

Ramesh Abhari

List of Publications by Year in descending order

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52
papers

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840776
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times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniaturized 1D beam switching and 2D printed Yagi-Uda antenna arrays. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22924.	1.2	0
2	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
3	Design of Metamaterial Impedance Matching Surfaces at Near Field for EMC Solutions. , 2020, , .		2
4	Design and evaluation of a vertically integrated passive two-dimensional beam switching antenna array at 60 GHz. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21930.	1.2	3
5	Design and Evaluation of Radiated Emission Metamaterial Absorbers. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1314-1321.	2.2	9
6	Mitigation and Identification of the Cause of Radiated Emissions in an 8 Gbps High-Speed System. , 2019, , .		2
7	Characterization of Biological Tissues Using a Suspended Microstrip Ring Resonator. , 2019, , .		0
8	A Compact 2 by 2 Printed Yagi-Uda Antenna Array with Enhanced Isolation and Gain. , 2019, , .		3
9	Characterization of a 4 × 4 substrate integrated waveguide Butler matrix at 60 GHz for two-dimensional beam steering. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21614.	1.2	7
10	System Level Electromagnetic Compatibility Remedy Using Absorbing Frequency Selective Surfaces. , 2018, , .		5
11	Suppression of radiated electromagnetic emissions using absorbing frequency selective surfaces. , 2017, , .		8
12	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
13	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
14	Multi-Port UHF RFID tag antenna for enhanced energy harvesting of self-powered wireless sensors. , 2014, , .		8
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Implementation and measurement of millimeter-wave on-chip multi-antenna systems with high isolation. , 2012, , .		0
20	Design of a compact patch antenna backed by a multi-layer EBG structure using multi-conductor transmission line modeling. , 2012, , .		0
21	Design and characterization of a miniaturized patch antenna for passive UHF RFID applications. , 2012, , .		4
22	A DC to 6 GHz balanced elliptic low-pass filter in CMOS 130nm technology. , 2012, , .		0
23	Passive UHF RFID printed monopole tag antenna for identification of metallic objects. , 2012, , .		6
24	Investigation of radiation characteristics of a PIFA-based semi-populated handset model for LTE B13. , 2012, , .		0
25	Design and Experimental Evaluation of Miniaturized Monopole UHF RFID Tag Antennas. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 248-251.	4.0	43
26	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
27	Dual printed meander monopole antennas for passive UHF RFID tags. , 2011, , .		5
28	A dual-band meander monopole antenna for on-body devices. , 2011, , .		7
29	On-chip implementation of compact electromagnetic bandgap structures for 60GHz applications. , 2011, , .		5
30	Compact printed monopole tag antennas for UHF RFID applications. , 2010, , .		5
31	Design of a compact miniaturized probe-fed patch antenna using electromagnetic bandgap structures. , 2010, , .		12
32	Dispersion-Equalization Techniques for Substrate Integrated Waveguide Interconnects. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	4.6	2
33	Analysis of Shielded Electromagnetic Bandgap Structures Using Multiconductor Transmission-Line Theory. IEEE Transactions on Advanced Packaging, 2010, 33, 236-245.	1.6	14
34	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
35	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
36	Design of a SIW-based data communication system using a SIW six-port receiver. , 2009, , .		2

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37	Hybrid substrate integrated waveguides developed using flexible substrates. , 2009, , .		1
38	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
39	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
40	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
41	Inductance improvement by using artificial magnetic conductor surfaces. , 2008, , .		2
42	Suppression of power/ground noise using differential vias. , 2008, , .		3
43	Experimental evaluation of a hybrid substrate integrated waveguide. , 2008, , .		2
44	Experimental Characterization of Lowpass and Highpass Interconnects. , 2007, , .		0
45	Teaching Electromagnetic Compatibility with Emphasis on Signal Integrity in Designing Simulation and Laboratory Experiments. , 2007, , .		1
46	Dual-Mode High-Speed Data Transmission Using Substrate Integrated Waveguide Interconnects. , 2007, , .		10
47	Characterization of Metamaterial Interconnects. , 2007, , .		1
48	Transition Structures for 3-D Integration of Substrate Integrated Waveguide Interconnects. IEEE Microwave and Wireless Components Letters, 2007, 17, 697-699.	3.2	35
49	Experimental Evaluation of High-speed Data Transmission in a Waveguide-based Interconnect. , 2006, , .		13
50	Design of Compact Meander Delay Lines on Si Substrate. , 2006, , .		2
51	Investigation of the Performance of an EBG Waveguide-based Interconnect Used as a High-speed Serial Link. , 2006, , .		7
52	A study of signal propagation in nonlinear interconnects. , 0, , .		1