Skarahim

List of Publications by Year
in descending order

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131 papers	1,964 citations	257450 24 h-index	315739 38 g-index
131 all docs	131 docs citations	131 times ranked	1924 citing authors

#	Article	IF	Citations
1	Analysis of Compact Dual-Band Metamaterial-Based Patch Antenna Design for Wearable Application. Arabian Journal for Science and Engineering, 2022, 47, 3509-3518.	3.0	9
2	Small Wideband Antenna for On-Metal UHF RFID Tag Design. IEEE Journal of Radio Frequency Identification, 2022, 6, 121-127.	2.3	8
3	Compact High-Selectivity Wide Stopband Microstrip Cross-Coupled Bandpass Filter With Spurline. IEEE Access, 2022, 10, 69866-69882.	4.2	3
4	Fully Fabric High Impedance Surface-Enabled Antenna for Wearable Medical Applications. IEEE Access, 2021, 9, 6948-6960.	4.2	23
5	Compact Wide-Angle Scanning Multibeam Antenna Array for V2X Communications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2141-2145.	4.0	7
6	Effect of Weather Condition on LoRa IoT Communication Technology in a Tropical Region: Malaysia. IEEE Access, 2021, 9, 72835-72843.	4.2	31
7	Multi-Objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch With Multiple Fuels and Valve Point Effects. IEEE Access, 2021, 9, 3988-4007.	4.2	8
8	A review of hybrid couplers: <scp>Stateâ€ofâ€theâ€art</scp>, applications, design issues and challenges. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2919.	1.9	12
9	A Review of Metasurfaces for Microwave Energy Transmission and Harvesting in Wireless Powered Networks. IEEE Access, 2021, 9, 27518-27539.	4.2	25
10	A Survey on Industry 4.0 for the Oil and Gas Industry: Upstream Sector. IEEE Access, 2021, 9, 144438-144468.	4.2	33
11	Electrically Small Spiral PIFA for Deep Implantable Devices. IEEE Access, 2020, 8, 158459-158474.	4.2	12
12	Dual-Band Resonator Designs for Near-Field Wireless Energy Transfer Applications. , 2020, , .		0
13	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
14	Printed Spiral Resonator for Displacement-Tolerant Near-Field Wireless Energy Transfer. IEEE Access, 2019, 7, 172055-172064.	4.2	10
15	Polymer conductive fabric grid array antenna with pliable feature for wearable application. Microwave and Optical Technology Letters, 2019, 61, 474-478.	1.4	5
16	A Game-Theoretical Modelling Approach for Enhancing the Physical Layer Security of Non-Orthogonal Multiple Access System. IEEE Access, 2019, 7, 5896-5904.	4.2	8
17	Null-Steering Beamforming for Enhancing the Physical Layer Security of Non-Orthogonal Multiple Access System. IEEE Access, 2019, 7, 11397-11409.	4.2	11
18	Flexible Convoluted Ring Shaped FSS for X-Band Screening Application. IEEE Access, 2018, 6, 11657-11665.	4.2	55

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19	Full-Duplex Cooperative Non-Orthogonal Multiple Access With Beamforming and Energy Harvesting. IEEE Access, 2018, 6, 19726-19738.	4.2	69
20	Wideband rectangular dielectric resonator antenna for lowâ€profile applications. IET Microwaves, Antennas and Propagation, 2018, 12, 115-119.	1.4	17
21	Beamforming in Wireless Energy Harvesting Communications Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1329-1360.	39.4	119
22	A Triple-Band Hybrid Rectangular Dielectric Resonator Antenna (RDRA) for 4G LTE Applications. Wireless Personal Communications, 2018, 98, 3021-3033.	2.7	13
23	Flexible wideband antenna for 5G applications. Microwave and Optical Technology Letters, 2018, 60, 38-44.	1.4	43
24	Semiâ€transparent frequency reconfigurable antenna with DGS. Microwave and Optical Technology Letters, 2018, 60, 6-13.	1.4	4
25	A Zero-Sum Game Approach for Non-Orthogonal Multiple Access Systems: Legitimate Eavesdropper Case. IEEE Access, 2018, 6, 58764-58773.	4.2	9
26	Single Layered $4imes4$ Butler Matrix Without Phase-Shifters and Crossovers. IEEE Access, 2018, 6, 77289-77298.	4.2	23
27	Low-Cost Printed Flexible Antenna by Using an Office Printer for Conformal Applications. International Journal of Antennas and Propagation, 2018, 2018, 1-7.	1.2	30
28	Branch-line coupler using PDMS and Shieldit Super fabric conductor. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	7
29	Low-power near-field magnetic wireless energy transfer links: A review of architectures and design approaches. Renewable and Sustainable Energy Reviews, 2017, 77, 486-505.	16.4	36
30	Low cost instantly printed silver nano ink flexible dual-band antenna onto paper substrate. , 2017, , .		9
31	Flexible branch-line coupler using rubber conductive Zoflex for conformal application. Microwave and Optical Technology Letters, 2017, 59, 1951-1955.	1.4	0
32	<scp>F</scp>lexible microstrip grid array polymerâ€conductive rubber antenna for 5G mobile communication applications. Microwave and Optical Technology Letters, 2017, 59, 1866-1870.	1.4	7
33	Miniaturized quadrature coupler using low-cost instant inkjet printing technology. Microwave and Optical Technology Letters, 2017, 59, 1819-1824.	1.4	2
34	Multiobjective Beampattern Optimization in Collaborative Beamforming via NSGA-II With Selective Distance. IEEE Transactions on Antennas and Propagation, 2017, 65, 2348-2357.	5.1	61
35	Compact monopole MIMO antenna for 5G application. Microwave and Optical Technology Letters, 2017, 59, 1074-1077.	1.4	8
36	Miniaturized dual-band antenna array with double-negative (DNG) metamaterial for wireless applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	11

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37	Left-handed compact MIMO antenna array based on wire spiral resonator for 5-GHz wireless applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	4
38	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
39	Assessment of multilayered graphene technology for flexible antennas at microwave frequencies. Microwave and Optical Technology Letters, 2017, 59, 2604-2610.	1.4	12
40	Compact ultrawideband MIMO dielectric resonator antennas with WLAN band rejection. IET Microwaves, Antennas and Propagation, 2017, 11, 1524-1529.	1.4	23
41	Distributed and Collaborative Beamforming in Wireless Sensor Networks: Classifications, Trends, and Research Directions. IEEE Communications Surveys and Tutorials, 2017, 19, 2092-2116.	39.4	120
42	Compact wideband circularly polarised dielectric resonator antenna. Electronics Letters, 2017, 53, 5-6.	1.0	21
43	Frequency reconfigurable antenna for WLAN application. Microwave and Optical Technology Letters, 2017, 59, 171-176.	1.4	14
44	Sidelobe reduction and capacity improvement of open-loop collaborative beamforming in wireless sensor networks. PLoS ONE, 2017, 12, e0175510.	2.5	18
45	Compact circularly polarized truncated square ring slot antenna with suppressed higher resonances. PLoS ONE, 2017, 12, e0172162.	2.5	7
46	3 dB Branch-Line Coupler with Improved Bandwidth Using PDMS and Zoflex Conductor. Advanced Science Letters, 2017, 23, 11378-11381.	0.2	2
47	Optimum Transmitter Receiver Ratio for Maximum Wireless Energy Transfer. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 5, 599.	0.8	0
48	Feasibility Evaluation of Flexible Antenna Substrates for Near-Field Wireless Energy Transfer. Advanced Science Letters, 2017, 23, 11517-11520.	0.2	0
49	Design of ultra wideband phase shifter with improved scattering parameter performances. , 2016, , .		0
50	Transparent Butler Matrix using Micro-metal Mesh conductive film as a conducting element. , 2016, , .		1
51	Simple compensation for lateral misalignments in resonant inductive coupling links. Electronics Letters, 2016, 52, 954-956.	1.0	5
52	15 GHz grid array antenna for 5G mobile communications system. Microwave and Optical Technology Letters, 2016, 58, 2977-2980.	1.4	13
53	Design of a flexible antenna using printed silver loaded epoxy on PDMS/plastic substrate for wearable applications. , 2016, , .		8
54	Compact <scp>MIMO</scp> antenna for indoor <scp>UWB</scp> applications. Microwave and Optical Technology Letters, 2016, 58, 2387-2393.	1.4	1

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55	Traceability Software for the Food Industry. , 2016, , 191-206.		0
56	Dual band miniaturized microstrip slot antenna for WLAN applications. Microwave and Optical Technology Letters, 2016, 58, 1358-1362.	1.4	11
57	Investigation on graphene based multilayer thin film patch antenna. , 2016, , .		2
58	Method to reduce distance-sensitivity within an operating range in HF-RFID WPT links. , 2016, , .		1
59	Two-Stage Design Method for Enhanced Inductive Energy Transmission with Q-Constrained Planar Square Loops. PLoS ONE, 2016, 11, e0148808.	2.5	15
60	CHARGING MANAGEMENT PROTOCOL FOR NEAR FIELD COMMUNICATION CHARGING. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
61	Mobile base station antenna composed of a cylindrical dielectric lens radome. , 2015, , .		1
62	Exploitation of the electromagnetic band gap (EBG) in 3-dB multi-layer branch-line coupler. , 2015, , .		2
63	Performance evaluation of RSS-based WSN indoor localization scheme using artificial neural network schemes. , 2015, , .		5
64	Dual band inverted h-shaped slot monopole antenna for WLAN applications. , 2015, , .		4
65	T-shape slotted array antenna through via for triple band applications. , 2015, , .		1
66	Slotted Log Periodic Antenna with first iteration Fractal Koch technique for UHF TVWS applications. , 2015, , .		0
67	PSOGSA-Explore: A new hybrid metaheuristic approach for beampattern optimization in collaborative beamforming. Applied Soft Computing Journal, 2015, 30, 229-237.	7.2	59
68	Frequency reconfigurable dielectric resonator antenna for WiMAX/WLAN applications. Microwave and Optical Technology Letters, 2015, 57, 579-582.	1.4	10
69	Transparent 0Â° phase shifter using microâ€metal mesh conductive film. Electronics Letters, 2015, 51, 841-843.	1.0	2
70	$$4imes 4$$ 4 Ã— 4 Ultra Wideband Butler Matrix for Switched Beam Array. Wireless Personal Communications, 2015, 82, 2471-2480.	2.7	1
71	Geometrical Enhancement of Planar Loop Antennas for Inductive Near-Field Data Links. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1762-1765.	4.0	10
72	Wireless Nonradiative Energy Transfer: Antenna performance enhancement techniques. IEEE Antennas and Propagation Magazine, 2015, 57, 16-22.	1.4	14

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73	COUPLING-BASED TURNS DISTRIBUTION FOR PLANAR SPIRAL COIL ANTENNAS IN NEAR FIELD MAGNETIC INDUCTION LINKS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
74	A compact 4 Ã— 4 butler matrix on doubleâ€layer substrate. Microwave and Optical Technology Letters, 2014, 56, 223-229.	1.4	6
75	Transparent Branch-Line Coupler Using Micro-Metal Mesh Conductive Film. IEEE Microwave and Wireless Components Letters, 2014, 24, 857-859.	3.2	13
76	Beampatten optimization in distributed beamforming using multiobjective and metaheuristic method. , 2014, , .		16
77	Investigation of wind and rain effects in a foliated tropical region for fixed wireless access. International Journal of Electronics, 2014, 101, 1314-1324.	1.4	2
78	An elliptically planar UWB monopole antenna with step slots defective ground structure. Microwave and Optical Technology Letters, 2014, 56, 2084-2088.	1.4	10
79	Multilayer phase shifter using aperture and broadsideâ€coupled microstrip lines. Microwave and Optical Technology Letters, 2014, 56, 1590-1593.	1.4	1
80	Electromagnetic Behaviors of Thin Film CPW-Fed CSRR Loaded on UWB Transparent Antenna. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1239-1242.	4.0	41
81	Dual band Trapezoidal antenna with Partial Ground and Meander line feed for GPS and WiMAX applications. Microwave and Optical Technology Letters, 2014, 56, 497-502.	1.4	6
82	Novel compact inverted Uâ€shaped directional coupler using parallel dual transmission lines technique. Microwave and Optical Technology Letters, 2014, 56, 251-256.	1.4	0
83	CPW-Fed Transparent Antenna for Extended Ultrawideband Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1251-1254.	4.0	83
84	Design of Wideband Rectangular-Shaped Coupler with Virtual Short Stubs for Wireless Communication Applications. Wireless Personal Communications, 2013, 73, 1331-1342.	2.7	5
85	A compact 3-dB coupler on a dual substrate layer with a rectangular slotted microstrip ground plane. , 2013, , .		12
86	Directional UWB antenna with a parabolic ground structure and split ring resonator for a 5.8â€‰GHz band notch. Journal of Electromagnetic Waves and Applications, 2013, 27, 14-22.	1.6	4
87	Design of 3.1â€“12ÂGHz Printed Elliptical Disc Monopole Antenna with Half Circular Modified Ground Plane for UWB Application. Wireless Personal Communications, 2013, 69, 535-549.	2.7	26
88	A design of octagonâ€shaped 3â€dB ultra wideband coupler using multilayer technology. Microwave and Optical Technology Letters, 2013, 55, 127-130.	1.4	7
89	A Design of Compact Ultra Wideband Coupler for Butler Matrix. Wireless Personal Communications, 2013, 70, 915-926.	2.7	4
90	Review of Rain Attenuation Studies in Tropical and Equatorial Regions in Malaysia: An Overview. IEEE Antennas and Propagation Magazine, 2013, 55, 103-113.	1.4	19

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91	A Coplanar Waveguide Fed Two Arm Archimedean Spiral Slot Antenna With Improved Bandwidth. IEEE Transactions on Antennas and Propagation, 2013, 61, 939-943.	5.1	49
92	Compact Wideâ€Band Branchâ€Line Coupler with Meander Line, Cross, and Twoâ€Step Stubs. Microwave and Optical Technology Letters, 2013, 55, 1810-1815.	1.4	14
93	RFID Vehicle Plate Number (E-Plate) for Tracking and Management System. , 2013, , .		3
94	Dual-Band, Switched-Beam, Reconfigurable Antenna for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1500-1503.	4.0	24
95	A dualâ€band array antenna using domeâ€shaped radiating patches. Microwave and Optical Technology Letters, 2013, 55, 2680-2686.	1.4	4
96	Ultrawideband Dielectric Resonator Antenna With WLAN Band Rejection at 5.8 GHz. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1523-1526.	4.0	34
97	Frequency-Reconfigurable Rectangular Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1331-1334.	4.0	34
98	Frequency-Reconfigurable Archimedean Spiral Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1504-1507.	4.0	15
99	Compact Uwb Multilayer 3 Db Directional Coupler Design And Analysis on Coupler Performances. Microwave and Optical Technology Letters, 2013, 55, 2214-2219.	1.4	7
100	Reconfigurable wideband and narrowband tapered slot Vivaldi antenna with ring slot pairs. Journal of Electromagnetic Waves and Applications, 2013, 27, 276-287.	1.6	14
101	Dual-band, parabolic, slotted ground plane-directive antenna for WLAN applications. Journal of Electromagnetic Waves and Applications, 2013, 27, 205-214.	1.6	4
102	ARCHIMEDEAN SPIRAL ANTENNA WITH BAND-NOTCHED CHARACTERISTICS. Progress in Electromagnetics Research C, 2013, 37, 83-94.	0.9	4
103	THE IMPROVEMENT OF ARRAY ANTENNA PERFORMANCE WITH THE IMPLEMENTATION OF AN ARTIFICIAL MAGNETIC CONDUCTOR (AMC) GROUND PLANE AND IN-PHASE SUPERSTRATE. Progress in Electromagnetics Research, 2013, 140, 147-167.	4.4	29
104	A PARETO ELITE SELECTION GENETIC ALGORITHM FOR RANDOM ANTENNA ARRAY BEAMFORMING WITH LOW SIDELOBE LEVEL. Progress in Electromagnetics Research B, 2013, 51, 407-425.	1.0	14
105	WIDEBAND PLANAR WILKINSON POWER DIVIDER USING DOUBLE-SIDED PARALLEL-STRIP LINE TECHNIQUE. Progress in Electromagnetics Research C, 2013, 36, 181-193.	0.9	6
106	Active RFID Technology for Asset Tracking and Management System. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	10
107	A 45° phase shifter in microstrip-slot technology for beam forming network application. , 2012, , .		2
108	Backlobe reduction using mushroom-like EBG structure. , 2012, , .		10

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109	Microwave Signal Attenuation Over Terrestrial Link at 26ÂGHz in Malaysia. Wireless Personal Communications, 2012, 67, 647-664.	2.7	3
110	A NOVEL GREEN ANTENNA PHASE-SHIFT SYSTEM WITH DATA ACQUISITION BOARDS. Progress in Electromagnetics Research B, 2012, 41, 137-152.	1.0	1
111	Low cost and compact directional coupler for ultrawideband applications. Microwave and Optical Technology Letters, 2012, 54, 670-674.	1.4	8
112	UWB monopole antenna with circular polarization. Microwave and Optical Technology Letters, 2012, 54, 949-953.	1.4	28
113	Measurement of Wet Antenna Losses on 26ÂGHz Terrestrial Microwave Link in Malaysia. Wireless Personal Communications, 2012, 64, 225-231.	2.7	11
114	Branch line coupler using hybrid Tâ€model structure. Microwave and Optical Technology Letters, 2012, 54, 237-240.	1.4	5
115	Beam Forming Networks Using Reduced Size Butler Matrix. Wireless Personal Communications, 2012, 63, 765-784.	2.7	14
116	Realization of a compact branch line couple using semi-lumped element. , 2011, , .		2
117	Interference Coupling Loss Between Highaltitude Platform Gateway and Fixed Satellite Service Earth Station at 5850â€“7075 MHz. Journal of Electromagnetic Waves and Applications, 2011, 25, 339-350.	1.6	3
118	Empirically Derived Path Reduction Factor for Terrestrial Microwave Links Operating at 15 Ghz in Peninsula Malaysia. Journal of Electromagnetic Waves and Applications, 2011, 25, 23-37.	1.6	30
119	A Dual-Band Diamond-Shaped Antenna for RFID Application. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 979-982.	4.0	28
120	Miniaturize size of dual band branchâ€line coupler by implementing reduced series arm of coupler with stub loaded. Microwave and Optical Technology Letters, 2011, 53, 819-822.	1.4	7
121	Dual-band printed monopole slot antenna with combination of L-slot and ARM-slot for WLAN application. Microwave and Optical Technology Letters, 2011, 53, 2668-2673.	1.4	10
122	Miniaturized size of dualâ€bandâ€meandered branchâ€line coupler for WLAN application. Microwave and Optical Technology Letters, 2011, 53, 2543-2547.	1.4	4
123	Potential interference and rain attenuation at 21.4â€“22â€‰GHz downlink broadcasting satellite signals. International Journal of Electronics, 2011, 98, 1721-1731.	1.4	4
124	Adaptive antenna on cascaded Butler Matrices system. Microwave and Optical Technology Letters, 2010, 52, 847-849.	1.4	0
125	2.45 GHz and 5.8 GHz Compact Dual-Band Circularly Polarized Patch Antenna. Journal of Electromagnetic Waves and Applications, 2010, 24, 1473-1482.	1.6	36
126	Error Vector Magnitude Measurement On Cascaded Butler Matrices System. , 2007, , .		0

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127	Beamforming networks using cascaded Butler Matrices. , 2007, , .		7
128	Adaptive antenna system using cascaded butler matrices. , 2007, , .		0
129	Dual butler matrix active antenna system. Microwave and Optical Technology Letters, 2007, 49, 3004-3007.	1.4	4
130	SNR measurement in a beamforming network. Microwave and Optical Technology Letters, 2007, 49, 2968-2973.	1.4	0
131	Recent advances in ASP flooding and the implementation of nanoparticles to enhance oil recovery: a short review. Petroleum Science and Technology, 0, , 1-18.	1.5	3