

Stewart J Thomas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5054719/publications.pdf>

Version: 2024-02-01

21
papers

546
citations

1936888

4
h-index

2053342

5
g-index

22
all docs

22
docs citations

22
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadrature Amplitude Modulated Backscatter in Passive and Semipassive UHF RFID Systems. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1175-1182.	2.9	163
2	A 96 Mbit/sec, 15.5 pJ/bit 16-QAM modulator for UHF backscatter communication. , 2012, , .		108
3	A Battery-Free Multichannel Digital Neural/EMG Telemetry System for Flying Insects. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 424-436.	2.7	86
4	QAM backscatter for passive UHF RFID tags. , 2010, , .		65
5	Feasibility of wireless sensors using ambient 2.4GHz RF energy. , 2012, , .		21
6	Multichannel Backscatter Communication and Ranging for Distributed Sensing With an FMCW Radar. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2375-2383.	2.9	18
7	Waveform-aware ambient RF energy harvesting. , 2014, , .		14
8	A 2.4GHz ambient RF energy harvesting system with ≈ 20 dBm minimum input power and NiMH battery storage. , 2014, , .		11
9	A battery-free multi-channel digital neural/EMG telemetry system for flying insects. , 2011, , .		10
10	SmartHat: A battery-free worker safety device employing passive UHF RFID technology. , 2011, , .		9
11	RFID for Everyone: Design of an Easily-Accessible, Experimental UHF RFID Platform. , 2019, , .		9
12	Rich-Media Tags: Battery-free wireless multichannel digital audio and image transmission with UHF RFID techniques. , 2013, , .		7
13	Electromagnetic Energy Harvesting for Sensing, Communication, and Actuation. , 2010, , .		6
14	Modulated backscatter for ultra-low power uplinks from wearable and implantable devices. , 2012, , .		5
15	Achieving Multistate Vector Scattering With Unmodified Digital Input/Output Pins. IEEE Journal of Radio Frequency Identification, 2021, 5, 311-316.	1.5	4
16	Multichannel radar backscatter communication and localization. , 2014, , .		3
17	Backscatter Ex-Nihilo: Single-component, Fully-passive Backscattering for Microcontrollers. , 2020, , .		3
18	RFID for Everyone: An Easily-Accessible, Experimental UHF RFID Platform. IEEE Journal of Radio Frequency Identification, 2020, 4, 46-54.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Space-Based Ambient Power for Sensors and Other Low-Power Applications. , 2021, , .		2
20	Give me a Sign: Passive Pose-Time Coded Handshaking. , 2021, , .		0
21	Chained, Repeated IQ-Based Data Separation for Streaming from Multiple Tags. , 2022, , .		0