

# Duane C Howard

## List of Publications by Year in descending order

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15  
papers

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docs citations

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times ranked

164  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Self-Healing Methodology for RF Amplifier Circuits Based on Oscillation Principles. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2012, 20, 1835-1848.	3.1	39
2	An 8â€“16 GHz SiGe Low Noise Amplifier With Performance Tuning Capability for Mitigation of Radiation-Induced Performance Loss. IEEE Transactions on Nuclear Science, 2012, 59, 2837-2846.	2.0	31
3	A 6â€“20 GHz Adaptive SiGe Image Reject Mixer for a Self-Healing Receiver. IEEE Journal of Solid-State Circuits, 2012, 47, 1998-2006.	5.4	19
4	Evaluating the Effects of Single Event Transients in FET-Based Single-Pole Double-Throw RF Switches. IEEE Transactions on Nuclear Science, 2014, 61, 756-765.	2.0	12
5	A 3&#x2013;20 GHz SiGe HBT ultra-wideband LNA with gain and return loss control for multiband wireless applications. , 2010, , .		11
6	Impact of Total Ionizing Dose on a 4th Generation, 90Ånm SiGe HBT Gaussian Pulse Generator. IEEE Transactions on Nuclear Science, 2014, 61, 3050-3054.	2.0	10
7	A SiGe 8â€“18-GHz Receiver With Built-In-Testing Capability for Self-Healing Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2370-2380.	4.6	10
8	A wide bandwidth sige broadband amplifier for 100 Gb/s Ethernet applications. , 2009, , .		9
9	A broadband, millimeter wave, asymmetrical Marchand balun in 180 nm SiGe BiCMOS technology. , 2012, , .		9
10	A low power 1.8&#x2013;2.6 dB noise figure, SiGe HBT wideband LNA for multiband wireless applications. , 2009, , .		6
11	Wide-tuning range, amplitude-locked test signal source for self-healing, mixed-signal electronic systems. , 2011, , .		5
12	A UWB SiGe LNA for multi-band applications with self-healing based on DC extraction of device characteristics. , 2011, , .		4
13	Mitigation of Total Dose Performance Degradation in an 8â€“18ÅGHz SiGe Reconfigurable Receiver. IEEE Transactions on Nuclear Science, 2014, 61, 3226-3235.	2.0	4
14	On-die self-healing of mixer image-rejection ratio for mixed-signal electronic systems. , 2012, , .		1
15	An on-chip SiGe HBT characterization circuit for use in self-healing RF systems. , 2013, , .		1