

# Paul T Theilmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8202802/publications.pdf>

Version: 2024-02-01

20  
papers

593  
citations

933264

10  
h-index

1281743

11  
g-index

20  
all docs

20  
docs citations

20  
times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Electromagnetic Interference Shielding Through the Use of Functionalized Carbon-Nanotube-Reactive Polymer Composites. IEEE Nanotechnology Magazine, 2010, 9, 464-469.	1.1	109
2	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
3	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
4	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
5	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
6	A $\mu$ 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
7	Design of multi-functional dual hole patterned carbon nanotube composites with superhydrophobicity and durability. Nano Research, 2013, 6, 389-398.	5.8	45
8	Near zero turn-on voltage high-efficiency UHF RFID rectifier in silicon-on-sapphire CMOS. , 2010, , .		30
9	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
10	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
11	Robust Biopotential Acquisition via a Distributed Multi-Channel FM-ADC. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1229-1242.	2.7	16
12	A High Efficiency 780 MHz GaN Envelope Tracking Power Amplifier. , 2012, , .		14
13	A 60MHz Bandwidth High Efficiency X-Band Envelope Tracking Power Amplifier. , 2013, , .		14
14	High efficiency multi-band envelope tracking power amplifier with tunable output frequency bands. , 2015, , .		4
15	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
16	A multi-channel EEG system featuring single-wire data aggregation via FM-FDM techniques. , 2016, , .		3
17	A broadband envelope-tracking push-pull GaN power amplifier using grounded-coplanar ring Marchand balun. , 2018, , .		3
18	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

#	ARTICLE	IF	CITATIONS
19	An envelope linearization algorithm for an open-loop multi-switcher envelope tracking power amplifier. , 2016, , .		1
20	A 500 MHz portable evaluation platform for digital pre-distortion and envelope tracking power amplifiers. , 2015, , .		0