

# Christopher T Rodenbeck

## List of Publications by Year in descending order

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30  
papers

313  
citations

1040056

9  
h-index

888059

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave and Millimeter Wave Power Beaming. IEEE Journal of Microwaves, 2021, 1, 229-259.	6.5	67
2	Electrically Small Frequency-Agile PIFA-as-a-Package for Portable Wireless Devices. IEEE Transactions on Antennas and Propagation, 2007, 55, 3310-3319.	5.1	46
3	Planar Miniature RFID Antennas Suitable for Integration With Batteries. IEEE Transactions on Antennas and Propagation, 2006, 54, 3700-3706.	5.1	28
4	Low-Power $G_m$ Filter Employing Current-Reuse Differential Difference Amplifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 635-639.	3.0	26
5	Model and Characterization of $mVO_2$ Thin-Film Switching Devices. IEEE Transactions on Electron Devices, 2014, 61, 813-819.	3.0	15
6	Terrestrial Microwave Power Beaming. IEEE Journal of Microwaves, 2022, 2, 28-43.	6.5	14
7	When Less Is More $\dots$ Few Bit ADCs in RF Systems. IEEE Access, 2019, 7, 12035-12046.	4.2	13
8	A frequency selective surface with integrated limiter for receiver protection. , 2012, , .		11
9	Monobit Sub-sampler for Digital Downconversion in Pulse-Doppler Radar Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1036-1043.	4.6	10
10	Vibrometry and Sound Reproduction of Acoustic Sources on Moving Platforms Using Millimeter Wave Pulse-Doppler Radar. IEEE Access, 2020, 8, 27676-27686.	4.2	10
11	A Multilook Processing Approach to 3-D ISAR Imaging Using Phased Arrays. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1412-1416.	3.1	9
12	Scalable, High-Sensitivity X-Band Rectenna Array for the Demonstration of Space-to-Earth Power Beaming. IEEE Access, 2021, 9, 27897-27907.	4.2	9
13	Techniques for the Analysis and Elimination of Transient Oscillations in Wideband and Ultra-Wideband Pulsed Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3733-3742.	4.6	8
14	Delta Modulation Technique for Improving the Sensitivity of Monobit Sub-samplers in Radar and Coherent Receiver Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1811-1822.	4.6	8
15	3D-Sensing MIMO Radar for UAV Formation Flight and Obstacle Avoidance. , 2019, , .		8
16	Bias-dependent small-signal monolithic PIN diode modeling. International Journal of RF and Microwave Computer-Aided Engineering, 2001, 11, 396-403.	1.2	6
17	50-W LTCC Transmitter Utilizing 28-V GaAs With Integrated High-Speed Pulse Modulation. IEEE Microwave and Wireless Components Letters, 2009, 19, 746-748.	3.2	4
18	Band-selective interferer rejection for cognitive receiver protection. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
19	Electrooptic Inspection of Vector Leakage in Radiofrequency Multichip Modules. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1093-1099.	2.2	3
20	A 128-Tap Highly Tunable CMOS IF Finite Impulse Response Filter for Pulsed Radar Applications. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 1192-1203.	3.1	3
21	Compact ring resonators using negative-refractive-index microstrip line. Microwave and Optical Technology Letters, 2005, 45, 294-295.	1.4	2
22	Design of Robust On-Chip Drain Modulators for Monolithic Pulsed Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2013, 23, 267-269.	3.2	2
23	Blocker-Tolerant and High-Sensitivity $\Delta$ Sigma $\Sigma$ Correlation Digitizer for Radar and Coherent Receiver Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3453-3463.	4.6	2
24	An Interference-Tolerant Synchronization Scheme for Wireless Communication Systems Based on Direct Sequence Spread Spectrum. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 415-427.	5.4	2
25	Practical Design Considerations for Broadband Cognitive Radio Systems: Co-existence. , 2018, , .		1
26	Power Handling of Vanadium Dioxide Metal-Insulator Transition RF Limiters. , 2018, , .		1
27	3D ISAR Imaging Algorithm Based on Amplitude Monopulse Processing at W Band. , 2019, , .		1
28	Corrections to "Techniques for the Analysis and Elimination of Transient Oscillations in Wideband and Ultra-Wideband Pulsed Power Amplifiers" [Oct 13 3733-3742]. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 193-193.	4.6	0
29	Practical Considerations for Broadband Cognitive Radio Systems: On-chip Spectrum Sensing. , 2018, , .		0
30	Gratings and Grating Antennas. , 0, , .		0