

Shiban Koul

List of Publications by Year in descending order

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papers

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citations

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1728
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Gain and High-Aperture-Efficiency Cavity Resonator Antenna Using Metamaterial Superstrate. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2388-2391.	2.4	116
2	Easily Extendable Compact Planar UWB MIMO Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2328-2331.	2.4	105
3	A 28-GHZ ANTENNA FOR 5G MIMO APPLICATIONS. Progress in Electromagnetics Research Letters, 2018, 78, 73-79.	0.4	95
4	FSS Properties of a Uniplanar EBG and Its Application in Directivity Enhancement of a Microstrip Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1606-1609.	2.4	87
5	Gain Enhancement of a CPW-Fed Monopole Antenna Using Polarization-Insensitive AMC Structure. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1315-1318.	2.4	80
6	Dual- and Triple-Band Polarization Insensitive Ultrathin Conformal Metamaterial Absorbers With Wide Angular Stability. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 878-886.	1.4	71
7	Wide Angle Beam Steerable High Gain Flat Top Beam Antenna Using Graded Index Metasurface Lens. IEEE Transactions on Antennas and Propagation, 2019, 67, 6334-6343.	3.1	62
8	Reconfigurable and Concurrent Dual-Band Doherty Power Amplifier for Multiband and Multistandard Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 198-208.	2.9	44
9	Reliability Analysis of Ku-Band 5-bit Phase Shifters Using MEMS SP4T and SPDT Switches. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3997-4012.	2.9	43
10	Frequency-Selective Surface-Based Compact Single Substrate Layer Dual-Band Transmission-Type Linear-to-Circular Polarization Converter. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4138-4149.	2.9	40
11	TWO ELEMENT BAND-NOTCHED UWB MIMO ANTENNA WITH HIGH AND UNIFORM ISOLATION. Progress in Electromagnetics Research M, 2018, 63, 119-129.	0.5	38
12	Switchable and Tunable Notch in Ultra-Wideband Filter Using Electromagnetic Bandgap Structure. IEEE Microwave and Wireless Components Letters, 2014, 24, 839-841.	2.0	37
13	Isolation Improvement of MIMO Antenna Using Novel EBG and Hair-Pin Shaped DGS at 5G Millimeter Wave Band. IEEE Access, 2021, 9, 162820-162834.	2.6	35
14	Bandwidth Enhancement of Three-Stage Doherty Power Amplifier Using Symmetric Devices. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2399-2410.	2.9	34
15	A Design Strategy for Bandwidth Enhancement in Three-Stage Doherty Power Amplifier With Extended Dynamic Range. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1024-1033.	2.9	31
16	Gain Equalized Shared-Aperture Antenna Using Dual-Polarized ZIM for mmWave 5G Base Stations. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1100-1104.	2.4	31
17	MINIATURIZED MULTIBAND MICROSTRIP PATCH ANTENNA USING METAMATERIAL LOADING FOR WIRELESS APPLICATION. Progress in Electromagnetics Research C, 2018, 83, 71-82.	0.6	29
18	A Novel Reconfigurable Microstrip Patch Antenna With Polarization Agility in Two Switchable Frequency Bands. IEEE Transactions on Antennas and Propagation, 2018, 66, 5608-5613.	3.1	28

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19	A Simple Polarization-Insensitive and Wide Angular Stable Circular Ring Based Undeca-Band Absorber for EMI/EMC Applications. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1025-1034.	1.4	28
20	Reliable and Compact 3- and 4-Bit Phase Shifters Using MEMS SP4T and SP8T Switches. Journal of Microelectromechanical Systems, 2018, 27, 113-124.	1.7	27
21	Millimeter-wave antenna with wide-scan angle radiation characteristics for MIMO applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21564.	0.8	26
22	Design and development of a surface micro-machined push-pull-type true-time-delay phase shifter on an alumina substrate for Ka-band T/R module application. Journal of Micromechanics and Microengineering, 2012, 22, 125006.	1.5	25
23	CPW Fed Wideband Corner Bent Antenna for 5G Mobile Terminals. IEEE Access, 2019, 7, 10967-10975.	2.6	25
24	Broadband linear and circular polarizers with minimal bandwidth reduction at higher oblique angles for RCS applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22693.	0.8	24
25	Dual Input Digitally Controlled Broadband Three-Stage Doherty Power Amplifier With Back-Off Reconfigurability. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1421-1431.	3.5	24
26	Highly Isolated Compact Planar Dual-Band Antenna With Polarization/Pattern Diversity Characteristics for MIMO Terminals. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 762-766.	2.4	23
27	A compact uniplanar EBG structure and its application in band-notched UWB filter. International Journal of Microwave and Wireless Technologies, 2013, 5, 491-498.	1.5	22
28	A COMPACT TRI-BAND FREQUENCY RECONFIGURABLE ANTENNA FOR LTE/WI-FI/ITS APPLICATIONS. Progress in Electromagnetics Research M, 2020, 91, 59-67.	0.5	22
29	Low cost high gain triple band mmWave Sierpinski antenna loaded with uniplanar EBG for 5G applications. , 2017, , .		21
30	Compact near zero index metasurface lens with high aperture efficiency for antenna radiation characteristic enhancement. IET Microwaves, Antennas and Propagation, 2019, 13, 1248-1254.	0.7	21
31	Reconfigurable Microstrip Patch Antenna With Polarization Switching in Three Switchable Frequency Bands. IEEE Access, 2020, 8, 119376-119386.	2.6	21
32	Through the Wall Human Subject Localization and Respiration Rate Detection Using Multichannel Doppler Radar. IEEE Sensors Journal, 2021, 21, 1510-1518.	2.4	21
33	A TRIPLE BAND POLARIZATION INSENSITIVE ULTRATHIN METAMATERIAL ABSORBER FOR S- C- AND X-BANDS. Progress in Electromagnetics Research M, 2019, 77, 187-194.	0.5	20
34	Experimental Analysis of Ultra-Wideband Body-to-Body Communication Channel Characterization in an Indoor Environment. IEEE Transactions on Antennas and Propagation, 2019, 67, 1779-1789.	3.1	20
35	Reliable, Compact, and Tunable MEMS Bandpass Filter Using Arrays of Series and Shunt Bridges for 28-GHz 5G Applications. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 75-88.	2.9	20
36	Efficient Spurious Rejection and Null Steering Using Slot Antennas. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 207-210.	2.4	19

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37	A Highly Linear CMOS Active Inductor and Its Application in Filters and Power Dividers. IEEE Microwave and Wireless Components Letters, 2015, 25, 715-717.	2.0	19
38	A Novel Pattern-Reconfigurable Oscillating Active Integrated Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3220-3223.	2.4	19
39	A NOVEL FREQUENCY RECONFIGURABLE MONOPOLE ANTENNA WITH SWITCHABLE CHARACTERISTICS BETWEEN BAND-NOTCHED UWB AND WLAN APPLICATIONS. Progress in Electromagnetics Research C, 2017, 77, 145-153.	0.6	19
40	2.45 GHz Wi-Fi band operated circularly polarized rectenna for RF energy harvesting in smart city applications. Journal of Electromagnetic Waves and Applications, 2022, 36, 407-423.	1.0	19
41	Filtenna Designs for Radio-Frequency Front-End Systems: A structural-oriented review. IEEE Antennas and Propagation Magazine, 2021, 63, 72-84.	1.2	19
42	High-Low-Epsilon Biaxial Anisotropic Lens for Enhanced Gain and Aperture Efficiency of a Linearly Polarized Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 8133-8138.	3.1	18
43	Design and Performance Analysis of Compact Wearable Textile Antennas for IoT and Body-Centric Communication Applications. International Journal of Antennas and Propagation, 2021, 2021, 1-12.	0.7	18
44	Asymmetric coupled Polarization Switchable Oscillating Active Integrated Antenna. , 2016, , .		16
45	Compact planar 2 Å– 2 and 4 Å– 4 UWB mimo antenna arrays for portable wireless devices. Microwave and Optical Technology Letters, 2018, 60, 86-92.	0.9	16
46	A Digitally Assisted Dual-Input Dual-Band Doherty Power Amplifier With Enhanced Efficiency and Linearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 297-301.	2.2	16
47	UWB PRINTED SLOT ANTENNA WITH IMPROVED PERFORMANCE IN TIME AND FREQUENCY DOMAINS. Progress in Electromagnetics Research C, 2011, 18, 197-210.	0.6	15
48	Compact band-notched UWB antenna for MIMO applications in portable wireless devices. Microwave and Optical Technology Letters, 2016, 58, 1390-1394.	0.9	15
49	Second-Order, Single-Band and Dual-Band Bandstop Frequency Selective Surfaces at Millimeter Wave Regime. IEEE Transactions on Antennas and Propagation, 2022, 70, 7282-7287.	3.1	15
50	Characterization of LTCC-Based Ferrite Tape in $\{X\}$ -band and Its Application to Electrically Tunable Phase Shifter and Notch Filter. IEEE Transactions on Magnetics, 2017, 53, 1-8.	1.2	14
51	Gain enhancement of millimeter wave antenna with metamaterial loading. , 2017, , .		14
52	Highly Efficient, Wideband Microstrip Patch Antenna With Recessed Ground at 60 GHz. IEEE Transactions on Antennas and Propagation, 2019, 67, 2280-2288.	3.1	14
53	Experimental Investigation of Body-Centric Indoor Localization Using Compact Wearable Antennas and Machine Learning Algorithms. IEEE Transactions on Antennas and Propagation, 2022, 70, 1344-1354.	3.1	14
54	A linear to circular polarization reconfigurable converter based on frequency selective surface. Microwave and Optical Technology Letters, 2021, 63, 1425-1433.	0.9	14

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55	Thin Planar Metasurface Lens for Millimeter-Wave MIMO Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 692-696.	3.1	14
56	Wideband dielectric resonator-loaded suspended microstrip patch antennas. Microwave and Optical Technology Letters, 2003, 37, 300-302.	0.9	13
57	π -Band 4-Bit Phase Shifter Using Two Back to Back MEMS SP16T Switching Networks. Journal of Microelectromechanical Systems, 2018, 27, 643-655.	1.7	13
58	Bandwidth reconfigurable bandstop filter using planar EBG structure. , 2013, , .		12
59	Ka-band reliable and compact 3-bit true-time-delay phase shifter using MEMS single-pole-eight-throw switching networks. Journal of Micromechanics and Microengineering, 2016, 26, 104002.	1.5	12
60	Systematic measurements of high isolation DC π 20 GHz miniature MEMS SPDT switch. Microwave and Optical Technology Letters, 2016, 58, 1154-1159.	0.9	12
61	A WIDEBAND CONFORMAL ANTENNA WITH HIGH PATTERN INTEGRITY FOR MMWAVE 5G SMARTPHONES. Progress in Electromagnetics Research Letters, 2019, 84, 1-6.	0.4	12
62	Polarisation-insensitive dual-band transmissive rasorber designed on a single layer substrate. IET Microwaves, Antennas and Propagation, 2020, 14, 1296-1303.	0.7	12
63	Frequency-Selective Rasorber Based on High-Q Minkowski Fractal-Shaped Resonator for Realizing a Low Radar Cross-Section Radiating System. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 1574-1584.	1.4	12
64	AN ULTRA-WIDEBAND ANTENNA WITH BAND REJECT CAPABILITY AND ITS CHARACTERIZATION IN TIME DOMAIN. Progress in Electromagnetics Research C, 2011, 19, 223-234.	0.6	11
65	A negative index metamaterial lens for antenna gain enhancement. , 2017, , .		11
66	Compact frequency reconfigurable triple band notched monopole antenna for ultrawideband applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21942.	0.8	11
67	RF MEMS switches, switching networks and phase shifters for microwave to millimeter wave applications. ISSS Journal of Micro and Smart Systems, 2020, 9, 33-47.	1.0	11
68	Non-Invasive Glucose Measurement Using Sub-Terahertz Sensor, Time Domain Processing, and Neural Network. IEEE Sensors Journal, 2021, 21, 20002-20009.	2.4	11
69	CIRCUITS AND ACTIVE ANTENNAS FOR ULTRA-WIDE BAND PULSE GENERATION AND TRANSMISSION. Progress in Electromagnetics Research B, 2010, 23, 251-272.	0.7	10
70	Design scheme for dual-band three stage Doherty Power Amplifiers. , 2014, , .		10
71	A Harmonic Suppressed Bandpass Filter and its Application in Diplexer. IEEE Microwave and Wireless Components Letters, 2014, 24, 388-390.	2.0	10
72	Highly miniaturized dual band patch antenna loaded with metamaterial unit cell. Microwave and Optical Technology Letters, 2017, 59, 2027-2033.	0.9	10

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73	Compact Co-design of Conformal 4G LTE and mmWave 5G Antennas for Mobile Terminals. IETE Journal of Research, 2022, 68, 2137-2148.	1.8	10
74	Wideband Asymmetric Coplanar Strip Fed Antennas With Pattern Diversity for mmWave 5G Base Stations. IEEE Access, 2020, 8, 77482-77489.	2.6	10
75	Assessment of Limb Movement Activities Using Wearable Ultra-Wideband Technology. IEEE Transactions on Antennas and Propagation, 2021, 69, 2316-2325.	3.1	10
76	Micromachined inset-fed patch antenna at Ka-band. , 2006, , .		9
77	Design and development of miniaturized high isolation MEMS SPDT switch for Ku-band T/R module application. , 2013, , .		9
78	Infrared thermography for electromagnetic field pattern recognition. , 2013, , .		9
79	Design scheme for broadband Doherty power amplifier using broadband load combiner. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 655-674.	0.8	9
80	10–25▢GHz frequency reconfigurable MEMS 5-bit phase shifter using push–pull actuator based toggle mechanism. Journal of Micromechanics and Microengineering, 2015, 25, 065011.	1.5	9
81	Ku to V-band 4-bit MEMS phase shifter bank using high isolation SP4T switches and DMTL structures. Journal of Micromechanics and Microengineering, 2017, 27, 105010.	1.5	9
82	Ultra–compact orthogonal pattern diversity antenna module for 5G smartphones. Microwave and Optical Technology Letters, 2021, 63, 2003-2012.	0.9	9
83	Miniaturized dual stop band frequency selective surface with broadband linear co to cross polarization conversion ability. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22779.	0.8	9
84	Study of the influence of human subject on the indoor channel using compact UWB directive/omni-directional antennas for wireless sensor network applications. Ad Hoc Networks, 2021, 118, 102521.	3.4	9
85	A Novel Interdigital Capacitances (IDCs) Based Linear-Cross Reflective Type Polarization Converter for X- and Ku-Band Applications. , 2021, , .		9
86	Base-Station Random Placement Effect on the Accuracy of Ultrawideband Body-Centric Localization Applications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1319-1323.	2.4	8
87	Reconfigurable Polarization Converter Printed on Single Substrate Layer Frequency Selective Surface. , 2019, , .		8
88	10–35-GHz frequency reconfigurable RF MEMS 5-bit DMTL phase shifter uses push-pull actuation based toggle mechanism. , 2014, , .		7
89	Compact Planar 3.5/5.5 GHz Dual Band MIMO USB Dongle Antenna for WiMAX Applications. , 2018, , .		7
90	Reconfigurable oscillating active integrated antenna using two–element patch array for beam switching applications. Engineering Reports, 2019, 1, e12071.	0.9	7

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91	UWB Channel Characterization for Compact L-Shape Configurations for Body-Centric Positioning Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 29-33.	2.4	7
92	CPW FED CONFORMAL FOLDED DIPOLE WITH PATTERN DIVERSITY FOR 5G MOBILE TERMINALS. Progress in Electromagnetics Research C, 2018, 87, 199-212.	0.6	7
93	A Fully Integrated Dual-Band CMOS Power Amplifier Using a Variable Switched Interstage Matching Network. IETE Journal of Research, 2014, 60, 139-144.	1.8	6
94	Design, development and characterization of an x-band 5â€%bit DMTL phase shifter using an inline MEMS bridge and MAM capacitors. Journal of Micromechanics and Microengineering, 2014, 24, 095007.	1.5	6
95	Fault detection of antenna arrays using infrared thermography. Infrared Physics and Technology, 2015, 71, 464-468.	1.3	6
96	Efficient null broadening and steering using slot antenna array for radar applications. , 2016, , .		6
97	CORNER BENT INTEGRATED DESIGN OF 4G LTE AND MMWAVE 5G ANTENNAS FOR MOBILE TERMINALS. Progress in Electromagnetics Research M, 2019, 84, 167-175.	0.5	6
98	Path loss compensated beam switchable antennas with spatially modulated zeroâ€index metamaterial loading for 5G base stations. IET Microwaves, Antennas and Propagation, 2019, 13, 2509-2514.	0.7	6
99	High Gain Broadband Vivaldi Antenna for 5G Applications. , 2019, , .		6
100	COMPACT, BROADBAND AND RELIABLE LATERAL MEMS SWITCHING NETWORKS FOR 5G COMMUNICATIONS. Progress in Electromagnetics Research M, 2019, 86, 163-171.	0.5	6
101	Reconfigurable Microstrip Patch Antenna with Switchable Polarization. IETE Journal of Research, 2020, 66, 590-599.	1.8	6
102	Wideband high aperture efficiency antennas with beam switching for <scp>mmWave 5G</scp> base stations. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22254.	0.8	6
103	Single-Layered Flexible Dual Transmissive Resorbers With Dual/Triple Absorption Bands for Conformal Applications. IEEE Access, 2021, 9, 150426-150442.	2.6	6
104	Four-Port Orthogonal Circularly Polarized Dual-Band MIMO Antenna With Polarization and Spatial Diversity Using a Dual-Band Linear-to-Circular Polarization Converter. IEEE Transactions on Antennas and Propagation, 2022, 70, 8554-8559.	3.1	6
105	ELECTROMAGNETIC SIMULATION AND CHARACTERIZATION A METAL CERAMIC PACKAGE FOR PACKAGING OF HIGH ISOLATION SWITCHES. Progress in Electromagnetics Research C, 2010, 16, 111-125.	0.6	5
106	Active UWB antenna. , 2010, , .		5
107	Beam width estimation of microwave antennas using lock-in infrared thermography. Infrared Physics and Technology, 2015, 72, 244-248.	1.3	5
108	Micromachined switches and phase shifters for transmit/receive module applications. , 2016, , .		5

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109	Compact Electromagnetic Bandgap (EBG) Structure with Defected Ground. IETE Journal of Research, 2016, 62, 120-126.	1.8	5
110	Two-Port Reconfigurable Passive Radiator with Switchable Pattern for Active Antenna Application. , 2017, , .		5
111	COMPACT DUAL BAND-NOTCHED UWB MIMO ANTENNA FOR USB DONGLE APPLICATION WITH PATTERN DIVERSITY CHARACTERISTICS. Progress in Electromagnetics Research C, 2018, 87, 87-96.	0.6	5
112	Single Balanced Mixer for UWB Applications. , 2018, , .		5
113	Impedance Transformer for Recessed Ground Patch Antenna at 60GHz. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2036-2040.	2.4	5
114	THROUGH THE WALL RESPIRATION RATE DETECTION OF MULTIPLE HUMAN SUBJECTS USING HILBERT VIBRATIONAL DECOMPOSITION. Progress in Electromagnetics Research M, 2019, 80, 83-91.	0.5	5
115	UWB Channel Analysis Using Hybrid Antenna Configuration for BAN Localization Applications. , 2019, , .		5
116	Dual-Beam Antenna Using Routing of Electromagnetic Waves by Single-Epsilon-High Anisotropic Medium at 28 GHz. IEEE Transactions on Antennas and Propagation, 2020, 68, 142-151.	3.1	5
117	Compact planar frequency reconfigurable multiple-input-multiple-output antenna with pattern and polarization diversity characteristics for WiFi and WiMAX standards. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22121.	0.8	5
118	CPW-FED ALL-METALLIC VIVALDI ANTENNAS WITH PATTERN DIVERSITY FOR MILLIMETER WAVE 5G ACCESS POINTS. Progress in Electromagnetics Research M, 2020, 94, 41-49.	0.5	5
119	Electromagnetic Characterization of Breast Tissue Phantoms in D-Band Regime. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 131-138.	2.3	5
120	Transversal Coupled Triple-Mode Spherical Resonator-Based Bandpass Filters. IEEE Microwave and Wireless Components Letters, 2021, 31, 369-372.	2.0	5
121	A Dual Band Linear to Circular Polarization Converter for Satellite Communication. , 2019, , .		5
122	Broadband polarization insensitive wide angular stable dual-split square ring circuit analog absorber for radar cross section and electromagnetic interference shielding applications. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	5
123	Double-layer microstrip structures-lumped capacitances and open-circuit end correction. International Journal of Electronics, 1991, 70, 447-458.	0.9	4
124	An Improved Model for GaAs MESFETs Suitable for a Wide Bias Range. IEEE Microwave and Wireless Components Letters, 2007, 17, 52-54.	2.0	4
125	Micromachined Spurline Band-stop Filter. , 2007, , .		4
126	Studies on ultrawideband filters using stub-loaded circular and triangular resonators. Microwave and Optical Technology Letters, 2008, 50, 2917-2922.	0.9	4

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127	Wideband tri-stage Doherty Power Amplifier with asymmetric current ratios. , 2016, , .		4
128	Broadband frequency tripler design at 40â€“60 GHz. , 2016, , .		4
129	Determination of Polarisation of Microwave Signals by Lock-in Infrared Thermography. IETE Journal of Research, 2016, 62, 81-90.	1.8	4
130	Equivalent Circuit Model of Resonant-EBG Bandstop Filter. IETE Journal of Research, 2016, 62, 17-26.	1.8	4
131	Spur-line based magnetically tunable bandstop filter using partially magnetized ferrite thin films. Applied Physics Letters, 2017, 110, 182401.	1.5	4
132	Surface micromachined RF MEMS SP9T switch for 60 GHz ISM band antenna sectoring applications. , 2017, , .		4
133	Study and analysis of channel characteristics of ultra-wideband communication links using wearable antennas. , 2017, , .		4
134	Ultrathin miniaturized meta-surface for wide band gain enhancement. , 2017, , .		4
135	60 GHz Recessed Ground Plane Microstrip Patch Antenna Array with Improved Bandwidth and Gain. , 2018, , .		4
136	Dual-Beam Antenna for Millimeter Wave MIMO Applications. , 2018, , .		4
137	Monitoring of Limb Movement Activities during Physical Exercises using UWB Channel Parameters. , 2019, , .		4
138	ELECTRICALLY SMALL ACS-FED FLIPPED MIMO ANTENNA FOR USB PORTABLE APPLICATIONS. Progress in Electromagnetics Research C, 2019, 95, 141-152.	0.6	4
139	Electrically Tunable Ferrite Bandpass Filter in <i>X</i> -Band With Wide Tunability. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	4
140	Insights into Fabrication and Measurements of PCB-Based Passive Millimeter Wave Antennas. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2021, 38, 710-717.	2.1	4
141	Influence of spatial distribution of base-stations on off-body path loss statistics for wireless body area network applications. Wireless Networks, 2021, 27, 4759-4772.	2.0	4
142	Dielectric rod loaded tunable substrate integrated waveguide slot antenna. IET Microwaves, Antennas and Propagation, 2022, 16, 163-173.	0.7	4
143	Design of Sub-Terahertz Waveguide Iris Probe for Breast Cancer Tumor Margin Assessment. , 2021, , .		4
144	A wideâ€“angle forward to backward scanning wideband leakyâ€“wave antenna based on microstrip spoof surface plasmon polaritons. IET Microwaves, Antennas and Propagation, 2022, 16, 91-102.	0.7	4

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145	Sub-Terahertz Waveguide Iris Probe for Ex-Vivo Breast Cancer Tumor Margin Assessment. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 406-412.	2.3	4
146	Evaluation of End Effects and Lumped Capacitance of Microstrip with Anisotropic Substrates - Transverse Transmission Line Technique. , 1984, , .		3
147	A transition for hybrid integration of suspended stripline and nonradiative dielectric guide. Microwave and Optical Technology Letters, 2004, 43, 79-82.	0.9	3
148	Design and development of passive and active RF Components using MEMS technology. , 2007, , .		3
149	Transient Response of Injection-Locked Active Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 546-549.	2.4	3
150	Transient analysis of reconfigurable polarization antenna. International Journal of Microwave and Wireless Technologies, 2013, 5, 521-527.	1.5	3
151	A TUNABLE HIGH IMPEDANCE SURFACE AND ITS APPLICATION TO DUAL-BAND MICROSTRIP ANTENNA. Progress in Electromagnetics Research C, 2013, 43, 231-246.	0.6	3
152	Dual state dual band frequency reconfigurable SIW antenna. , 2014, , .		3
153	Numerical analysis of ultra-wideband propagation for body-centric communication. , 2016, , .		3
154	Triple band miniaturized patch antenna loaded with metamaterial unit cell for defense applications. , 2016, , .		3
155	EFFECT OF LIMB MOVEMENTS ON COMPACT UWB WEARABLE ANTENNA RADIATION PERFORMANCE FOR HEALTHCARE MONITORING. Progress in Electromagnetics Research C, 2019, 91, 15-26.	0.6	3
156	Pattern diversity of path loss compensated antennas for 5G base stations. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21800.	0.8	3
157	Wide gain enhanced band high gain Fabryâ€“Perot cavity antenna using ultrathin reflecting metasurface. Microwave and Optical Technology Letters, 2019, 61, 1628-1633.	0.9	3
158	GAIN EQUALIZED THREE ANTENNA PATTERN DIVERSITY MODULE FOR WLAN ACCESS POINTS. Progress in Electromagnetics Research C, 2019, 96, 215-227.	0.6	3
159	50W C-Band GaN MMIC Power Amplifier Design. , 2019, , .		3
160	THREE-PORT PATTERN DIVERSITY ANTENNA MODULE FOR 5.2 GHZ CEILING-MOUNTED WLAN ACCESS POINTS. Progress in Electromagnetics Research C, 2020, 98, 57-67.	0.6	3
161	<scp>Polarizationâ€“insensitive</scp> frequency selective rasorber with higher transmission band using modified double cross slot based bandpass layer. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22733.	0.8	3
162	Low Profile Dielectric Rod Tuned Reconfigurable Band Pass Filters. IEEE Journal of Microwaves, 2022, 2, 507-521.	4.9	3

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163	A Linear-to-Circular Polarization Converter with Wide Angular Stability and High Ellipticity for Ka-Band Applications. , 2022, , .		3
164	Rectangular resonators in inverted microstrip and suspended microstrip. International Journal of Electronics, 1992, 73, 395-405.	0.9	2
165	Design and Development of Microstrip Low Pass Filters at K-band Using MEMS Technology. , 2007, , .		2
166	Broadband Linearly Tapered Slot Antenna with Corrugated Edges for Phased Array and Multi-beam Systems. , 2007, , .		2
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168	Theory and Design of Solid-state Microwave Phase Shifters. IETE Journal of Education Online, 2009, 50, 9-18.	0.7	2
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