

# William R Eisenstadt

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

193  
citations

1163117

8  
h-index

1125743

13  
g-index

36  
all docs

36  
docs citations

36  
times ranked

184  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Broadband Active Balun Using Combined Cascade“Cascade Configuration. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1790-1796.   | 4.6 | 35        |
| 2  | A New Characterization and Calibration Method for 3-dB-Coupled On-Wafer Measurements. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1193-1200.  | 4.6 | 17        |
| 3  | Wirelessly triggered bioactive molecule delivery from degradable electroactive polymer films. Polymer International, 2021, 70, 467-474.   | 3.1 | 17        |
| 4  | Software Defined Match Control Circuit Integrated With a Planar Inverted F Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 3884-3890.   | 5.1 | 16        |
| 5  | Tunable Broadband MMIC Active Directional Coupler. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 168-176.   | 4.6 | 16        |
| 6  | Embedded RF Test Circuits: RF Power Detectors, RF Power Control Circuits, Directional Couplers, and 77-GHz Six-Port Reflectometer. Journal of Information and Communication Convergence Engineering, 2013, 11, 56-61. | 0.2 | 15        |
| 7  | Marchand Balun Embedded Probe. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1207-1214.   | 4.6 | 13        |
| 8  | CMOS Programmable Gain Distributed Amplifier With 0.5-dB Gain Steps. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1552-1559.   | 4.6 | 13        |
| 9  | High speed digital CMOS divide-by-N frequency divider. , 2008, , .  |     | 8         |
| 10 | Low-power wireless climate monitoring system with RFID security access feature for mosquito and pathogen research. , 2015, , .  |     | 7         |
| 11 | Integrated BiCMOS 10 GHz S-Parameter Module. Bipolar/BiCMOS Circuits and Technology Meeting, IEEE Proceedings of the, 2006, , .   | 0.0 | 4         |
| 12 | Evaluation of Measurement Uncertainties Caused by Common and Cross Modes in Differential Measurements Using Baluns. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1485-1492.                        | 4.6 | 4         |
| 13 | High speed I/O and thermal effect characterization of 3D stacked ICs. , 2009, , .   |     | 4         |
| 14 | Automated wideband test system, measurement uncertainty, and design of on-chip six-port reflectometers for 5G applications. , 2015, , .   |     | 4         |
| 15 | Testing and Validation of Adaptive Impedance Matching System for Broadband Antenna. Electronics (Switzerland), 2019, 8, 1055.   | 3.1 | 3         |
| 16 | A wide-band differential and single-ended microwave amplitude detector. , 2010, , .   |     | 2         |
| 17 | GTL high speed I/O in 3D ICs for TSV and interconnect signal integrity characterization. , 2012, , .  |     | 2         |
| 18 | Design and packaging of small 60 GHz antenna array for multi-chip communication. , 2012, , .  |     | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | CMOS Broadband Programmable Gain Active Balun With 0.5-dB Gain Steps. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2650-2660.   | 4.6 | 2         |
| 20 | Impedance estimation from gain compression of RF power amplifiers. , 2005, , .   |     | 1         |
| 21 | A low-power CAM using a 12-transistor design cell. , 2007, , .   |     | 1         |
| 22 | Design of Multigigabit-per-Second Transceiver for Band-Limited High-Speed Data Communication Using DC-Free Signaling. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1555-1564. | 4.6 | 1         |
| 23 | On-chip S-parameter signal detection circuit. , 2009, , .  |     | 1         |
| 24 | A sub-1V CMOS voltage reference generator. , 2011, , .   |     | 1         |
| 25 | Polarization Differential Antenna for LOS Communications in a Multi-Antenna System. IEEE Transactions on Antennas and Propagation, 2014, 62, 3978-3984.  | 5.1 | 1         |
| 26 | A 6 pJ/bit transmitter front end in 130 nm CMOS technology for wireless interconnect. , 2015, , .  |     | 1         |
| 27 | Progress in development of the low-power wireless multiple temperature sensor pole for pesticide, agriculture, and mosquito research. , 2015, , .  |     | 1         |
| 28 | Guest Editorial: Analog, Mixed-Signal and RF Testing. Journal of Electronic Testing: Theory and Applications (JETTA), 2017, 33, 281-282.   | 1.2 | 1         |
| 29 | Role of Silver Doping in the Improvement of Electrical Properties of (Ba,Sr)TiO <sub>3</sub> Thin Films. Materials Research Society Symposia Proceedings, 1999, 567, 463.                        | 0.1 | 0         |
| 30 | Embedded Jitter Measurement of High-speed I/O Signals. , 2007, , .   |     | 0         |
| 31 | Design of compact adaptive RF matching circuits using Square split ring resonators. , 2010, , .  |     | 0         |
| 32 | Signal integrity characterization of high-speed I/O in 3D chip-package system. , 2013, , .   |     | 0         |
| 33 | Characterization of embedded RF elements on a 3D integrated circuit. , 2013, , .   |     | 0         |
| 34 | Cost effective modeling methodologies and evaluating electrical interaction in FCBGA packages. , 2013, , .   |     | 0         |
| 35 | True-differential/common-mode mixed-mode S-parameter measurement techniques for cellular and 4G bandwidths. , 2015, , .  |     | 0         |
| 36 | Structural parameters effect on signal integrity of inter-tier vias in 3D stacking technology. , 2018, , .   |     | 0         |