

Halim Boutayeb

List of Publications by Year in descending order

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53
papers

744
citations

687363

13
h-index

552781

26
g-index

53
all docs

53
docs citations

53
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Gain Enhancement of a Microstrip Patch Antenna Using a Cylindrical Electromagnetic Crystal Substrate. IEEE Transactions on Antennas and Propagation, 2007, 55, 3140-3145.	5.1	111
2	Analysis and Design of a Cylindrical EBG-Based Directive Antenna. IEEE Transactions on Antennas and Propagation, 2006, 54, 211-219.	5.1	75
3	Hybrid Dielectric Resonator Antenna With Circular Mushroom-Like Structure for Gain Improvement. IEEE Transactions on Antennas and Propagation, 2009, 57, 1043-1049.	5.1	68
4	Directivity of an antenna embedded inside a Fabry-Perot cavity: Analysis and design. Microwave and Optical Technology Letters, 2006, 48, 12-17.	1.4	65
5	Noise and Sensitivity of Harmonic Radar Architecture for Remote Sensing and Detection of Vital Signs. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1847-1855.	4.6	65
6	Broadband Microstrip-Fed Dielectric Resonator Antenna for X-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 341-345.	4.0	49
7	FOCUSING CHARACTERISTICS OF A METALLIC CYLINDRICAL ELECTROMAGNETIC BAND GAP STRUCTURE WITH DEFECTS. Progress in Electromagnetics Research, 2006, 66, 89-103.	4.4	27
8	Internally Excited Fabry-Perot Type Cavity: Power Normalization and Directivity Evaluation. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 159-162.	4.0	23
9	Beam Switching Dual Polarized Antenna Array With Reconfigurable Radial Waveguide Power Dividers. IEEE Transactions on Antennas and Propagation, 2017, 65, 1807-1814.	5.1	21
10	Metallic Cylindrical EBG Structures With Defects: Directivity Analysis and Design Optimization. IEEE Transactions on Antennas and Propagation, 2007, 55, 3356-3361.	5.1	18
11	Integrated radar systems for precision monitoring of heartbeat and respiratory status. , 2009, , .		18
12	Band Structure Analysis of Reconfigurable Metallic Crystals: Effect of Active Elements. Journal of Electromagnetic Waves and Applications, 2007, 21, 2421-2430.	1.6	15
13	Deterministic Approach for Spatial Diversity Analysis of Radar Systems Using Near-Field Radar Cross Section of a Metallic Plate. IEEE Transactions on Antennas and Propagation, 2010, 58, 908-916.	5.1	15
14	Design of elliptical electromagnetic bandgap structures for directive antennas. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 93-96.	4.0	14
15	BANDWIDTH WIDENING TECHNIQUES FOR DIRECTIVE ANTENNAS BASED ON PARTIALLY REFLECTING SURFACES. Progress in Electromagnetics Research, 2007, 74, 407-419.	4.4	14
16	Band structure analysis of crystals with discontinuous metallic wires. IEEE Microwave and Wireless Components Letters, 2005, 15, 484-486.	3.2	11
17	MULTI-LAYER CRYSTALS OF METALLIC WIRES: ANALYSIS OF THE TRANSMISSION COEFFICIENT FOR OUTSIDE AND INSIDE EXCIATION. Progress in Electromagnetics Research, 2006, 59, 299-324.	4.4	10
18	Ultra-Wideband Bandpass Filters Using Multilayer Slot Coupled Transitions. Journal of Electromagnetic Waves and Applications, 2008, 22, 501-516.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Orbital angular momentum (OAM) modes for 2-D beam-steering of circular arrays. , 2016, , .		10
20	Dual-Band Linear Antenna Array for Harmonic Sensing Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1577-1580.	4.0	10
21	Analysis and Design of a High-Gain Antenna Based on Metallic Crystals. Journal of Electromagnetic Waves and Applications, 2006, 20, 599-614.	1.6	9
22	Dual band interleaved base station phased array antenna with optimized cross-dipole and EBG/AMC structure. , 2014, , .		9
23	Developing Broadband Microstrip Patch Antennas Fed by SIW Feeding Network for Spatially Low Cross-Polarization Situation. Sensors, 2022, 22, 3268.	3.8	9
24	Technique for Reducing the Power Supply in Reconfigurable Cylindrical Electromagnetic Bandgap Structures. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 424-425.	4.0	8
25	QUASI-METALLIC-WALL TECHNIQUE FOR INCREASING THE EFFICIENCY OF CB-CPW ANTENNAS. Progress in Electromagnetics Research, 2008, 78, 437-455.	4.4	8
26	Design of a new broadband dielectric resonator antenna. , 2006, , .		4
27	Comparison between two semi-analytical methods for computing the radiation characteristics of a Fabry-Pérot cavity. Microwave and Optical Technology Letters, 2006, 48, 1654-1656.	1.4	4
28	Reduction of active elements in agile EBG antennas using their second band-gap. , 2008, , .		4
29	Numerical and experimental analysis of metallic plate near-field RCS at oblique incidence and applications to radar systems. , 2009, , .		4
30	ANALYSIS AND DESIGN OF MILLIMETER-WAVE CIRCULARLY POLARIZED SUBSTRATE INTEGRATED TRAVELLING-WAVE ANTENNAS. Progress in Electromagnetics Research C, 2014, 49, 67-77.	0.9	4
31	Dispersion Characteristics of a Cylindrical Electromagnetic Band Gap Structure. IEEE Microwave and Wireless Components Letters, 2006, 16, 630-632.	3.2	3
32	Gain enhancement of a dielectric resonator antenna using a cylindrical electromagnetic crystal substrate. , 2007, , .		3
33	f/nf harmonic radar system with optimal detection of vital signs. , 2012, , .		3
34	Minimal-hardware 2-D steering of arbitrarily large circular arrays (combining axial patterns of) Tj ETQq0 0 0 rgBT /Overlock 10 ₃ Tf 50 142		
35	Metallic EBG structures for directive antennas using rectangular, cylindrical and elliptical shapes. , 0, , .		2
36	Technique for reducing surface wave at an air/left-handed medium (LHM) interface or excitation of the forward wave in an LHM. Microwave and Optical Technology Letters, 2009, 51, 280-284.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Noise and sensitivity analysis of harmonic radar system for vital sign detection. , 2013, , .		2
38	New reconfigurable power divider based on radial waveguide and cylindrical Electromagnetic Band Gap structure for low power and low cost smart antenna systems. , 2014, , .		2
39	High Gain Slot Array with Fabry-Perot Cavity Feeding Circuit. International Journal of Antennas and Propagation, 2016, 2016, 1-5.	1.2	2
40	Broadband collocated antennas with three orthogonal polarizations. , 2017, , .		2
41	Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz. , 2020, , .		2
42	Wide-band CEBG-based directive antenna. , 2007, , .		1
43	Analysis of different defect configurations in CEBG structures for directive patterns. , 2007, , .		1
44	Electronically steerable antenna using a circular patch surrounded by a reconfigurable circular mushroom-like substrate. , 2008, , .		1
45	Comparison between ray tracing and ray launching semianalytical methods for computing the radiation characteristics of a Fabry-Perot cavity. Microwave and Optical Technology Letters, 2015, 57, 13-15.	1.4	1
46	Comparison of circular, square cell and hexagonal cell artificial magnetic conductors for broadband staggered dipole arrays with low profile. , 2017, , .		1
47	Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications. , 2020, , .		1
48	Theoretical investigation of metallic elliptically periodic structures using Mathieu functions. Microwave and Optical Technology Letters, 2006, 48, 988-992.	1.4	0
49	New Configuration of Cylindrical EBG Structure for Beam Switching Antennas. , 2006, , .		0
50	Erratum for "Ultra-wideband CPW six-port circuits based on multilayer technology". Electronics Letters, 2007, 43, 1476.	1.0	0
51	Reduced-size microstrip four-pole bandpass filter using two-layer structure with quarter-wavelength resonators and open stub inverters. Microwave and Optical Technology Letters, 2008, 50, 1485-1487.	1.4	0
52	Analysis of Conformal Circular Array for the Design of mm-Wave Beam Steering Antenna with Substrate Integrated Frequency Selective Structure. , 2019, , .		0
53	Multi-Band/Wide Band Printed Quad Helical Antenna. , 2020, , .		0