

Rakesh S Kshetrimayum

List of Publications by Year in descending order

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126
papers

1,176
citations

566801

15
h-index

580395

25
g-index

129
all docs

129
docs citations

129
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Printed monopole antenna with tapered feed line, feed region and patch for super wideband applications. IET Microwaves, Antennas and Propagation, 2014, 8, 39-45.	0.7	87
2	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.	1.6	76
3	SAR Reduction in Human Head from Mobile Phone Radiation using Single Negative Metamaterials. Journal of Electromagnetic Waves and Applications, 2009, 23, 1385-1395.	1.0	67
4	Outage probability analysis of spatial modulation systems with antenna selection. Electronics Letters, 2014, 50, 125-126.	0.5	35
5	Analytical calculations of CCDF for some common PAPR reduction techniques in OFDM systems. , 2012, , .		31
6	A Compact Dual Band-Notched Circular Ring Printed Monopole Antenna for Super wideband Applications. Radioengineering, 2017, 26, 64-70.	0.3	29
7	Super wideband antenna with single band suppression. International Journal of Microwave and Wireless Technologies, 2017, 9, 143-150.	1.5	28
8	Guided-wave characteristics of waveguide based periodic structures loaded with various FSS strip layers. IEEE Transactions on Antennas and Propagation, 2005, 53, 120-124.	3.1	25
9	A wide-band monopole antenna in combination with a UWB microwave band-pass filter for application in UWB communication system. , 2010, , .		24
10	HARMONIC SUPPRESSION OF PARALLEL COUPLED MICROSTRIP LINE BANDPASS FILTER USING CSRR. Progress in Electromagnetics Research Letters, 2009, 7, 193-201.	0.4	23
11	A printed F-shaped dual-band monopole antenna for RFID and WLAN applications. , 2010, , .		22
12	An F-shaped printed monopole antenna for dual-band RFID and WLAN applications. Microwave and Optical Technology Letters, 2011, 53, 1478-1481.	0.9	22
13	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.	1.7	19
14	Performance analysis of one- and two-way relays for underwater optical wireless communications. OSA Continuum, 2018, 1, 1400.	1.8	19
15	Novel UWB printed monopole antenna with triangular tapered feed lines. IEICE Electronics Express, 2008, 5, 242-247.	0.3	18
16	Compact, harmonic suppressed power divider using open complementary split-ring resonator. Microwave and Optical Technology Letters, 2011, 53, 2897-2899.	0.9	17
17	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.	2.2	17
18	A compact printed triangular monopole antenna for ultrawideband applications. Microwave and Optical Technology Letters, 2014, 56, 1155-1159.	0.9	16

#	ARTICLE	IF	CITATIONS
19	Relay Based Hybrid FSO/RF Communication With Hybrid Spatial Modulation and Transmit Source Selection. IEEE Transactions on Communications, 2020, 68, 5018-5027.	4.9	16
20	RIS-Assisted Advanced Spatial Modulation Techniques for Ambient Backscattering Communications. IEEE Transactions on Green Communications and Networking, 2021, 5, 1684-1696.	3.5	16
21	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, , .		15
22	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.	1.5	14
23	Compact and Wide Stopband Lowpass Filter Using Open Complementary Split Ring Resonator and Defected Ground Structure. Radioengineering, 2015, 24, 708-711.	0.3	14
24	Notched UWB filter using exponential tapered impedance line stub loaded microstrip resonator. Journal of Engineering, 2018, 2018, 768-772.	0.6	14
25	Low mutual coupling <scp>sixâ€port</scp> planar antenna for the <scp>MIMO</scp> applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22439.	0.8	14
26	Compact, deep, and wide rejection bandwidth lowâ€pass filter using open complementary split ring resonator. Microwave and Optical Technology Letters, 2011, 53, 845-848.	0.9	13
27	Notched UWB bandpass filter using complementary single split ring resonator. IEICE Electronics Express, 2010, 7, 1290-1295.	0.3	12
28	Outage probability bound of decode and forward twoâ€way relay employing optical spatial modulation over gammaâ€gamma channels. IET Optoelectronics, 2019, 13, 183-190.	1.8	12
29	Outage probability bound of decode and forward twoâ€way fullâ€duplex relay employing spatial modulation over cascaded α-β channels. International Journal of Communication Systems, 2019, 32, e3876.		12
30	Hybrid spoof surface plasmon polariton and substrate integrated waveguide bandpass filter with high outâ€ofâ€band rejection for Xâ€band applications. IET Microwaves, Antennas and Propagation, 2021, 15, 289-299.	0.7	12
31	A 3.4/5.5 GHz dualâ€band notched UWB printed monopole antenna with two openâ€circuited stubs in the microstrip feedline. Microwave and Optical Technology Letters, 2011, 53, 2973-2978.	0.9	11
32	Rectangular DRA Array for 24 GHz ISM-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1501-1505.	2.4	10
33	Mobile Phones: Bad for Your Health?. IEEE Potentials, 2008, 27, 18-20.	0.2	9
34	COMPACT WIDEBAND BANDPASS FILTER USING OPEN SLOT SPLIT RING RESONATOR AND CMRC. Progress in Electromagnetics Research Letters, 2009, 10, 39-48.	0.4	9
35	A compact 3.4/5.5 GHz dual band-notched UWB monopole antenna with nested U-shaped slots. , 2010, , .		9
36	Analysis of TAS/MRC based MIMO Systems over α - β Fading Channels. IETE Technical Review (Institution) Tj ETQ, 2010, 27, 100-109.		9

#	ARTICLE	IF	CITATIONS
37	Local search based near optimal low complexity detection for large MIMO System. , 2016, , .		9
38	A planar microstrip-line fed elliptical UWB 5.2 GHz/5.8 GHz notch antenna with U-shaped slot. , 2010, , .		8
39	Impact of UWB interference on IEEE 802.11a WLAN system. , 2010, , .		8
40	A novel super wideband notched printed trapezoidal monopole antenna with triangular tapered feedline. , 2014, , .		8
41	Error performance of two-hop decode and forward relaying systems with source and relay transmit antenna selection. Electronics Letters, 2015, 51, 530-532.	0.5	8
42	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.	1.7	8
43	Performance Analysis of MIMO Systems with Antenna Selection over Generalized Γ - $\hat{\alpha}^{\nu}$ Fading Channels. IETE Journal of Research, 2016, 62, 45-54.	1.8	8
44	Transmit Laser Selection for Two Hop Decode and Forward FSO Communication With Pointing Errors. IEEE Communications Letters, 2019, 23, 2301-2305.	2.5	8
45	RIS-Assisted Spatial Modulation and Space Shift Keying for Ambient Backscattering Communications. , 2021, , .		8
46	Optical Improved Quadrature Spatial Modulation for Cooperative Underwater Wireless Communication under Weak Oceanic Turbulence Conditions. IET Optoelectronics, 2020, 14, 434-439.	1.8	8
47	Performance Enhancement of Microstrip Bandpass Filter Using CSSRR. , 2009, , .		7
48	A compact printed 9-shaped dual-band monopole antenna for WLAN and RFID applications. , 2010, , .		7
49	Novel Notched UWB Filter Using Stepped Impedance Stub Loaded Microstrip Resonator and Spurlines. International Journal of Microwave Science and Technology, 2015, 2015, 1-5.	0.6	7
50	MGF Based Approximate SER Calculation of SM MIMO Systems Over Generalized Γ - $\hat{\alpha}^{\nu}$ and Γ - $\hat{\alpha}^{\nu}$ Fading Channels. Wireless Personal Communications, 2015, 83, 1903-1913.	1.8	7
51	A printed trident shaped triple-band monopole antenna for wireless applications. , 2010, , .		6
52	Advanced Spatial Modulation Systems. Signals and Communication Technology, 2021, , .	0.4	6
53	Advanced Optical Spatial Modulation Techniques for FSO Communication. IEEE Transactions on Communications, 2020, , 1-1.	4.9	6
54	High port-to-port isolation dual circularly polarised microstrip patch antenna with multifunction DGS. IET Microwaves, Antennas and Propagation, 2020, 14, 2035-2044.	0.7	6

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55	A compact printed U-shaped dual-band monopole antenna for wireless and RFID applications. , 2009, , .		5
56	A compact CPW-fed hexagonal 5 GHz/6 GHz band-notched antenna with an U-shaped slot for ultrawideband communication systems. , 2010, , .		5
57	An efficient methodology for parallel concatenation of LDPC codes with reduced complexity and decoding delay. , 2013, , .		5
58	Analysis of space-time block coded spatial modulation in correlated Rayleigh and Rician fading channels. , 2015, , .		5
59	Transmit Antenna Selection in the Cooperative Communication Based UWB System. Wireless Personal Communications, 2017, 94, 3001-3015.	1.8	5
60	End to end performance analysis of M2M cooperative communication over cascaded $\hat{1}\pm\hat{1}/4$ channels. , 2017, , .		5
61	Linear Tapers: Analysis, Design and Applications. , 2018, , .		5
62	Printed doubleâ€” monopole antennas for triband applications. Microwave and Optical Technology Letters, 2009, 51, 1640-1642.	0.9	4
63	A Compact CPW-Fed Monopole Antenna with E-Shaped Slot for 5 GHz/6 GHz Band-Notched Ultra-Wideband Applications. , 2009, , .		4
64	Composite right/left handed transmission line based on open slot split ring resonator. Microwave and Optical Technology Letters, 2010, 52, 1729-1731.	0.9	4
65	Transmit antenna selection for UWB communication system over IEEE 802.15.3a channel. , 2015, , .		4
66	Source and relay transmit antenna selection in two hop cooperative communication systems over $\mathcal{D}^{\alpha}\hat{1}/4$ fading channels. , 2016, , .		4
67	High interâ€”port isolation dual circularly polarized slot antenna with interdigital capacitor. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21903.	0.8	4
68	Low profile dual band-stop super wideband printed monopole antenna with polarization diversity. International Journal of Microwave and Wireless Technologies, 2019, 11, 694-702.	1.5	4
69	Compact Quad-band MIMO Antenna Array with Low Mutual Coupling for Mobile Terminal. , 2019, , .		4
70	Four-port DRA Array for MIMO Applications. , 2021, , .		4
71	Advanced spatial modulation for efficient MIMOâ€”based B2B communications in sporting activities. IET Communications, 2019, 13, 3529-3536.	1.5	4
72	Space Efficient Meta-Grid Lines for Mutual Coupling Reduction in Two-Port Planar Monopole and DRA Array. IEEE Access, 2022, 10, 49829-49838.	2.6	4

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73	Equivalent material parameter extraction of double strip loaded waveguide. IEICE Electronics Express, 2005, 2, 165-169.	0.3	3
74	Novel SIS resonators waveguide filters. International Journal of RF and Microwave Computer-Aided Engineering, 2005, 15, 560-566.	0.8	3
75	Reduction of specific absorption rate in human tissues using split ring resonators. , 2009, , .		3
76	Slot split ring resonators and its applications in performance enhancement of microwave filter. , 2009, , .		3
77	A compact 3.5/5.5 GHz dual band-notched monopole antenna for application in UWB communication systems with defected ground structure. , 2010, , .		3
78	Wideband antenna array beamforming using FIR filter. , 2010, , .		3
79	A compact CPW-fed monopole antenna with an U-shaped slot for 5 GHz/6 GHz band-notched ultrawideband applications. , 2010, , .		3
80	Low complexity detection algorithm for Alamouti like STBC for large MIMO systems. , 2015, , .		3
81	Average SINR analysis of mm-wave MIMO system at 60 GHz band using first and second order moments. , 2017, , .		3
82	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.	2.1	3
83	Low Mutual Coupling Four-Port MIMO Antenna Array for 3.5 GHz WiMAX Application. , 2020, , .		3
84	Bandgap determination of triangular lattice EBGs in the ground plane. AEU - International Journal of Electronics and Communications, 2009, 63, 699-702.	1.7	2
85	A Compact CPW-Fed Ultra-Wideband Antenna with 5 GHz/6 GHz Band-Notch Function. , 2009, , .		2
86	A printed inverted double L-shaped dual-band monopole antenna for RFID applications. , 2009, , .		2
87	Size Miniaturized Rat-Race Coupler Using Open Complementary Split Ring Resonator. IEICE Transactions on Electronics, 2011, E94-C, 1601-1604.	0.3	2
88	An inset-fed dual-frequency circular microstrip antenna with a rectangular slot for application in wireless communication. , 2011, , .		2
89	Analytical BER calculation of TH-PPM UWB system in presence of NBI taking into account IPI, ICI and ISI. , 2012, , .		2
90	Narrow Band Interference (NBI) mitigation technique for TH-PPM UWB systems in IEEE 802.15.3a channel using wavelet packet transform. , 2013, , .		2

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91	Approximate design equation for Iris width calculation of Iris Substrate Integrated Waveguide (SIW) bandpass filters. , 2017, , .		2
92	Dual circularly polarised travelling wave slot antenna array. Electronics Letters, 2019, 55, 1071-1073.	0.5	2
93	Performance Analysis of B2B Communication for Different Sporting Activities. , 2019, 3, 1-4.		2
94	Transmit laser selection for dual hop decode and forward UOWC cooperative communication. , 2020, , .		2
95	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.	2.0	2
96	Low Mutual Coupling Dual-port Dual-band MIMO Antenna Array for Mobile Terminal. , 2020, , .		2
97	Comments on "Compact UWB Monopole Antenna for Automotive Communications" IEEE Transactions on Antennas and Propagation, 2022, 70, 1591-1591.	3.1	2
98	Novel architecture for waveguide based metamaterials. , 2006, , .		1
99	A printed C-shaped dual-band monopole antenna for RFID applications. , 2009, , .		1
100	Approximate symbol error rate of cooperative communication over generalised α - η fading channels. Journal of Engineering, 2014, 2014, 16-19.	0.6	1
101	Bandwidth enhancement of printed monopole antennas using magnetodielectric cover. , 2015, , .		1
102	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.	1.0	1
103	Spectrum Sensing and Collision with Primary Users in MIMO Cognitive Radio. , 2018, , .		1
104	Highly compact DRA array using metallic grid-shaped partial ground plane. , 2020, , .		1
105	Dual-band Coplanar SSPP Endfire Radiating Antenna. , 2021, , .		1
106	Circularly Polarized Antenna based on Spoof Surface Plasmon Polaritons using Artificial Ground Plane. , 2021, , .		1
107	Channel Model. Signals and Communication Technology, 2021, , 25-42.	0.4	1
108	New Design Approach for Mutual Coupling Reduction in Two-Port Compact Antenna Array for W-LAN MIMO Applications. , 2022, , .		1

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109	High Gain Circularly Polarized Cylindrical DRA for mm-wave On-chip Applications. , 2022, , .		1
110	Antenna Selection and Spatial Modulation. , 0, , 245-269.		0
111	Reducing the number of unknowns in the FFT-employed BOR EM scattering problems. , 0, , .		0
112	UPML-FDTD analysis of printed monopole antennas. , 2015, , .		0
113	On the equivalent circuit, input impedance, reflection coefficient, and bandwidth of printed monopole antenna. Microwave and Optical Technology Letters, 2015, 57, 1535-1538.	0.9	0
114	Approximate analysis of MIMO based cooperative communication in $\hat{\Gamma} \pm - \hat{\Gamma} \frac{1}{4}$ channel distribution. , 2016, , .		0
115	Printed monopole antennas on uniaxial substrate: theory and simulation. Electronics Letters, 2016, 52, 796-798.	0.5	0
116	Large scale MIMO performance analysis over cascaded $\hat{\Gamma} \pm - \hat{\Gamma} \frac{1}{4}$ MIMO channel for M2M communication. , 2017, , .		0
117	An Improved T-Junction Power Divider Using Linearly Tapered Microstrip Lines. , 2019, , .		0
118	Performance Analysis of SM-based Hybrid MIMO FSO/RF System. , 2019, , .		0
119	High Gain Dual Linearly Polarized Patch Antenna Array. , 2019, , .		0
120	Dual Circularly Polarized Slot Antenna with Novel Isolator. , 2019, , .		0
121	Dual $\hat{\Gamma}$ port, aperture coupled and tapered fed patch $\hat{\Gamma}$ antenna for full $\hat{\Gamma}$ duplex ISM applications. Microwave and Optical Technology Letters, 2019, 61, 542-545.	0.9	0
122	Advanced Spatial Modulation for $\hat{\Gamma}$ Underwater Optical Wireless Communication. Signals and Communication Technology, 2021, , 141-190.	0.4	0
123	Advanced Spatial Modulation for FSO Communication. Signals and Communication Technology, 2021, , 87-140.	0.4	0
124	Advanced Spatial Modulation for Hybrid FSO/RF Communication. Signals and Communication Technology, 2021, , 191-216.	0.4	0
125	Wideband Rectangular Dielectric Resonator Antenna Array for ISM Band Applications. , 2020, , .		0
126	Broadside Radiation based on Even-mode Spoof Surface Plasmon Polaritons Excited by Slot in AMC Ground Plane. , 2022, , .		0