

# Andreas Weisshaar

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

107  
citations

1937457

4  
h-index

1719901

7  
g-index

22  
all docs

22  
docs citations

22  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Panel sessions [at IMS 2013]. IEEE Microwave Magazine, 2013, 14, 48-49.	0.7	22
2	Overview of Focus and Special Sessions at IMS2013. IEEE Microwave Magazine, 2013, 14, 24-27.	0.7	21
3	Broadband Modeling of High-Frequency Microwave Devices. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 361-373.	2.9	13
4	Accurate closed-form capacitance extraction formulas for metal fill in RFICs. , 2009, , .		7
5	Compact Equivalent Circuit Modeling of Microfluxgate Devices With Thin-Film Magnetic Cores. IEEE Transactions on Magnetics, 2016, 52, 1-8.	1.2	7
6	Experimental characterization of metal fill placement and size impact on spiral inductors. , 2009, , .		6
7	Wide-range closed-form eddy-current loss formula for metal fill. , 2010, , .		5
8	Mode Coupling in Coplanar Waveguide Bends: A Simple Four-Port Model. , 2003, , .		4
9	Closed-form expressions for modeling metal fill effects in interconnects. , 2011, , .		4
10	Design of Compact Integrated Lumped-Element Coupled-Resonator Filters. , 2018, , .		4
11	Scalable modeling of on-chip spiral inductors including metal fill parasitics. , 2014, , .		3
12	Isolation enhancement in integrated circuits using dummy metal fill. , 2008, , .		2
13	Modeling Microinductors With Thin-Film Alloy Magnetic Cores. IEEE Transactions on Power Electronics, 2014, 29, 4901-4910.	5.4	2
14	Scalable modeling of resistive losses In on-chip interconnects at mm-wave frequencies. , 2016, , .		2
15	Compact Layout Redesign of Output Matching Network of a 5.8-GHz SiGe Power Amplifier. IEEE Microwave and Wireless Components Letters, 2019, 29, 791-794.	2.0	2
16	Noise Suppression in VLSI Circuits Using Dummy Metal Fill. , 2008, , .		1
17	Nonlinear Frequency-Dependent Model for Microinductors With Magnetic Core. IEEE Electron Device Letters, 2013, 34, 304-306.	2.2	1
18	A lumped element circuit model for monolithic transformers in silicon-based RFICs. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	Prolog to the Section on Radio Spectrum Access. Proceedings of the IEEE, 2012, 100, 1674-1675.	16.4	0
20	A scalable wideband equivalent circuit model for on-chip microstrips up to 110 GHz. , 2014, , .		0
21	Scalable and broadband modeling of coupled on-chip spiral inductors up to 110 GHz. , 2016, , .		0
22	Compact Design of Passive Networks in RF and Millimeter-Wave Integrated Circuits (invited). , 2021, , .		0