Rakhesh S Kshetrimayum

List of Publications by Citations

103 papers	705 citations	13 h-index	21 g-index
129 ext. papers	968 ext. citations	1.6 avg, IF	4.96 L-index

#	Paper	IF	Citations
103	Printed monopole antenna with tapered feed line, feed region and patch for super wideband applications. *IET Microwaves, Antennas and Propagation*, **2014**, 8, 39-45	1.6	62
102	SAR Reduction in Human Head from Mobile Phone Radiation using Single Negative Metamaterials. *Journal of Electromagnetic Waves and Applications*, **2009**, 23, 1385-1395	1.3	55
101	A PRINTED 2.4 GHZ/5.8 GHZ DUAL-BAND MONOPOLE ANTENNA WITH A PROTRUDING STUB IN THE GROUND PLANE FOR WLAN AND RFID APPLICATIONS. *Progress in Electromagnetics Research*, **2011**, 117, 425-434	3.8	41
100	Outage probability analysis of spatial modulation systems with antenna selection. *Electronics Letters*, **2014**, 50, 125-126	1.1	25
99	Fundamentals of MIMO Wireless Communications **2017**,		25
98	Guided-wave characteristics of waveguide based periodic structures loaded with various FSS strip layers. *IEEE Transactions on Antennas and Propagation*, **2005**, 53, 120-124	4.9	20
97	MIMO Wireless Communications over Generalized Fading Channels		20
96	Analytical calculations of CCDF for some common PAPR reduction techniques in OFDM systems **2012**,		18
95	An F-shaped printed monopole antenna for dual-band RFID and WLAN applications. *Microwave and Optical Technology Letters*, **2011**, 53, 1478-1481	1.2	18
94	Performance analysis of one- and two-way relays for underwater optical wireless communications. *OSA Continuum*, **2018**, 1, 1400	1.4	18
93	HARMONIC SUPPRESSION OF PARALLEL COUPLED MICROSTRIP LINE BANDPASS FILTER USING CSRR. *Progress in Electromagnetics Research Letters*, **2009**, 7, 193-201	0.5	17
92	Super wideband antenna with single band suppression. *International Journal of Microwave and Wireless Technologies*, **2017**, 9, 143-150	0.8	16
91	A Compact Dual Band-Notched Circular Ring Printed Monopole Antenna for Super wideband Applications. *Radioengineering*, **2017**, 26, 64-70	0.8	15
90	High inter-port isolation dual circularly polarized slot antenna with split-ring resonator based novel metasurface. *AEU - International Journal of Electronics and Communications*, **2019**, 107, 146-156	2.8	13
89	Novel UWB printed monopole antenna with triangular tapered feed lines. *IEICE Electronics Express*, **2008**, 5, 242-247	0.5	13
88	Outage probability bound of decode and forward two-way full-duplex relay employing spatial modulation over cascaded $\mathbb{H}$ channels. *International Journal of Communication Systems*, **2019**, 32, e3876	1.7	12
87	Performance analysis comparison of transmit antenna selection with maximal ratio combining and orthogonal space time block codes in equicorrelated Rayleigh fading multiple input multiple output channels. *IET Communications*, **2014**, 8, 1850-1858	1.3	12

86	Relay Based Hybrid FSO/RF Communication With Hybrid Spatial Modulation and Transmit Source Selection. *IEEE Transactions on Communications*, **2020**, 68, 5018-5027	6.9	11
85	Compact and Wide Stopband Lowpass Filter Using Open Complementary Split Ring Resonator and Defected Ground Structure. *Radioengineering*, **2015**, 24, 708-711	0.8	11
84	Outage probability bound of decode and forward two-way relay employing optical spatial modulation over gamma-gamma channels. *IET Optoelectronics*, **2019**, 13, 183-190	1.5	10
83	A compact printed triangular monopole antenna for ultrawideband applications. *Microwave and Optical Technology Letters*, **2014**, 56, 1155-1159	1.2	10
82	Compact, deep, and wide rejection bandwidth low-pass filter using open complementary split ring resonator. *Microwave and Optical Technology Letters*, **2011**, 53, 845-848	1.2	10
81	Compact, harmonic suppressed power divider using open complementary split-ring resonator. *Microwave and Optical Technology Letters*, **2011**, 53, 2897-2899	1.2	10
80	Analysis of TAS/MRC based MIMO Systems over Fading Channels. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2015**, 32, 252-259	1.5	9
79	Notched UWB bandpass filter using complementary single split ring resonator. *IEICE Electronics Express*, **2010**, 7, 1290-1295	0.5	9
78	A wide-band monopole antenna in combination with a UWB microwave band-pass filter for application in UWB communication system **2010**,		8
77	COMPACT WIDEBAND BANDPASS FILTER USING OPEN SLOT SPLIT RING RESONATOR AND CMRC. *Progress in Electromagnetics Research Letters*, **2009**, 10, 39-48	0.5	8
76	Transmit Laser Selection for Two Hop Decode and Forward FSO Communication With Pointing Errors. *IEEE Communications Letters*, **2019**, 23, 2301-2305	3.8	7
75	Analysis of UWB communication over IEEE 802.15.3a channel by superseding lognormal shadowing by Mixture of Gamma distributions. *AEU - International Journal of Electronics and Communications*, **2015**, 69, 1795-1799	2.8	7
74	A novel super wideband notched printed trapezoidal monopole antenna with triangular tapered feedline **2014**,		7
73	A 3.4/5.5 GHz dual-band notched UWB printed monopole antenna with two open-circuited stubs in the microstrip feedline. *Microwave and Optical Technology Letters*, **2011**, 53, 2973-2978	1.2	7
72	A printed F-shaped dual-band monopole antenna for RFID and WLAN applications **2010**,		7
71	Error performance of two-hop decode and forward relaying systems with source and relay transmit antenna selection. *Electronics Letters*, **2015**, 51, 530-532	1.1	6
70	Novel Notched UWB Filter Using Stepped Impedance Stub Loaded Microstrip Resonator and Spurlines. *International Journal of Microwave Science and Technology*, **2015**, 2015, 1-5		6
69	Low mutual coupling six-port planar antenna for the MIMO applications. *International Journal of RF and Microwave Computer-Aided Engineering*, **2020**, 30, e22439	1.5	6

68	Local search based near optimal low complexity detection for large MIMO System **2016**,		6
67	Performance Analysis of MIMO Systems with Antenna Selection over Generalized Fading Channels. *IETE Journal of Research*, **2016**, 62, 45-54	0.9	5
66	MGF Based Approximate SER Calculation of SM MIMO Systems Over Generalized and Fading Channels. *Wireless Personal Communications*, **2015**, 83, 1903-1913	1.9	5
65	A printed 2.4 GHz/5.8 GHz dual-band monopole antenna for WLAN and RFID applications with a protruding stub in the ground plane **2011**,		5
64	A planar microstrip-line fed elliptical UWB 5.2 GHz/5.8 GHz notch antenna with U-shaped slot **2010**,		5
63	Mobile Phones: Bad for Your Health?. *IEEE Potentials*, **2008**, 27, 18-20	1	5
62	Notched UWB filter using exponential tapered impedance line stub loaded microstrip resonator. *Journal of Engineering*, **2018**, 2018, 768-772	0.7	5
61	A printed trident shaped triple-band monopole antenna for wireless applications **2010**,		4
60	Performance Enhancement of Microstrip Bandpass Filter Using CSSRR **2009**,		4
59	Composite right/left handed transmission line based on open slot split ring resonator. *Microwave and Optical Technology Letters*, **2010**, 52, 1729-1731	1.2	4
58	RIS-Assisted Spatial Modulation and Space Shift Keying for Ambient Backscattering Communications **2021**,		4
57	Ultra-Broadband Bandpass Filter Using Linearly Tapered Coupled-Microstrip Line and Open Loop Defected Ground Structure. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 181-185	3.5	4
56	RIS-Assisted Advanced Spatial Modulation Techniques for Ambient Backscattering Communications. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	4
55	Hybrid spoof surface plasmon polariton and substrate integrated waveguide bandpass filter with high out-of-band rejection for X-band applications. *IET Microwaves, Antennas and Propagation*, **2021**, 15, 289-299	1.6	4
54	Low profile dual band-stop super wideband printed monopole antenna with polarization diversity. *International Journal of Microwave and Wireless Technologies*, **2019**, 11, 694-702	0.8	3
53	Analysis of space-time block coded spatial modulation in correlated Rayleigh and Rician fading channels **2015**,		3
52	Analytical BER Calculation of TAS/MRC-Based Two Hop UWB Communication System Over IEEE 802.15.4a Channel. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2018**, 35, 467-475	1.5	3
51	Low complexity detection algorithm for Alamouti like STBC for large MIMO systems **2015**,		3

50	A compact printed 9-shaped dual-band monopole antenna for WLAN and RFID applications **2010**,		3
49	A compact 3.4/5.5 GHz dual band-notched UWB monopole antenna with nested U-shaped slots **2010**,		3
48	Impact of UWB interference on IEEE 802.11a WLAN system **2010**,		3
47	A Compact CPW-Fed Monopole Antenna with E-Shaped Slot for 5 GHz/6 GHz Band-Notched Ultra-Wideband Applications **2009**,		3
46	A compact printed U-shaped dual-band monopole antenna for wireless and RFID applications **2009**,		3
45	Slot split ring resonators and its applications in performance enhancement of microwave filter **2009**,		3
44	Advanced Optical Spatial Modulation Techniques for FSO Communication. *IEEE Transactions on Communications*, **2020**, 1-1	6.9	3
43	Advanced spatial modulation for efficient MIMO-based B2B communications in sporting activities. *IET Communications*, **2019**, 13, 3529-3536	1.3	3
42	Optical Improved Quadrature Spatial Modulation for Cooperative Underwater Wireless Communication under Weak Oceanic Turbulence Conditions. *IET Optoelectronics*, **2020**, 14, 434-439	1.5	3
41	Rectangular DRA Array for 24 GHz ISM-Band Applications. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1501-1505	3.8	3
40	Source and relay transmit antenna selection in two hop cooperative communication systems over □Fading channels **2016**,		3
39	Advanced Spatial Modulation Systems. *Signals and Communication Technology*, **2021**,	0.5	3
38	Linear Tapers: Analysis, Design and Applications **2018**,		3
37	Performance Analysis of B2B Communication for Different Sporting Activities **2019**, 3, 1-4		2
36	Transmit laser selection for dual hop decode and forward UOWC cooperative communication **2020**,		2
35	Comment on □Hybrid Spoof Surface Plasmon Polariton and Substrate Integrated Waveguide Broadband Bandpass Filter With Wide Out-of-Band Rejection□*IEEE Microwave and Wireless Components Letters*, **2020**, 30, 222-222	2.6	2
34	Average SINR analysis of mm-wave MIMO system at 60 GHz band using first and second order moments **2017**,		2
33	High inter-port isolation dual circularly polarized slot antenna with interdigital capacitor. *International Journal of RF and Microwave Computer-Aided Engineering*, **2019**, 29, e21903	1.5	2

32	Transmit Antenna Selection in the Cooperative Communication Based UWB System. *Wireless Personal Communications*, **2017**, 94, 3001-3015	1.9	2
31	End to end performance analysis of M2M cooperative communication over cascaded □ channels **2017**,		2
30	Transmit antenna selection for UWB communication system over IEEE 802.15.3a channel **2015**,		2
29	A compact CPW-fed hexagonal 5 GHz/6 GHz band-notched antenna with an U-shaped slot for ultrawideband communication systems **2010**,		2
28	Printed double-T monopole antennas for triband applications. *Microwave and Optical Technology Letters*, **2009**, 51, 1640-1642	1.2	2
27	Bandgap determination of triangular lattice EBGs in the ground plane. *AEU - International Journal of Electronics and Communications*, **2009**, 63, 699-702	2.8	2
26	A printed inverted double L-shaped dual-band monopole antenna for RFID applications **2009**,		2
25	Equivalent material parameter extraction of double strip loaded waveguide. *IEICE Electronics Express*, **2005**, 2, 165-169	0.5	2
24	Novel SIS resonators waveguide filters. *International Journal of RF and Microwave Computer-Aided Engineering*, **2005**, 15, 560-566	1.5	2
23	High port-to-port isolation dual circularly polarised microstrip patch antenna with multifunction DGS. *IET Microwaves, Antennas and Propagation*, **2020**, 14, 2035-2044	1.6	2
22	Dual circularly polarised travelling wave slot antenna array. *Electronics Letters*, **2019**, 55, 1071-1073	1.1	1
21	Bandwidth enhancement of printed monopole antennas using magnetodielectric cover **2015**,		1
20	Derivation of potential Green functions for ungrounded dielectric slab and its application in full wave analysis of PMAs. *Journal of Electromagnetic Waves and Applications*, **2015**, 29, 2242-2256	1.3	1
19	A compact 3.5/5.5 GHz dual band-notched monopole antenna for application in UWB communication systems with defected ground structure **2010**,		1
18	Wideband antenna array beamforming using FIR filter **2010**,		1
17	A compact CPW-fed monopole antenna with an U-shaped slot for 5 GHz/6 GHz band-notched ultrawideband applications **2010**,		1
16	A Compact CPW-Fed Ultra-Wideband Antenna with 5 GHz/6 GHz Band-Notch Function **2009**,		1
15	Analytical BER calculation of TH-PPM UWB system in presence of NBI taking into account IPI, ICI and ISI **2012**,		1

List of Publications

14	Space Efficient Meta-grid Lines for Mutual Coupling Reduction in Two-Port Planar Monopole and DRA Array. *IEEE Access*, **2022**, 1-1	3.5	1
13	Spectrum Sensing and Collision with Primary Users in MIMO Cognitive Radio **2018**,		1
12	Comment on Compact UWB Monopole Antenna for Automotive Communications *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	0
11	Channel Model. *Signals and Communication Technology*, **2021**, 25-42	0.5	0
10	On the equivalent circuit, input impedance, reflection coefficient, and bandwidth of printed monopole antenna. *Microwave and Optical Technology Letters*, **2015**, 57, 1535-1538	1.2	
9	Printed monopole antennas on uniaxial substrate: theory and simulation. *Electronics Letters*, **2016**, 52, 796-798	1.1	
8	Approximate symbol error rate of cooperative communication over generalised and fading channels. *Journal of Engineering*, **2014**, 2014, 16-19	0.7	
7	Size Miniaturized Rat-Race Coupler Using Open Complementary Split Ring Resonator. *IEICE Transactions on Electronics*, **2011**, E94-C, 1601-1604	0.4	
6	Advanced Spatial Modulation for Underwater Optical Wireless Communication. *Signals and Communication Technology*, **2021**, 141-190	0.5	
5	Advanced Spatial Modulation for FSO Communication. *Signals and Communication Technology*, **2021** , 87-140	0.5	
4	Advanced Spatial Modulation for Body Area Network Based Communication. *Signals and Communication Technology*, **2021**, 43-85	0.5	
3	Advanced Spatial Modulation for Hybrid FSO/RF Communication. *Signals and Communication Technology*, **2021**, 191-216	0.5	
2	Antenna Selection and Spatial Modulation245-269		
1	Dual-port, aperture coupled and tapered fed patch antenna for full-duplex ISM applications. *Microwave and Optical Technology Letters*, **2019**, 61, 542-545	1.2	