

William Palmer

List of Publications by Year in descending order

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21
papers

557
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of column-based silicon field emitter arrays for enhanced performance and yield. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 150.	1.6	105
2	Frontiers in Thermionic Cathode Research. IEEE Transactions on Electron Devices, 2018, 65, 2061-2071.	3.0	70
3	Low voltage electron emission from Pb(Zr _x Ti _{1-x})O ₃ -based thin film cathodes. Applied Physics Letters, 1995, 66, 2183-2185.	3.3	60
4	Silicon field emitter cathodes: Fabrication, performance, and applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1980-1990.	2.1	59
5	Effects of Meandering on Dipole Antenna Resonant Frequency. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 122-125.	4.0	46
6	An Integrated Phased Array Antenna Design Using Ferroelectric Materials and the Continuous Transverse Stub Technology. IEEE Transactions on Antennas and Propagation, 2006, 54, 3095-3105.	5.1	40
7	Unified Understanding of RF Remote Probing. IEEE Sensors Journal, 2011, 11, 3055-3063.	4.7	33
8	Silicon field emitter arrays with low capacitance and improved transconductance for microwave amplifier applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 576.	1.6	22
9	Emission measurements and simulation of silicon field-emitter arrays with linear planar lenses. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 3455.	1.6	22
10	Characterization of Meander Dipole Antennas With a Geometry-Based, Frequency-Independent Lumped Element Model. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 346-349.	4.0	20
11	Mini-column silicon field-emitter arrays. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 580.	1.6	17
12	1.6 A GaN Schottky rectifiers on bulk GaN substrates. Solid-State Electronics, 2002, 46, 911-913.	1.4	15
13	Switched Antenna Circuit With Increased Information Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1045-1048.	4.0	10
14	Measured DC performance of large arrays of silicon field emitters. IEEE Transactions on Electron Devices, 1994, 41, 1866-1870.	3.0	9
15	Layer Structure and Thickness Effects on Electroplated AuSn Solder Bump Composition. IEEE Transactions on Components and Packaging Technologies, 2006, 29, 604-609.	1.3	8
16	Electromagnetic Modeling and Simulation of a Directly Modulated Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 779-782.	4.0	8
17	Leveraging Integration: Toward Efficient Linearized All-Silicon IC Transmitters. IEEE Microwave Magazine, 2014, 15, 86-96.	0.8	7
18	Digitally Driven Antenna for HF Transmission. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2362-2367.	4.6	5

#	ARTICLE	IF	CITATIONS
19	Traveling-wave amplifiers with prescribed frequency response. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 1223-1229.	4.6	0
20	Architectures and components for multifunctional wireless systems. , 2008, , .		0
21	Multisection bandpass filters using capacitively loaded transmission lines. Microwave and Optical Technology Letters, 2009, 51, 1107-1112.	1.4	0