

Mohamed Himdi

List of Publications by Year in descending order

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112
papers

1,556
citations

304743

22
h-index

345221

36
g-index

112
all docs

112
docs citations

112
times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	A Compact Double-Sided FSS Absorbing Wall for Decoupling 5G Antenna Arrays. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 303-314.	2.2	8
2	Optically Transparent Tri-Wideband Mosaic Frequency Selective Surface with Low Cross-Polarisation. Materials, 2022, 15, 622.	2.9	1
3	Integrated Slotted Serpentine Waveguide to Enhance Radiation Properties and Efficiency. IEEE Access, 2022, 10, 51093-51099.	4.2	0
4	Mosaic Frequency Selective Surface with Wideband Response for the Optically Transparent and Absorber Applications. , 2022, , .		0
5	Beam-Steerable Helical Antenna Using Plasma Reflectors. , 2022, , .		3
6	New reconfigurable HMSIW associated to horn antenna. , 2022, , .		0
7	Millimeter Wave Microstrip Antenna with CSRR for 5G Application. , 2021, , .		2
8	Compact Wide-Angle Scanning Multibeam Antenna Array for V2X Communications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2141-2145.	4.0	7
9	High Capacity and Miniaturized Flexible Chipless RFID Tag Using Modified Complementary Split Ring Resonator. IEEE Access, 2021, 9, 33929-33943.	4.2	21
10	A Circularly Polarized Sub-Terahertz Antenna With Low-Profile and High-Gain for 6G Wireless Communication Systems. IEEE Access, 2021, 9, 122607-122617.	4.2	19
11	Thermoelectric Sensor Coupled Yagi-Uda Nanoantenna for Infrared Detection. Electronics (Switzerland), 2021, 10, 527.	3.1	2
12	A 300-GHz low-cost high-gain fully metallic Fabry-Pérot cavity antenna for 6G terahertz wireless communications. Scientific Reports, 2021, 11, 7703.	3.3	25
13	Reconfigurable Coplanar Slotted SIW Antenna Array for Fixed Frequency Beam Scanning Applications. , 2021, , .		0
14	Experimental Realization of Sub-THz Circularly Polarized Antenna Based on Metasurface Superstrate at 300 GHz. Materials, 2021, 14, 4796.	2.9	1
15	Reconfigurable metamaterial structure for 5G beam tilting antenna applications. Waves in Random and Complex Media, 2021, 31, 2089-2102.	2.7	22
16	A Low-cost Sub-Terahertz Circularly Polarized Antenna for 6G Wireless Communications. , 2021, , .		1
17	Localization of unknown electromagnetic source using 3D-antenna arrays. International Journal of Microwave and Wireless Technologies, 2020, 12, 86-94.	1.9	1
18	Design of Coplanar Slotted SIW Antenna Arrays for Beam-Tilting and 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 4-8.	4.0	12

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19	Structural composite laminate materials with low dielectric loss: Theoretical model towards dielectric characterization. Composites Part C: Open Access, 2020, 3, 100050.	3.2	5
20	Beamwidth Control of a Helical Antenna Using Truncated Conical Plasma Reflectors. , 2020, , .		4
21	Sub-THz Circularly Polarized Horn Antenna Using Wire Electrical Discharge Machining for 6G Wireless Communications. IEEE Access, 2020, 8, 117245-117252.	4.2	39
22	Reconfigurable Radiation Pattern of Planar Antenna Using Metamaterial for 5G Applications. Materials, 2020, 13, 582.	2.9	16
23	Reconfigurable SIW Antenna for Fixed Frequency Beam Scanning and 5G Applications. IEEE Access, 2020, 8, 60084-60089.	4.2	32
24	An Improved Fabrication Technique for the 3-D Frequency Selective Surface based on Water Transfer Printing Technology. Scientific Reports, 2020, 10, 1714.	3.3	22
25	Displacement-Tolerant Printed Spiral Resonator With Capacitive Compensated-Plates for Non-Radiative Wireless Energy Transfer. IEEE Access, 2019, 7, 10037-10044.	4.2	10
26	Flexible conductive fabric/E-glass fibre composite ultra-wideband antenna for future wireless networks. IET Microwaves, Antennas and Propagation, 2019, 13, 455-459.	1.4	15
27	Sub-THz Antenna for High-Speed Wireless Communication Systems. International Journal of Antennas and Propagation, 2019, 2019, 1-9.	1.2	58
28	Dual mode modified double square ring resonator structure at 76 GHz. Microwave and Optical Technology Letters, 2019, 61, 1678-1682.	1.4	5
29	Vertical, Horizontal to Circular Polarization Reconfigurable Array Antenna with EBG Unit Cells. , 2019, , .		0
30	Compact Four-Element Phased Antenna Array for 5G Applications. IEEE Access, 2019, 7, 161103-161111.	4.2	12
31	Design of Parallel-series Microstrip Patch Antenna Array at mmWave, for future 5G applications. , 2019, , .		2
32	Improvement of 60 GHz Transparent Patch Antenna Array Performance Through Specific Double-Sided Micrometric Mesh Metal Technology. IEEE Access, 2019, 7, 2256-2262.	4.2	17
33	Flexible Convolute Ring Shaped FSS for X-Band Screening Application. IEEE Access, 2018, 6, 11657-11665.	4.2	55
34	A New Design of Reconfigurable SIW Antenna Conformal to Cylindrical Surface. , 2018, , .		1
35	HIS-EBG UNIT CELLS FOR PATTERN AND FREQUENCY RECONFIGURABLE DUAL BAND ARRAY ANTENNA. Progress in Electromagnetics Research M, 2018, 76, 123-132.	0.9	18
36	RECONFIGURABLE CYLINDRICAL PLASMA ANTENNA. Progress in Electromagnetics Research M, 2018, 66, 65-72.	0.9	5

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37	Inhomogeneous Lens Antenna using Pressed Foam Technological Process in MM Wave Range. , 2018, , .		2
38	60GHz optically transparent patch antenna arrays made of double-sided micrometric mesh metal layers. , 2018, , .		0
39	FM antenna with soft visual impact made from micrometric mesh metal technology. , 2018, , .		0
40	Single Layered 4×4 Butler Matrix Without Phase-Shifters and Crossovers. IEEE Access, 2018, 6, 77289-77298.	4.2	23
41	Comparison of the Microwave Performance of Transparent Monopole Antennas Made of Different Transparent Conducting Films. , 2018, , .		3
42	Passive Compressive Device in an MIMO Configuration at Millimeter Waves. IEEE Transactions on Antennas and Propagation, 2018, 66, 5558-5568.	5.1	5
43	A Passive Compressive Device Associated With a Luneburg Lens for Multibeam Radar at Millimeter Wave. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 938-941.	4.0	16
44	Yagi-Uda nantenna for 1550 nanometers optical communication systems. Microwave and Optical Technology Letters, 2018, 60, 2236-2242.	1.4	3
45	Mechanically Pattern-Reconfigurable Bended Horn Antenna for High-Power Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 457-460.	4.0	32
46	Lens Antenna for Wide Angle Beam Scanning at 79 GHz for Automotive Short Range Radar Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 2041-2046.	5.1	94
47	Performances of monopole plasma antenna. , 2017, , .		3
48	A wideband conformal flexible monopole antenna. , 2017, , .		1
49	Beam-scanning SIW antennas based on association of various shaped slots. , 2017, , .		2
50	Millimeter-Wave Fresnel Zone Plate Lens with new technological process. International Journal of Microwave and Wireless Technologies, 2017, 9, 939-944.	1.9	4
51	Multiband frequency-reconfigurable antenna using metamaterial structure of electromagnetic band gap. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	15
52	A Transparent and Flexible Polymer-Fabric Tissue UWB Antenna for Future Wireless Networks. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1333-1336.	4.0	87
53	Fresnel Lens at Millimeter-Wave: Enhancement of Efficiency and Radiation Frequency Bandwidth. IEEE Transactions on Antennas and Propagation, 2017, 65, 5776-5786.	5.1	10
54	Hexa-band printed monopole antenna for wireless applications. Microwave and Optical Technology Letters, 2017, 59, 2816-2822.	1.4	9

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55	Mesh parameters influence on transparent and active antennas performance at microwaves. AIP Advances, 2017, 7, .	1.3	14
56	Flexible and conformal printed monopoles for reconfigurable antennas. , 2017, , .		2
57	INTERMODULATION DISTORTION AND COMPRESSION POINT MEASUREMENT OF ACTIVE INTEGRATED ANTENNAS USING A RADIATIVE METHOD. Progress in Electromagnetics Research M, 2017, 54, 145-152.	0.9	0
58	MECHANICALLY RECONFIGURABLE RADIATION PATTERN SLOT ANTENNA ARRAY FEEDED BY BENDED SECTORAL HORN AND METALIZED WOOD SPLITTER. Progress in Electromagnetics Research C, 2017, 72, 159-165.	0.9	3
59	ELECTRICALLY RECONFIGURABLE RADIATION PATTERNS OF SLOT ANTENNA ARRAY USING AGILE PLASMA WALL. Progress in Electromagnetics Research C, 2017, 73, 75-80.	0.9	0
60	INVESTIGATION ON AN EFFECTIVE MAGNETIC PERMEABILITY OF THE ROD-SHAPED FERRITES. Progress in Electromagnetics Research Letters, 2017, 65, 43-48.	0.7	6
61	FLEXIBLE AND CONFORMAL PRINTED MONOPOLES ANTENNAS. Progress in Electromagnetics Research Letters, 2017, 67, 89-95.	0.7	9
62	SIMPLE APPROACH TO MINIATURIZED ANTENNA GAIN MEASUREMENT USING A PARALLEL PLATE CELL IN THE HF BAND. Progress in Electromagnetics Research M, 2016, 46, 11-18.	0.9	1
63	Nantenna for Standard 1550nm Optical Communication Systems. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	1.2	6
64	Dielectric Characteristics and Microwave Absorption of Graphene Composite Materials. Materials, 2016, 9, 825.	2.9	54
65	LOW-PROFILE AND SMALL CAPACITIVELY FED VHF ANTENNA. Progress in Electromagnetics Research Letters, 2016, 60, 31-38.	0.7	2
66	Reconfigurable Radiating Antenna Array Using Plasma Tubes. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1321-1324.	4.0	8
67	Optimising a nantenna array at 1550nm band. Micro and Nano Letters, 2016, 11, 779-782.	1.3	4
68	Performance of switchable patches array using plasma commercial fluorescent lamps. , 2016, , .		0
69	1Å–2 Equilateral Triangular Dielectric Resonator Nantenna array for optical communication. , 2016, , .		3
70	A simple setup to measure the realized gain of miniaturized antennas in the HF band. , 2016, , .		2
71	Reconfigurable Patch Antenna Radiations Using Plasma Faraday Shield Effect. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 726-729.	4.0	16
72	Design and characterization of a foam-based Mikaelian lens antennas in millimeter waves. International Journal of Microwave and Wireless Technologies, 2015, 7, 769-773.	1.9	4

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73	Equilateral Triangular Dielectric Resonator Nantenna at Optical Frequencies for Energy Harvesting. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	1.2	2
74	Slotted waveguide antenna with a near-field focused beam in one plane. IET Microwaves, Antennas and Propagation, 2015, 9, 634-639.	1.4	17
75	Hexagonal dielectric loaded nantenna for optical ITU-T C-band communication. , 2015, , .		2
76	FOAM BASED LUNEBURG LENS ANTENNA AT 60 GHZ. Progress in Electromagnetics Research Letters, 2014, 44, 1-7.	0.7	26
77	Light and cheap flat foam-based Luneburg lens antenna. , 2014, , .		1
78	Flat foam-based Mikaelian lens antenna for millimeter wave applications. , 2014, , .		3
79	Flat foam-based Mikaelian lens antenna for millimeter wave applications. , 2014, , .		6
80	Low-Return-Loss Printed Log-Periodic Dipole Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 503-506.	4.0	8
81	Technological Process to Control the Foam Dielectric Constant Application to Microwave Components and Antennas. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 938-942.	2.5	35
82	Performance and Radiation Patterns of a Reconfigurable Plasma Corner-Reflector Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1137-1140.	4.0	51
83	Compact Dual-Linear Polarized Wideband Antenna for VHF/UHF Band. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 801-804.	4.0	2
84	A 2D synthetic aperture radiometry demonstrator by switching strategy at X band. , 2013, , .		1
85	An Active Reconfigurable Antenna at 60 GHz Based on Plate Inhomogeneous Lens and Feeders. IEEE Transactions on Antennas and Propagation, 2013, 61, 1672-1678.	5.1	31
86	Membrane Antenna Arrays Fed by Substrate Integrated Waveguide for V-Band Communication. Microwave and Optical Technology Letters, 2013, 55, 1746-1752.	1.4	9
87	Large and Optically Transparent Multilayer for Broadband H-Shaped Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 933-936.	4.0	39
88	NEAR-FIELD FOCUSING IN ONE PLANE USING A LOADED SECTORAL HORN ANTENNA. Progress in Electromagnetics Research Letters, 2013, 37, 113-122.	0.7	3
89	Passive millimeter wave imaging: 2D sparse array optimization for low cost system architecture. , 2012, , .		2
90	60 GHz membrane supported aperture coupled patch antenna based on FR4 and new thin Pyralux substrate. , 2012, , .		3

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91	Synthesis of Sparse Planar Arrays for Passive Imaging Systems Based on Switch Submatrix. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1007-1011.	3.1	5
92	PERFORMANCE OF A LOZENGE MONOPOLE ANTENNA MADE OF PURE COMPOSITE LAMINATE. Progress in Electromagnetics Research Letters, 2012, 35, 115-123.	0.7	10
93	LOW COST 60 GHZ NEW THIN PYRALLIX MEMBRANE ANTENNAS FED BY SUBSTRATE INTEGRATED WAVEGUIDE. Progress in Electromagnetics Research B, 2012, 42, 207-224.	1.0	7
94	Ka-Band Phased Array Antenna for High-Data-Rate SATCOM. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 256-259.	4.0	67
95	Wideband Omnidirectional and Compact Antenna for VHF/UHF Band. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 3-6.	4.0	33
96	FREQUENCY TUNABLE ANTENNA FOR DIGITAL VIDEO BROADCASTING HAND-HELD APPLICATION. Progress in Electromagnetics Research Letters, 2011, 24, 1-8.	0.7	3
97	RADIOFREQUENCY PERFORMANCES OF TRANSPARENT ULTRA-WIDEBAND ANTENNAS. Progress in Electromagnetics Research C, 2011, 22, 259-271.	0.9	32
98	Efficient and high-gain aperture coupled superstrate antenna arrays for 60 GHz indoor communication systems. Microwave and Optical Technology Letters, 2010, 52, 2352-2356.	1.4	6
99	Wideband and high efficient aperture antenna with superstrate for 60 GHz indoor communication systems. , 2010, , .		5
100	Quasi-Unidirectional Radiation Pattern of Monopole Coupled Loop Antenna. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 732-735.	4.0	9
101	Circuit Modeling of a Small Broadband Conical Antenna. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 96-99.	4.0	8
102	A Novel Broadband Eighth-Wave Conical Antenna. IEEE Transactions on Antennas and Propagation, 2008, 56, 2112-2116.	5.1	27
103	A Novel Reduced-Height Broadband Monopole. , 2008, , .		1
104	Scattering of Spherically and Hemispherically Stratified Lenses Fed by Any Real Source. IEEE Transactions on Antennas and Propagation, 2008, 56, 450-460.	5.1	26
105	Comparative Design and Analysis of Luneburg and Half Maxwell Fish-Eye Lens Antennas. IEEE Transactions on Antennas and Propagation, 2008, 56, 3058-3062.	5.1	56
106	A tactical broadband omnidirectional antenna. , 2008, , .		3
107	Design Optimization of Multishell Luneburg Lenses. IEEE Transactions on Antennas and Propagation, 2007, 55, 283-289.	5.1	102
108	Scattering of stratified lenses illuminated by any real source. , 2007, , .		0

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109	Off-Axis Performances of Half Maxwell Fish-Eye Lens Antennas at 77 GHz. IEEE Transactions on Antennas and Propagation, 2007, 55, 479-482.	5.1	27
110	Reconfigurable Microstrip Antennas in Millimeter Waves. , 2006, , .		4
111	Shaped slot waveguide applied to beam scanning antennas. , 2004, , .		0
112	Design of a Discrete Luneburg Lens Fed by Slot-Excited Spherical-Circular Conformal Printed Antenna. , 2002, , .		0