

Farooq A Tahir

List of Publications by Year in descending order

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102
papers

1,784
citations

304743

22
h-index

302126

39
g-index

104
all docs

104
docs citations

104
times ranked

1373
citing authors

#	ARTICLE	IF	CITATIONS
1	A 32-Bit Single Quadrant Angle-Controlled Chipless Tag for Radio Frequency Identification Applications. <i>Sensors</i> , 2022, 22, 2492.	3.8	7
2	A highly efficient low-cost reflective anisotropic metasurface for linear to linearly cross- and circular-polarization conversion. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 1346-1353.	1.4	5
3	Dual-Band Compact Rectenna for UHF and ISM Wireless Power Transfer Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 2392-2397.	5.1	25
4	A Multifunctional Polarization Transforming Metasurface for C-, X-, and K-Band Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 2186-2190.	4.0	29
5	Wave discrimination at C-band frequencies in microstrip structures inspired by electromagnetically induced transparency. <i>Scientific Reports</i> , 2021, 11, 2983.	3.3	4
6	A Sub-6 GHz MIMO Antenna Array for 5G Wireless Terminals. <i>Electronics (Switzerland)</i> , 2021, 10, 3062.	3.1	23
7	Multiband linear and circular polarization converting anisotropic metasurface for wide incidence angles. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 095005.	2.8	21
8	A HIGHLY BENDABLE LOG-PERIODIC ARRAY ANTENNA FOR FLEXIBLE ELECTRONICS. <i>Progress in Electromagnetics Research M</i> , 2020, 96, 99-107.	0.9	2
9	An Efficient Anisotropic Metasurface for Linear and Circular-Polarization Conversion Applications. , 2020, , .		3
10	Multiband Reconfigurable MIMO Antenna for GSM/GPS/GLONASS/LTE/WWAN Wireless Terminals. , 2020, , .		3
11	Comment on "Wide band metamaterial absorber for Ku and K band applications" [J. Appl. Phys. 126, 175104 (2019)]. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	2
12	Diamond step-index nanowaveguide to structure light efficiently in near and deep ultraviolet regimes. <i>Scientific Reports</i> , 2020, 10, 18502.	3.3	14
13	A novel compact folded zeroth-order resonant antenna for Internet of Things USB dongle applications. <i>Electromagnetics</i> , 2020, 40, 244-253.	0.7	0
14	Co-planar-waveguide fed Circularly Polarized Antenna for Wireless WLAN/LTE Applications. <i>Electromagnetics</i> , 2020, 40, 354-363.	0.7	5
15	Multifunctional Single Layer Metasurface Based on Hexagonal Split Ring Resonator. <i>IEEE Access</i> , 2020, 8, 28054-28063.	4.2	28
16	A Novel Snowflake Fractal Antenna for Dual-Beam Applications in 28 GHz Band. <i>IEEE Access</i> , 2020, 8, 19873-19879.	4.2	42
17	A High Gain and Wideband Narrow-Beam Antenna for 5G Millimeter-Wave Applications. <i>IEEE Access</i> , 2020, 8, 29430-29434.	4.2	47
18	A wideband rhombus monopole antenna array for millimeter wave applications. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 2111-2117.	1.4	13

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19	A 12-bit Hexagonal Chip-less Tag for Radio Frequency Identification Applications. , 2020, , .		4
20	A Compact Chip-less RFID Tag for IoT Applications. , 2020, , .		8
21	Single Module UHF & ISM Rectennas for MIMO Energy Harvesting or SWIPT Systems. , 2020, , .		3
22	A Tri-Cell Hexagonal Wire Antenna for 5G Applications at 28 GHz Band. , 2020, , .		0
23	A High Gain and Wideband CPW-Fed Antenna for Millimeter-Wave Applications. , 2020, , .		2
24	A Rotman Lens Inspired Antenna for Unlicensed 60 GHz Millimeter-Wave Communications. , 2020, , .		0
25	An hp-shape hexa-band antenna for multi-standard wireless communication systems. Wireless Networks, 2019, 25, 1361-1369.	3.0	13
26	Broadband waveplate operation by orthotropic metasurface reflector. Journal of Applied Physics, 2019, 126, .	2.5	12
27	A Broadband 90° Polarization Rotator Metasurface. , 2019, , .		1
28	A Broadband Metasurface for Cross Polarization Conversion Applications. , 2019, , .		1
29	Small-Sized UWB MIMO Antenna With Band Rejection Capability. IEEE Access, 2019, 7, 121816-121824.	4.2	24
30	Comment on "An ultrathin and broadband metamaterial absorber using multi-layer structures" [J. Appl. Phys. 114, 064109 (2013)]. Journal of Applied Physics, 2019, 125, .	2.5	4
31	Linear and circular-polarization conversion in X-band using anisotropic metasurface. Scientific Reports, 2019, 9, 4552.	3.3	97
32	A W-Band EBG-Backed Double-Rhomboid Bowtie-Slot On-Chip Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1046-1050.	4.0	19
33	An Ultrathin Flexible Metasurface for Half Mirror and QWP Operation. , 2019, , .		3
34	Metasurface Design for Cross-polarization Conversion and Absorption Applications. , 2019, , .		2
35	UWB antenna with dynamically reconfigurable notch band using rectenna and active booster. IET Microwaves, Antennas and Propagation, 2019, 13, 2046-2052.	1.4	7
36	Twisted non-diffracting beams through all dielectric meta-axicons. Nanoscale, 2019, 11, 20571-20578.	5.6	57

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37	Broadband planar antenna array for future 5G communication standards. IET Microwaves, Antennas and Propagation, 2019, 13, 2661-2668.	1.4	22
38	A broadband wire hexagon antenna array for future 5G communications in 28 GHz band. Microwave and Optical Technology Letters, 2019, 61, 696-701.	1.4	28
39	Manipulating twisted light beam through all-dielectric metasurfaces. , 2019, , .		4
40	A broadband cross-polarization conversion anisotropic metasurface based on multiple plasmon resonances. Chinese Physics B, 2018, 27, 014101.	1.4	50
41	A Dual-band Hexagon Monopole Antenna for 28 and 38 GHz Millimeter-Wave Communications. , 2018, , .		13
42	A Broadband SIW Antenna for 5G Applications. , 2018, , .		1
43	A Lumped Element Analog of Dual-Stub Microwave Electromagnetically Induced Transparency Resonator. , 2018, , .		1
44	Circularly Polarized C-shaped Monopole Antenna for C-Band Applications. , 2018, , .		1
45	A Wearable Radiometric Antenna for Non-Invasive Brain Temperature Monitoring. , 2018, , .		3
46	An Invariant Dual-beam Snowflake Antenna for Future 5G Communications. , 2018, , .		1
47	Compact Polarization Diversity Antenna for 28/38 GHz Bands. , 2018, , .		4
48	A Compact Uniplanar Tri-band Antenna for Wearable Smart Watches. , 2018, , .		3
49	Quasi-Crystal Metasurface for Simultaneous Half- and Quarter-Wave Plate Operation. Scientific Reports, 2018, 8, 15743.	3.3	18
50	A 2-element meandered-line slot-based frequency reconfigurable MIMO antenna system. Microwave and Optical Technology Letters, 2018, 60, 2794-2801.	1.4	11
51	Antenna Systems for Internet of Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	7
52	Comment on "A novel ultrathin and broadband microwave metamaterial absorber" [J. Appl. Phys. 116, 094504 (2014)]. Journal of Applied Physics, 2018, 124, 146101.	2.5	9
53	Polarisation insensitive multifunctional metasurfaces based on all-dielectric nanowaveguides. Nanoscale, 2018, 10, 18323-18330.	5.6	98
54	A Novel Dual Ultrawideband CPW-Fed Printed Antenna for Internet of Things (IoT) Applications. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	1.2	24

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55	Micron-scale light structuring via flat nanodevices. , 2018, , .		5
56	A Frequency Reconfigurable MIMO Antenna System for Cognitive Radio Applications. Frequenz, 2017, 71, .	0.9	6
57	Ultra-wideband cross polarization conversion metasurface insensitive to incidence angle. Journal of Applied Physics, 2017, 121, .	2.5	161
58	An ultra-wide band diversity antenna with band-rejection capability for imaging applications. Microwave and Optical Technology Letters, 2017, 59, 1661-1668.	1.4	11
59	A honeycomb-shaped planar monopole antenna for broadband millimeter-wave applications. , 2017, , .		13
60	Design and analysis of a novel tri-band flower-shaped planar antenna for GPS and WiMAX applications. Journal of Electromagnetic Waves and Applications, 2017, 31, 927-940.	1.6	29
61	Dual-band frequency reconfigurable MIMO antenna with continuous tuning range. , 2017, , .		3
62	A compact half and quarter-wave plate based on bi-layer anisotropic metasurface. Journal Physics D: Applied Physics, 2017, 50, 43LT04.	2.8	30
63	A miniaturized triple band-notched UWB antenna. Microwave and Optical Technology Letters, 2017, 59, 2581-2586.	1.4	9
64	A novel FSS for gain enhancement of printed antennas in UWB frequency spectrum. Microwave and Optical Technology Letters, 2017, 59, 2698-2704.	1.4	48
65	Design, fabrication and measurement of triple band frequency reconfigurable antennas for portable wireless communications. AEU - International Journal of Electronics and Communications, 2017, 81, 236-242.	2.9	59
66	An angularly stable dual-broadband anisotropic cross polarization conversion metasurface. Journal of Applied Physics, 2017, 122, .	2.5	48
67	Simultaneous quarter-wave plate and half-mirror operation through a highly flexible single layer anisotropic metasurface. Scientific Reports, 2017, 7, 16059.	3.3	41
68	A compact broadband circularly polarized WSS antenna for future 5G communication systems. , 2017, , .		1
69	A fractal dual-band polarization diversity antenna for 5G applications. , 2017, , .		6
70	A multiband on-chip antenna for 94 and 140 GHz applications. , 2017, , .		2
71	A high-gain inkjet-printed UWB LPDA antenna on paper substrate. International Journal of Microwave and Wireless Technologies, 2017, 9, 931-937.	1.9	6
72	Dual-band planar spiral monopole antenna for 28/38 GHz frequency bands. , 2017, , .		19

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73	Compact multiband printed monopole antenna for PCS and WiMAX applications. , 2017, , .		1
74	Electrically small printed monopole antenna for WLAN and WiMAX applications. , 2017, , .		0
75	A miniaturized frequency selective radome with wide absorption response above X-band. , 2017, , .		0
76	A 4-element MIMO implementation for laptop computers. , 2017, , .		1
77	Disposable, Paper-Based, Inkjet-Printed Humidity and H ₂ S Gas Sensor for Passive Sensing Applications. Sensors, 2016, 16, 2073.	3.8	53
78	A novel single-layer frequency selective surface for gain enhancement of SWB antennas. Microwave and Optical Technology Letters, 2016, 58, 2030-2035.	1.4	9
79	Frequency band utilization enhancement for chipless RFID tag through place value encoding. , 2016, , .		6
80	A compact uniplanar LTE/WWAN antenna for mobile handset applications. , 2016, , .		0
81	A uniplanar frequency reconfigurable MIMO antenna for laptop computer applications. , 2016, , .		0
82	Design of a metamaterial inspired single-cell zeroth order resonant(ZOR) antenna. , 2016, , .		0
83	Radiation characteristics of Side Fed Bifilar Helix Antenna for L-Band LEO satellites and terrestrial mobile communications. , 2016, , .		1
84	A compact triple wideband LTE/WWAN/GPS/GLONASS MIMO antenna for tablet computers. , 2016, , .		0
85	A 2-element reconfigurable MIMO antenna consisting of miniaturized patch elements. , 2016, , .		4
86	Design of bowtie-slot on-chip antenna backed with E-shaped FSS at 94 GHz. , 2016, , .		21
87	A compact uniplanar antenna for nine-band LTE/WWAN operation in tablet computers. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 496-502.	1.2	3
88	3.56-bits/cm Compact Inkjet Printed and Application Specific Chipless RFID Tag. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1109-1112.	4.0	92
89	A compact dual-band frequency-reconfigurable textile antenna for wearable applications. Microwave and Optical Technology Letters, 2015, 57, 2251-2257.	1.4	30
90	A compact hut-shaped printed antenna for super-wideband applications. Microwave and Optical Technology Letters, 2015, 57, 2645-2649.	1.4	12

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91	A Compact Kapton-Based Inkjet-Printed Multiband Antenna for Flexible Wireless Devices. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1802-1805.	4.0	128
92	A novel printed RFID tag antenna for specific UHF bands. , 2015, , .		0
93	Reconfigurable body worn antenna for Bluetooth and WiMAX. , 2015, , .		1
94	A Super Wideband printed antenna with enhanced gain using FSS structure. , 2015, , .		16
95	Frequency reconfigurable antenna for handâ€held wireless devices. IET Microwaves, Antennas and Propagation, 2015, 9, 1412-1417.	1.4	15
96	High capacity polarization sensitive chipless RFID tag. , 2015, , .		23
97	High-power broadband-loaded monopole antenna with sleeve ground plane for portable applications. Journal of Electromagnetic Waves and Applications, 2014, 28, 802-814.	1.6	6
98	Electromagnetic modeling of microstrip reflectarrays using scale changing technique. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 205-224.	1.9	0
99	UWB Antenna with Notches at WLAN Bands. , 2013, , .		1
100	MULTI-SCALE APPROACH FOR THE ELECTROMAGNETIC SIMULATION OF FINITE SIZE AND THICK FREQUENCY SELECTIVE SURFACES. Progress in Electromagnetics Research M, 2011, 17, 43-57.	0.9	5
101	EQUIVALENT ELECTRICAL CIRCUIT FOR DESIGNING MEMS-CONTROLLED REFLECTARRAY PHASE SHIFTERS. Progress in Electromagnetics Research, 2010, 100, 1-12.	4.4	30
102	Monostatic microwave ellipsometry for material characterization. Waves in Random and Complex Media, 0, , 1-14.	2.7	0