

# Ramesh Abhari

## List of Publications by Year in descending order

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52  
papers

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citations

840728

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h-index

752679

20  
g-index

52  
all docs

52  
docs citations

52  
times ranked

582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Employing EBG Structures in Multiantenna Systems for Improving Isolation and Diversity Gain. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1162-1165.	4.0	75
2	Multiport UHF RFID-Tag Antenna for Enhanced Energy Harvesting of Self-Powered Wireless Sensors. IEEE Transactions on Industrial Informatics, 2016, 12, 801-808.	11.3	57
3	Design and Experimental Evaluation of Miniaturized Monopole UHF RFID Tag Antennas. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 248-251.	4.0	43
4	Transition Structures for 3-D Integration of Substrate Integrated Waveguide Interconnects. IEEE Microwave and Wireless Components Letters, 2007, 17, 697-699.	3.2	35
5	Miniaturization and isolation improvement of a multiple patch antenna system using electromagnetic bandgap structures. Microwave and Optical Technology Letters, 2013, 55, 1609-1612.	1.4	29
6	Design and Application of Multimode Substrate Integrated Waveguides in Parallel Multichannel Signaling Systems. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1563-1571.	4.6	26
7	Ultra-High-Speed Multichannel Data Transmission Using Hybrid Substrate Integrated Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1973-1984.	4.6	23
8	Compact Multi-Band PIFAs on a Semi-Populated Mobile Handset With Tunable Isolation. IEEE Transactions on Antennas and Propagation, 2013, 61, 4814-4819.	5.1	21
9	Isolation enhancement between tightly spaced compact unidirectional patch-antennas on multilayer EBG surfaces. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 30-38.	1.2	19
10	Investigation of parasitic elements for coupling reduction in multiantenna hand-set devices. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 1-10.	1.2	16
11	Analysis of Shielded Electromagnetic Bandgap Structures Using Multiconductor Transmission-Line Theory. IEEE Transactions on Advanced Packaging, 2010, 33, 236-245.	1.6	14
12	Experimental Evaluation of High-speed Data Transmission in a Waveguide-based Interconnect. , 2006, , .		13
13	Design of a compact miniaturized probe-fed patch antenna using electromagnetic bandgap structures. , 2010, , .		12
14	Dual-Mode High-Speed Data Transmission Using Substrate Integrated Waveguide Interconnects. , 2007, , .		10
15	Design and Evaluation of Radiated Emission Metamaterial Absorbers. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1314-1321.	2.2	9
16	Experimental Evaluations of Printed Circuit Board and On-Chip Inductors Backed by AMC Surfaces. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 720-723.	4.0	8
17	Multi-Port UHF RFID tag antenna for enhanced energy harvesting of self-powered wireless sensors. , 2014, , .		8
18	Highly-isolated unidirectional multi-slot-antenna systems for enhanced MIMO performance. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 289-297.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Suppression of radiated electromagnetic emissions using absorbing frequency selective surfaces. , 2017, , .		8
20	Investigation of the Performance of an EBG Waveguide-based Interconnect Used as a High-speed Serial Link. , 2006, , .		7
21	Suppression of Unwanted Harmonics Using Integrated Complementary Split-Ring Resonators in Nonlinear Transmission Line Frequency Multipliers. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 931-941.	4.6	7
22	A dual-band meander monopole antenna for on-body devices. , 2011, , .		7
23	Characterization of a 4 Å— 4 substrate integrated waveguide Butler matrix at 60 GHz for twoâ€dimensional beam steering. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21614.	1.2	7
24	Passive UHF RFID printed monopole tag antenna for identification of metallic objects. , 2012, , .		6
25	Compact printed monopole tag antennas for UHF RFID applications. , 2010, , .		5
26	Dual printed meander monopole antennas for passive UHF RFID tags. , 2011, , .		5
27	On-chip implementation of compact electromagnetic bandgap structures for 60GHz applications. , 2011, , .		5
28	Experiment of substrate integrated waveguide interconnect measurement for high speed data transmission application. Microwave and Optical Technology Letters, 2012, 54, 401-405.	1.4	5
29	System Level Electromagnetic Compatibility Remedy Using Absorbing Frequency Selective Surfaces. , 2018, , .		5
30	Metamaterial Absorbers for Lining System Shield Box and Packaging: Cavity Analysis and Equivalent Material Design. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1007-1014.	2.2	5
31	Design and characterization of a miniaturized patch antenna for passive UHF RFID applications. , 2012, , .		4
32	Suppression of power/ground noise using differential vias. , 2008, , .		3
33	Design and evaluation of a vertically integrated passive twoâ€dimensional beam switching antenna array at 60 GHz. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21930.	1.2	3
34	A Compact 2 by 2 Printed Yagi-Uda Antenna Array with Enhanced Isolation and Gain. , 2019, , .		3
35	Design of Compact Meander Delay Lines on Si Substrate. , 2006, , .		2
36	Inductance improvement by using artificial magnetic conductor surfaces. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	Experimental evaluation of a hybrid substrate integrated waveguide. , 2008, , .		2
38	Design of a SIW-based data communication system using a SIW six-port receiver. , 2009, , .		2
39	Dispersion-Equalization Techniques for Substrate Integrated Waveguide Interconnects. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	4.6	2
40	Mitigation and Identification of the Cause of Radiated Emissions in an 8 Gbps High-Speed System. , 2019, , .		2
41	Design of Metamaterial Impedance Matching Surfaces at Near Field for EMC Solutions. , 2020, , .		2
42	A study of signal propagation in nonlinear interconnects. , 0, , .		1
43	Teaching Electromagnetic Compatibility with Emphasis on Signal Integrity in Designing Simulation and Laboratory Experiments. , 2007, , .		1
44	Characterization of Metamaterial Interconnects. , 2007, , .		1
45	Hybrid substrate integrated waveguides developed using flexible substrates. , 2009, , .		1
46	Experimental Characterization of Lowpass and Highpass Interconnects. , 2007, , .		0
47	Implementation and measurement of millimeter-wave on-chip multi-antenna systems with high isolation. , 2012, , .		0
48	Design of a compact patch antenna backed by a multi-layer EBG structure using multi-conductor transmission line modeling. , 2012, , .		0
49	A DC to 6 GHz balanced elliptic low-pass filter in CMOS 130nm technology. , 2012, , .		0
50	Investigation of radiation characteristics of a PIFA-based semi-populated handset model for LTE B13. , 2012, , .		0
51	Characterization of Biological Tissues Using a Suspended Microstrip Ring Resonator. , 2019, , .		0
52	Miniaturized <scp>1D</scp> beam switching and <scp>2D</scp> printed <scp>Yagi-Uda</scp> antenna arrays. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22924.	1.2	0