelerometer Inertial Measurement Unit for Wearable Applications. , 2010, , .		12
9	Energy Harvesting with Supercapacitor-Based Energy Storage. , 2015, , 215-241.		12
10	Energy harvesting by sweeping voltage-escalated charging of a reconfigurable supercapacitor array. , 2011, , .		11
11	Middleware for IoT-Cloud Integration Across Application Domains. IEEE Design and Test, 2014, 31, 21-31.	1.2	9
12	EcoSpire: An Application Development Kit for an Ultra-Compact Wireless Sensing System. IEEE Embedded Systems Letters, 2009, 1, 65-68.	1.9	8
13	EcoMicro. , 2018, , .		7
14	Remote structural health monitoring systems for next generation SCADA. Smart Structures and Systems, 2013, 11, 511-531.	1.9	7
15	EcoBT: Miniature, Versatile Mote Platform Based on Bluetooth Low Energy Technology. , 2014, , .		5
16	An Imu-Based Wearable Ring For On-Surface Handwriting Recognition. , 2020, , .		4
17	EcoPlex: Empowering compact wireless sensor platforms via roaming and interoperability support. , 2009, , .		4
18	A Smart Energy System with Distributed Access Control. , 2014, , .		3

#	Article	IF	Citations
19	Energy harvesting from anti-corrosion power sources. , 2014, , .		3
20	Smart Insulating Container with Anti-theft Features by M2M Tracking. , 2014, , .		3
21	A Long-Range Directional Wake-Up Radio for Wireless Mobile Networks. Journal of Sensor and Actuator Networks, 2015, 4, 189-207.	3.9	3
22	Deep Learning-Based Real-Time Activity Recognition with Multiple Inertial Sensors. , 2022, , .		3
23	Automated Power Control for Mobile Laser Speckle Imaging System. IEEE Embedded Systems Letters, 2009, 1, 73-76.	1.9	2
24	MobiRing: A Finger-Worn Wireless Motion Tracker. , 2014, , .		2
25	Burst-transfer boost charger for supercapacitors from subwatt-scale harvesting sources. Journal of Power Sources, 2022, 520, 230745.	7.8	2
26	Complexity reduction techniques in music-based EEG source localization. , 2016, , .		1
27	EcoSim: A Smartphone-Based Sensor-Node Emulator with Native Sensors and Protocol Stack. , 2019, , .		1
28	EcoDAQ: A Densely Distributed, High Bandwidth Wireless Data Acquisition System. , 2008, , .		0
29	Greendicator: Enabling Optical Pulse-Encoded Data Output from WSN for Display on Smartphones. , 2014, , .		0
30	A Recursive Solution for Power-Transmission Loss in DC-Powered Networks. Energies, 2014, 7, 7519-7534.	3.1	0
31	EcoLoc. , 2017, , .		0