

# Skarahim

## List of Publications by Year in descending order

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docs citations

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times ranked

1924  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Beamforming in Wireless Energy Harvesting Communications Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 1329-1360.	39.4	119
3	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
4	CPW-Fed Transparent Antenna for Extended Ultrawideband Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1251-1254.	4.0	83
5	Full-Duplex Cooperative Non-Orthogonal Multiple Access With Beamforming and Energy Harvesting. IEEE Access, 2018, 6, 19726-19738.	4.2	69
6	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
7	PSOGSA-Explore: A new hybrid metaheuristic approach for beampattern optimization in collaborative beamforming. Applied Soft Computing Journal, 2015, 30, 229-237.	7.2	59
8	Flexible Convoluted Ring Shaped FSS for X-Band Screening Application. IEEE Access, 2018, 6, 11657-11665.	4.2	55
9	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
10	Flexible wideband antenna for 5G applications. Microwave and Optical Technology Letters, 2018, 60, 38-44.	1.4	43
11	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
12	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
13	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
14	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
15	Frequency-Reconfigurable Rectangular Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1331-1334.	4.0	34
16	A Survey on Industry 4.0 for the Oil and Gas Industry: Upstream Sector. IEEE Access, 2021, 9, 144438-144468.	4.2	33
17	Effect of Weather Condition on LoRa IoT Communication Technology in a Tropical Region: Malaysia. IEEE Access, 2021, 9, 72835-72843.	4.2	31
18	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

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19	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
20	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
21	A Dual-Band Diamond-Shaped Antenna for RFID Application. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 979-982.	4.0	28
22	UWB monopole antenna with circular polarization. Microwave and Optical Technology Letters, 2012, 54, 949-953.	1.4	28
23	Design of 3.1-12GHz Printed Elliptical Disc Monopole Antenna with Half Circular Modified Ground Plane for UWB Application. Wireless Personal Communications, 2013, 69, 535-549.	2.7	26
24	A Review of Metasurfaces for Microwave Energy Transmission and Harvesting in Wireless Powered Networks. IEEE Access, 2021, 9, 27518-27539.	4.2	25
25	Dual-Band, Switched-Beam, Reconfigurable Antenna for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1500-1503.	4.0	24
26	Compact ultrawideband MIMO dielectric resonator antennas with WLAN band rejection. IET Microwaves, Antennas and Propagation, 2017, 11, 1524-1529.	1.4	23
27	Single Layered 4x4 Butler Matrix Without Phase-Shifters and Crossovers. IEEE Access, 2018, 6, 77289-77298.	4.2	23
28	Fully Fabric High Impedance Surface-Enabled Antenna for Wearable Medical Applications. IEEE Access, 2021, 9, 6948-6960.	4.2	23
29	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
30	Compact wideband circularly polarised dielectric resonator antenna. Electronics Letters, 2017, 53, 5-6.	1.0	21
31	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
32	Sidelobe reduction and capacity improvement of open-loop collaborative beamforming in wireless sensor networks. PLoS ONE, 2017, 12, e0175510.	2.5	18
33	Wideband rectangular dielectric resonator antenna for low-profile applications. IET Microwaves, Antennas and Propagation, 2018, 12, 115-119.	1.4	17
34	Beam pattern optimization in distributed beamforming using multiobjective and metaheuristic method. , 2014, , .		16
35	Frequency-Reconfigurable Archimedean Spiral Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1504-1507.	4.0	15
36	Two-Stage Design Method for Enhanced Inductive Energy Transmission with Q-Constrained Planar Square Loops. PLoS ONE, 2016, 11, e0148808.	2.5	15

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37	Beam Forming Networks Using Reduced Size Butler Matrix. <i>Wireless Personal Communications</i> , 2012, 63, 765-784.	2.7	14
38	Compact Wide-Band Branch-Line Coupler with Meander Line, Cross, and Two-Step Stubs. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 1810-1815.	1.4	14
39	Reconfigurable wideband and narrowband tapered slot Vivaldi antenna with ring slot pairs. <i>Journal of Electromagnetic Waves and Applications</i> , 2013, 27, 276-287.	1.6	14
40	A PARETO ELITE SELECTION GENETIC ALGORITHM FOR RANDOM ANTENNA ARRAY BEAMFORMING WITH LOW SIDELobe LEVEL. <i>Progress in Electromagnetics Research B</i> , 2013, 51, 407-425.	1.0	14
41	Wireless Nonradiative Energy Transfer: Antenna performance enhancement techniques. <i>IEEE Antennas and Propagation Magazine</i> , 2015, 57, 16-22.	1.4	14
42	Frequency reconfigurable antenna for WLAN application. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 171-176.	1.4	14
43	Transparent Branch-Line Coupler Using Micro-Metal Mesh Conductive Film. <i>IEEE Microwave and Wireless Components Letters</i> , 2014, 24, 857-859.	3.2	13
44	15 GHz grid array antenna for 5G mobile communications system. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 2977-2980.	1.4	13
45	A Triple-Band Hybrid Rectangular Dielectric Resonator Antenna (RDRA) for 4G LTE Applications. <i>Wireless Personal Communications</i> , 2018, 98, 3021-3033.	2.7	13
46	A compact 3-dB coupler on a dual substrate layer with a rectangular slotted microstrip ground plane. , 2013, , .		12
47	Assessment of multilayered graphene technology for flexible antennas at microwave frequencies. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 2604-2610.	1.4	12
48	Electrically Small Spiral PIFA for Deep Implantable Devices. <i>IEEE Access</i> , 2020, 8, 158459-158474.	4.2	12
49	A review of hybrid couplers: <scp>State-of-the-art</scp>, applications, design issues and challenges. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, e2919.	1.9	12
50	Measurement of Wet Antenna Losses on 26GHz Terrestrial Microwave Link in Malaysia. <i>Wireless Personal Communications</i> , 2012, 64, 225-231.	2.7	11
51	Dual band miniaturized microstrip slot antenna for WLAN applications. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 1358-1362.	1.4	11
52	Miniaturized dual-band antenna array with double-negative (DNG) metamaterial for wireless applications. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	11
53	Null-Steering Beamforming for Enhancing the Physical Layer Security of Non-Orthogonal Multiple Access System. <i>IEEE Access</i> , 2019, 7, 11397-11409.	4.2	11
54	Dual-band printed monopole slot antenna with combination of L-slot and ARM-slot for WLAN application. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 2668-2673.	1.4	10

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55	Backlobe reduction using mushroom-like EBG structure. , 2012, , .		10
56	An elliptically planar UWB monopole antenna with step slots defective ground structure. Microwave and Optical Technology Letters, 2014, 56, 2084-2088.	1.4	10
57	Frequency reconfigurable dielectric resonator antenna for WiMAX/WLAN applications. Microwave and Optical Technology Letters, 2015, 57, 579-582.	1.4	10
58	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
59	Printed Spiral Resonator for Displacement-Tolerant Near-Field Wireless Energy Transfer. IEEE Access, 2019, 7, 172055-172064.	4.2	10
60	Active RFID Technology for Asset Tracking and Management System. Telkomnika (Telecommunication) Tj ETQq0 0 0 r gBT /Overlock 10 T	0.8	10
61	Low cost instantly printed silver nano ink flexible dual-band antenna onto paper substrate. , 2017, , .		9
62	A Zero-Sum Game Approach for Non-Orthogonal Multiple Access Systems: Legitimate Eavesdropper Case. IEEE Access, 2018, 6, 58764-58773.	4.2	9
63	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
64	Low cost and compact directional coupler for ultrawideband applications. Microwave and Optical Technology Letters, 2012, 54, 670-674.	1.4	8
65	Design of a flexible antenna using printed silver loaded epoxy on PDMS/plastic substrate for wearable applications. , 2016, , .		8
66	Compact monopole MIMO antenna for 5G application. Microwave and Optical Technology Letters, 2017, 59, 1074-1077.	1.4	8
67	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
68	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
69	Small Wideband Antenna for On-Metal UHF RFID Tag Design. IEEE Journal of Radio Frequency Identification, 2022, 6, 121-127.	2.3	8
70	Beamforming networks using cascaded Butler Matrices. , 2007, , .		7
71	Miniaturize size of dual band branchâ€šline coupler by implementing reduced series arm of coupler with stub loaded. Microwave and Optical Technology Letters, 2011, 53, 819-822.	1.4	7
72	A design of octagonâ€šshaped 3â€šdB ultra wideband coupler using multilayer technology. Microwave and Optical Technology Letters, 2013, 55, 127-130.	1.4	7

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73	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
74	Branch-line coupler using PDMS and Shieldit Super fabric conductor. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	7
75	<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
76	Compact circularly polarized truncated square ring slot antenna with suppressed higher resonances. PLoS ONE, 2017, 12, e0172162.	2.5	7
77	Compact Wide-Angle Scanning Multibeam Antenna Array for V2X Communications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2141-2145.	4.0	7
78	WIDEBAND PLANAR WILKINSON POWER DIVIDER USING DOUBLE-SIDED PARALLEL-STRIP LINE TECHNIQUE. Progress in Electromagnetics Research C, 2013, 36, 181-193.	0.9	6
79	A compact 4 Å— 4 butler matrix on doubleâ€layer substrate. Microwave and Optical Technology Letters, 2014, 56, 223-229.	1.4	6
80	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
81	Branch line coupler using hybrid Tâ€model structure. Microwave and Optical Technology Letters, 2012, 54, 237-240.	1.4	5
82	Design of Wideband Rectangular-Shaped Coupler with Virtual Short Stubs for Wireless Communication Applications. Wireless Personal Communications, 2013, 73, 1331-1342.	2.7	5
83	Performance evaluation of RSS-based WSN indoor localization scheme using artificial neural network schemes. , 2015, , .		5
84	Simple compensation for lateral misalignments in resonant inductive coupling links. Electronics Letters, 2016, 52, 954-956.	1.0	5
85	Polymer conductive fabric grid array antenna with pliable feature for wearable application. Microwave and Optical Technology Letters, 2019, 61, 474-478.	1.4	5
86	Dual butler matrix active antenna system. Microwave and Optical Technology Letters, 2007, 49, 3004-3007.	1.4	4
87	Miniaturized size of dualâ€bandâ€meandered branchâ€line coupler for WLAN application. Microwave and Optical Technology Letters, 2011, 53, 2543-2547.	1.4	4
88	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
89	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
90	A Design of Compact Ultra Wideband Coupler for Butler Matrix. Wireless Personal Communications, 2013, 70, 915-926.	2.7	4

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91	A dual-band array antenna using dome-shaped radiating patches. Microwave and Optical Technology Letters, 2013, 55, 2680-2686.	1.4	4
92	Dual-band, parabolic, slotted ground plane-directive antenna for WLAN applications. Journal of Electromagnetic Waves and Applications, 2013, 27, 205-214.	1.6	4
93	ARCHIMEDEAN SPIRAL ANTENNA WITH BAND-NOTCHED CHARACTERISTICS. Progress in Electromagnetics Research C, 2013, 37, 83-94.	0.9	4
94	Dual band inverted h-shaped slot monopole antenna for WLAN applications. , 2015, , .		4
95	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
96	Semi-transparent frequency reconfigurable antenna with DGS. Microwave and Optical Technology Letters, 2018, 60, 6-13.	1.4	4
97	Interference Coupling Loss Between Highaltitude Platform Gateway and Fixed Satellite Service Earth Station at 5850-7075 MHz. Journal of Electromagnetic Waves and Applications, 2011, 25, 339-350.	1.6	3
98	Microwave Signal Attenuation Over Terrestrial Link at 26 GHz in Malaysia. Wireless Personal Communications, 2012, 67, 647-664.	2.7	3
99	RFID Vehicle Plate Number (E-Plate) for Tracking and Management System. , 2013, , .		3
100	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
101	Compact High-Selectivity Wide Stopband Microstrip Cross-Coupled Bandpass Filter With Spurline. IEEE Access, 2022, 10, 69866-69882.	4.2	3
102	Realization of a compact branch line couple using semi-lumped element. , 2011, , .		2
103	A 45° phase shifter in microstrip-slot technology for beam forming network application. , 2012, , .		2
104	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
105	Exploitation of the electromagnetic band gap (EBG) in 3-dB multi-layer branch-line coupler. , 2015, , .		2
106	Transparent 0° phase shifter using micro-metal mesh conductive film. Electronics Letters, 2015, 51, 841-843.	1.0	2
107	Investigation on graphene based multilayer thin film patch antenna. , 2016, , .		2
108	Miniaturized quadrature coupler using low-cost instant inkjet printing technology. Microwave and Optical Technology Letters, 2017, 59, 1819-1824.	1.4	2

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109	3 dB Branch-Line Coupler with Improved Bandwidth Using PDMS and Zoflex Conductor. Advanced Science Letters, 2017, 23, 11378-11381.	0.2	2
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	Multilayer phase shifter using aperture and broadside-coupled microstrip lines. Microwave and Optical Technology Letters, 2014, 56, 1590-1593.	1.4	1
112	Mobile base station antenna composed of a cylindrical dielectric lens radome. , 2015, , .		1
113	T-shape slotted array antenna through via for triple band applications. , 2015, , .		1
114	4x4 Ultra Wideband Butler Matrix for Switched Beam Array. Wireless Personal Communications, 2015, 82, 2471-2480.	2.7	1
115	Transparent Butler Matrix using Micro-metal Mesh conductive film as a conducting element. , 2016, , .		1
116	Compact MIMO antenna for indoor UWB applications. Microwave and Optical Technology Letters, 2016, 58, 2387-2393.	1.4	1
117	Method to reduce distance-sensitivity within an operating range in HF-RFID WPT links. , 2016, , .		1
118	Error Vector Magnitude Measurement On Cascaded Butler Matrices System. , 2007, , .		0
119	Adaptive antenna system using cascaded butler matrices. , 2007, , .		0
120	SNR measurement in a beamforming network. Microwave and Optical Technology Letters, 2007, 49, 2968-2973.	1.4	0
121	Adaptive antenna on cascaded Butler Matrices system. Microwave and Optical Technology Letters, 2010, 52, 847-849.	1.4	0
122	Novel compact inverted U-shaped directional coupler using parallel dual transmission lines technique. Microwave and Optical Technology Letters, 2014, 56, 251-256.	1.4	0
123	Slotted Log Periodic Antenna with first iteration Fractal Koch technique for UHF TVWS applications. , 2015, , .		0
124	Design of ultra wideband phase shifter with improved scattering parameter performances. , 2016, , .		0
125	Traceability Software for the Food Industry. , 2016, , 191-206.		0
126	Flexible branch-line coupler using rubber conductive Zoflex for conformal application. Microwave and Optical Technology Letters, 2017, 59, 1951-1955.	1.4	0



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127	Dual-Band Resonator Designs for Near-Field Wireless Energy Transfer Applications. , 2020, , .		0
128	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
129	CHARGING MANAGEMENT PROTOCOL FOR NEAR FIELD COMMUNICATION CHARGING. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
130	Optimum Transmitter Receiver Ratio for Maximum Wireless Energy Transfer. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 5, 599.	0.8	0
131	Feasibility Evaluation of Flexible Antenna Substrates for Near-Field Wireless Energy Transfer. Advanced Science Letters, 2017, 23, 11517-11520.	0.2	0