

Paul T Theilmann

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

593
citations

933264

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h-index

1281743

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g-index

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all docs

20
docs citations

20
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Contact Multi-Subject Human Gait Analysis Using A State-Space Method With Enhanced 1-D Block Representation. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 155-167.	2.3	4
2	Robust Biopotential Acquisition via a Distributed Multi-Channel FM-ADC. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1229-1242.	2.7	16
3	22.2 A Rugged Wearable Modular ExG Platform Employing a Distributed Scalable Multi-Channel FM-ADC Achieving 101dB Input Dynamic Range and Motion-Artifact Resilience. , 2019, , .		3
4	A broadband envelope-tracking push-pull GaN power amplifier using grounded-coplanar ring Marchand balun. , 2018, , .		3
5	Comparison Study of Noncontact Vital Signs Detection Using a Doppler Stepped-Frequency Continuous-Wave Radar and Camera-Based Imaging Photoplethysmography. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3519-3529.	2.9	58
6	A multi-channel EEG system featuring single-wire data aggregation via FM-FDM techniques. , 2016, , .		3
7	An envelope linearization algorithm for an open-loop multi-switcher envelope tracking power amplifier. , 2016, , .		1
8	A 500 MHz portable evaluation platform for digital pre-distortion and envelope tracking power amplifiers. , 2015, , .		0
9	Enhanced thermal and mechanical properties of carbon nanotube composites through the use of functionalized CNT-reactive polymer linkages and three-roll milling. Composites Part A: Applied Science and Manufacturing, 2015, 77, 142-146.	3.8	55
10	High efficiency multi-band envelope tracking power amplifier with tunable output frequency bands. , 2015, , .		4
11	A 60MHz Bandwidth High Efficiency X-Band Envelope Tracking Power Amplifier. , 2013, , .		14
12	Superior electromagnetic interference shielding and dielectric properties of carbon nanotube composites through the use of high aspect ratio CNTs and three-roll milling. Organic Electronics, 2013, 14, 1531-1537.	1.4	79
13	Design of multi-functional dual hole patterned carbon nanotube composites with superhydrophobicity and durability. Nano Research, 2013, 6, 389-398.	5.8	45
14	A High Efficiency 780 MHz GaN Envelope Tracking Power Amplifier. , 2012, , .		14
15	A μ W Complementary Bridge Rectifier With Near Zero Turn-on Voltage in SOS CMOS for Wireless Power Supplies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2111-2124.	3.5	47
16	COMPUTATIONALLY EFFICIENT MODEL FOR UWB SIGNAL ATTENUATION DUE TO PROPAGATION IN TISSUE FOR BIOMEDICAL IMPLANTS. Progress in Electromagnetics Research B, 2012, 38, 1-22.	0.7	16
17	The influence of coiled nanostructure on the enhancement of dielectric constants and electromagnetic shielding efficiency in polymer composites. Applied Physics Letters, 2010, 96, 043115.	1.5	29
18	Near zero turn-on voltage high-efficiency UHF RFID rectifier in silicon-on-sapphire CMOS. , 2010, , .		30

#	ARTICLE	IF	CITATIONS
19	Enhanced Electromagnetic Interference Shielding Through the Use of Functionalized Carbon-Nanotube-Reactive Polymer Composites. IEEE Nanotechnology Magazine, 2010, 9, 464-469.	1.1	109
20	An Analytical Model for Inductively Coupled Implantable Biomedical Devices With Ferrite Rods. IEEE Transactions on Biomedical Circuits and Systems, 2009, 3, 43-52.	2.7	63