

Christopher R Valenta

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

908
citations

1684188

5
h-index

1372567

10
g-index

17
all docs

17
docs citations

17
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Harvesting Wireless Power: Survey of Energy-Harvester Conversion Efficiency in Far-Field, Wireless Power Transfer Systems. IEEE Microwave Magazine, 2014, 15, 108-120.	0.8	656
2	Theoretical Energy-Conversion Efficiency for Energy-Harvesting Circuits Under Power-Optimized Waveform Excitation. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1758-1767.	4.6	77
3	Optically Transparent Antennas: A Survey of Transparent Microwave Conductor Performance and Applications. IEEE Antennas and Propagation Magazine, 2021, 63, 27-39.	1.4	48
4	Rectenna performance under power-optimized waveform excitation. , 2013, , .		47
5	Multi-antenna techniques for enabling passive RFID tags and sensors at microwave frequencies. , 2012, , .		31
6	Design and Characterization of Meshed Microstrip Transmission Lines. , 2019, , .		12
7	IEEE Council on Radio-Frequency Identification: History, Present, and Future Vision. IEEE Journal of Radio Frequency Identification, 2020, 4, 170-175.	2.3	6
8	Interference measurements between single-beam, mechanical scanning, time-of-flight lidars. Optical Engineering, 2020, 59, 1.	1.0	5
9	Backscatter channel measurements at 5.8 GHz across high-voltage corona. , 2010, , .		4
10	Link budgets for backscatter radio and RFID systems using power-optimized waveforms. , 2013, , .		4
11	Ultra-low-power energy harvesting using power-optimized waveforms. Wireless Power Transfer, 2016, 3, 1-8.	1.1	4
12	Geometric approximation model of inter-lidar interference. Optical Engineering, 2020, 59, 1.	1.0	4
13	Towards single aperture RF/EO/IR systems: multi-spectral sensing and communication (Rising) Tj ETQq1 1 0.784314 rgBT /Overlock 10 ₃		
14	High-Voltage-Environment Backscatter-Channel Measurements at 5.8 GHz. IEEE Antennas and Propagation Magazine, 2011, 53, 231-240.	1.4	2
15	DC power pattern analysis of N-by-N staggered pattern charge collector and N²/sup> rectenna array. , 2013, , .		2
16	Spectral Performance Optimization of Small-Diameter Telescopes for Space Object Detection. Journal of the Astronautical Sciences, 2021, 68, 225-247.	1.5	2
17	Evaluating Optically Transparent Conductors at RF and Microwave Frequencies: A New Figure of Merit. IEEE Microwave and Wireless Components Letters, 2021, 31, 349-352.	3.2	1