

Santanu Dwari

List of Publications by Year in descending order

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papers

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1317
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#	ARTICLE	IF	CITATIONS
1	Analysis and design of double negative metamaterial offering seven operating bands with minimum frequency ratio. Journal of Electromagnetic Waves and Applications, 2022, 36, 2384-2400.	1.6	1
2	Design of 3D Printed Multi-Wavelength DRA. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT/Overlogk 10 Tf 500	3.2	2
3	Active feedback supported CMOS LNA blended with coplanar waveguide-embedded antenna for Wi-Fi networks. IET Microwaves, Antennas and Propagation, 2021, 15, 537-546.	1.4	1
4	A 8-12 GHz, 44.3 dBm RF output class F-1 DPA using quad-mode coupled technique for new configurable front-end 5G transmitters. Analog Integrated Circuits and Signal Processing, 2021, 107, 497-510.	1.4	0
5	A dual-band high-gain microstrip antenna with a defective frequency selective surface for wireless applications. Journal of Electromagnetic Waves and Applications, 2021, 35, 1637-1651.	1.6	7
6	Frequency and port reconfigurable MIMO antenna for UWB / 5G / WLAN band IoT applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22692.	1.2	8
7	Theoretical circuit modeling of tetra bands DNG metamaterial by transmission line theory with very small frequency. Journal of Computational Electronics, 2021, 20, 1439-1451.	2.5	3
8	Wideband SIW Self-Diplexing antenna with simultaneous control of bandwidth and band position. AEU - International Journal of Electronics and Communications, 2021, 138, 153877.	2.9	9
9	A Monopole Antenna With Reconfigurable Circular Polarization and Pattern Tilting Ability in Two Switchable Wide Frequency Bands. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1661-1665.	4.0	22
10	Cavity Model-based Analysis of Field Propagation in a six-port Riblet-type Directional Coupler. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2020, 37, 24-35.	3.2	1
11	Investigation and Development of 3D Printed Biodegradable PLA as Compact Antenna for Broadband Applications. IETE Journal of Research, 2020, 66, 53-64.	2.6	10
12	Circularly Polarized Self-Diplexing SIW Cavity Backed Slot Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 2387-2392.	5.1	46
13	Design and packaging of ultra-wideband multiple-input-multiple-output/diversity antenna for wireless applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22357.	1.2	14
14	Anisotropic meta-surface-based wideband high gain circularly polarized patch antenna. Electromagnetics, 2020, 40, 594-604.	0.7	0
15	Planar Four-Port Dual Circularly-Polarized MIMO Antenna for Sub-6 GHz Band. IEEE Access, 2020, 8, 90779-90791.	4.2	38
16	In-Band RCS Reduction and Isolation Enhancement of a 24 GHz Radar Antenna Using Metamaterial Absorber for Sensing and Automotive Radar Applications. IEEE Sensors Journal, 2020, 20, 13086-13093.	4.7	23
17	Performance of cascode Class-F PA with built-in techniques for UWB radar toward monitoring of patient actions. IET Circuits, Devices and Systems, 2020, 14, 235-242.	1.4	2
18	A Compact Self-Triplexing Antenna Using HMSIW Cavity. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 861-865.	4.0	27

#	ARTICLE	IF	CITATIONS
19	Modeling of a dual circularly polarized capacitive-coupled slit-loaded truncated microstrip antenna. <i>Journal of Computational Electronics</i> , 2020, 19, 1564-1572.	2.5	5
20	Self-Quadruplexing Circularly Polarized SIW Cavity-Backed Slot Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6419-6423.	5.1	29
21	A high gain wideband circularly polarized microstrip antenna. <i>International Journal of Microwave and Wireless Technologies</i> , 2020, 12, 678-687.	1.9	8
22	Performance of ultra-wide band DCBLNA with suspended strip line radiator for human breast cancer diagnosis medical imaging application. <i>IET Circuits, Devices and Systems</i> , 2020, 14, 1228-1234.	1.4	1
23	Conductor Backed CPW-Fed Dual-Mode Excited High Gain Cylindrical Cavity DRA for Unmanned Aircraft Systems (UAS) or Drone Data-Link Applications at C Band. <i>IETE Technical Review (Institution of Tj ETQq1 1302784314 rgBT /O</i>		
24	Compact Self-Quadruplexing SIW Cavity-Backed Slot Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 6656-6660.	5.1	38
25	Design of a wideband polarisation conversion metasurface and its application for RCS reduction and gain enhancement of a circularly polarised antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 1427-1437.	1.4	15
26	Substrate integrated waveguide dual-frequency dual-sense circularly polarized cavity-backed slot antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21987.	1.2	4
27	Wideband High-Gain Circularly-Polarized Low RCS Dipole Antenna With a Frequency Selective Surface. <i>IEEE Access</i> , 2019, 7, 156592-156602.	4.2	12
28	Compact planar reconfigurable UWB-MIMO antenna with on-demand worldwide interoperability for microwave access/wireless local area network rejection. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 1684-1689.	1.4	50
29	Analysis and design of an ultra-thin metamaterial absorber and its application for in-band RCS reduction of antenna. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 654-667.	1.6	5
30	Applicability of Cavity Modeling Technique to Analyze Complex Waveguide Structures Involving Cavity Cross Couplings. <i>Wireless Personal Communications</i> , 2019, 108, 1431-1445.	2.7	1
31	Design of a Variable Depth Axially Corrugated Horn Antenna at X-Band for Low Cross-Polarization Applications. <i>Wireless Personal Communications</i> , 2019, 108, 269-280.	2.7	2
32	Polarization-Reconfigurable Compact Monopole Antenna With Wide Effective Bandwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1041-1045.	4.0	57
33	Varactor Tuned Dual-Band Bandpass Filter With Independently Tunable Band Positions. <i>IEEE Microwave and Wireless Components Letters</i> , 2019, 29, 255-257.	3.2	27
34	SIW resonator fed horn mounted compact DRA with enhanced gain for multiband applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2019, 11, 821-828.	1.9	3
35	Balanced bandpass filter using TE ₀₁₁ -mode dielectric resonator. <i>Electromagnetics</i> , 2019, 39, 254-261.	0.7	0
36	Design and Investigation of Dual Band CDRA Excited by Conformal Feed for Broadband Wireless Applications. <i>Wireless Personal Communications</i> , 2019, 106, 1531-1546.	2.7	1

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37	Gain enhancement and RCS reduction of CP patch antenna using partially reflecting and absorbing metasurface. <i>Electromagnetics</i> , 2019, 39, 120-135.	0.7	3
38	Harmonic Suppressed Tunable Bandpass Filter Using Varactor-Tuned Stub-Loaded Resonator. <i>IETE Journal of Research</i> , 2019, , 1-5.	2.6	1
39	8-Port multibeam planar UWB-MIMO antenna with pattern and polarisation diversity. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 2297-2302.	1.4	45
40	Low profile coupling feed circularly polarized antennas for WLAN applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21525.	1.2	1
41	Wideband circularly polarized magnetoelectric dipole antenna with I-slot for C-band applications. <i>Journal of Computational Electronics</i> , 2019, 18, 660-670.	2.5	9
42	A compact UWB-MIMO with dual grounded CRR for isolation improvement. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21500.	1.2	22
43	Dual-Band Dual-Sense Polarization Reconfigurable Circularly Polarized Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 64-68.	4.0	57
44	Wideband and high-gain circularly polarised microstrip antenna design using sandwiched metasurfaces and partially reflecting surface. <i>IET Microwaves, Antennas and Propagation</i> , 2019, 13, 305-312.	1.4	15
45	Design and analysis of seven-bands-slot-antenna with small frequency ratio for different wireless applications. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 99, 100-109.	2.9	13
46	Metamaterial based circularly polarized hexa-band patch antenna with small frequency ratios for multiple wireless applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2019, 33, 520-540.	1.6	3
47	An integrated cascode DE power amplifier for RF calibration system towards measurement of bio-sensor applications. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 31-36.	1.4	0
48	Compact four-element MIMO SIW cavity backed slot antenna with high front-to-back ratio. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21512.	1.2	10
49	Investigation of CMOS Based Integration Approach Using DAI Technique for Next Generation Wireless Networks. <i>Wireless Personal Communications</i> , 2019, 104, 1091-1107.	2.7	1
50	Low profile single feed monopole antenna for quad-band circularly polarised applications. <i>International Journal of Electronics</i> , 2019, 106, 318-331.	1.4	9
51	Compact 4-Port MIMO/Diversity Antenna with Low Correlation for UWB Application. <i>Frequenz</i> , 2018, 72, 429-435.	0.9	13
52	Gain and Bandwidth Enhancement of Tetracuspid-shaped DRA Mounted with Conical Horn. <i>Frequenz</i> , 2018, 72, 315-323.	0.9	2
53	Dual-Band Dual-Sense Circularly Polarized Substrate Integrated Waveguide Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 521-524.	4.0	30
54	Aperture Field Estimation in E Plane and H-Plane T-Junctions Using Field Theoretic Analysis. <i>Wireless Personal Communications</i> , 2018, 98, 3477-3503.	2.7	3

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55	Analysis and Optimization of Conformal Patch Excited Wideband DRA of Several Shapes. <i>Frequenz</i> , 2018, 72, 197-208.	0.9	6
56	Integrated amateur band and ultra-wide band monopole antenna with multiple band-notched. <i>International Journal of Electronics</i> , 2018, 105, 741-755.	1.4	9
57	Triple Band Dual Polarized CPW-Fed Planar Monopole Antenna. <i>Wireless Personal Communications</i> , 2018, 99, 431-440.	2.7	11
58	Compact triple-band stacked monopole antenna for USB dongle applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018, 28, e21161.	1.2	3
59	Compact microstrip antennas with very wide ARBW and triple circularly polarized bands. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018, 28, e21162.	1.2	8
60	Wideband Frequency Reconfigurable Patch Antenna for Various Wireless Applications. , 2018, , .		2
61	Performance Study of a 4-port UWB-MIMO/Diversity Antenna in Proximity to a Human Arm for WBAN Application. , 2018, , .		0
62	ANTENNA WITH HEXA-BAND CAPABILITIES FOR MULTIPLE WIRELESS APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , 2018, 82, 109-122.	0.9	2
63	Investigation of Compact Dielectric Monopole Antenna Integrated with 3D Printed Horn for UWB Applications. <i>Frequenz</i> , 2018, 72, 489-501.	0.9	3
64	ANALYSIS OF FIELD PROPAGATION THROUGH A MULTIPORT FREQUENCY SELECTIVE NETWORK USING CAVITY MODELING TECHNIQUE. <i>Progress in Electromagnetics Research C</i> , 2018, 82, 209-223.	0.9	2
65	Numerical analysis of an unmatched B&Sifot junction for X-band orthomode transducer applications. , 2018, , .		0
66	Dual broadband high gain SIW slot array antenna. , 2018, , .		2
67	Gain enhancement and broadband RCS reduction of a circularly polarized aperture-coupled annular-slot antenna using metasurface. <i>Journal of Computational Electronics</i> , 2018, 17, 1037-1046.	2.5	5
68	2&A18GHz wide band co-design integrated LNA with active antenna for mobile communication technologies. <i>Analog Integrated Circuits and Signal Processing</i> , 2018, 96, 39-52.	1.4	1
69	Compact CPW-Fed ultrawideband MIMO antenna using hexagonal ring monopole antenna elements. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 93, 1-6.	2.9	80
70	Compact dual frequency substrate integrated waveguide semi-ring loop slot antenna. , 2018, , .		1
71	Compact ultra&Ewideband microstrip antenna with dual polarisation/multi&Enotch characteristics. <i>IET Microwaves, Antennas and Propagation</i> , 2018, 12, 1546-1553.	1.4	10
72	Penta-band microstrip patch antenna with small frequency ratios using metamaterial for wireless applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2018, 10, 968-977.	1.9	6

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73	Compact 4-Port UWB-MIMO Slot Antenna with Dual Polarization and Low Correlation for Spatial Diversity Application. <i>Frequenz</i> , 2018, 72, 503-509.	0.9	10
74	Half mode substrate integrated waveguide cavity backed antenna with low cross-polarization. , 2018, , .		1
75	Integrated GSM-UWB Fibonacci-type antennas with single, dual, and triple notched bands. <i>IET Microwaves, Antennas and Propagation</i> , 2018, 12, 1004-1012.	1.4	22
76	A compact 4-port UWB-MIMO/diversity antenna for WPAN application. , 2018, , .		7
77	Microstrip dual-band bandpass filter with independently tunable passbands using varactor-tuned stub loaded resonators. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 73, 105-109.	2.9	17
78	Dual-band dual-sense circularly polarized square slot antenna with changeable polarization. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 902-907.	1.4	14
79	Tripple-Band Microstrip Antenna for Wireless Application. <i>Wireless Personal Communications</i> , 2017, 96, 1029-1037.	2.7	11
80	A compact microstrip fed dual polarised multiband antenna for IEEE 802.11 a/b/g/n/ac/ax applications. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 72, 95-103.	2.9	41
81	Design of differential-mode bandpass filter with common-mode suppression using ring dielectric resonator. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 1029-1035.	1.9	3
82	Reconfigurable circularly polarized capacitive coupled microstrip antenna. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 843-850.	1.9	9
83	A Compact Dual-Polarized MIMO Antenna With Distinct Diversity Performance for UWB Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 3096-3099.	4.0	55
84	Design and Analysis of Low Noise Optimization Amplifier Using Reconfigurable Slotted Patch Antenna. <i>Wireless Personal Communications</i> , 2017, 97, 5185-5200.	2.7	1
85	Broadband Dual Circularly Polarized Substrate Integrated Waveguide Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2971-2974.	4.0	37
86	Substrate Integrated Waveguide Cavity-Backed Self-Triplexing Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 3249-3252.	4.0	56
87	CPW-Fed Dual-Band Dual-Sense Circularly Polarized Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2497-2500.	4.0	101
88	Narrow-Band Bandpass Filter for Wireless Communication System. <i>Frequenz</i> , 2017, 71, .	0.9	4
89	11-17GHz Reconfigurable Stacked Power Amplifier Using Matched Slant Microstrip Line for Ku Band Application. <i>Wireless Personal Communications</i> , 2017, 92, 1771-1785.	2.7	3
90	Dual-Band dual-sense circularly polarized slot antenna. , 2017, , .		5

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91	Dual band dual polarized cavity backed cross slot half mode substrate integrated waveguide antenna. , 2017, , .		4
92	Analysis and Design of Compact High Gain Microstrip Patch Antenna with Defected Ground Structure for Wireless Applications. Wireless Personal Communications, 2016, 91, 661-678.	2.7	22
93	Optimized Threshold Voltage Variation for Tunable Body Biasing CMOS Power Amplifier. Wireless Personal Communications, 2016, 91, 439-452.	2.7	2
94	Bandpass filter using dielectric resonator with transmission zeros. Microwave and Optical Technology Letters, 2016, 58, 1583-1586.	1.4	6
95	Analysis and Design of Switchable Rectangular Monopole Antenna Using Asymmetric Cross Slot for Wireless Communication. Wireless Personal Communications, 2016, 89, 119-133.	2.7	2
96	A novel design of Convex Hexagonal Dielectric Resonator Antenna with parasitic plate. , 2016, , .		0
97	Application of Magnetic Biasing to improve bandwidth in DRA coupled Patch antenna using PBG substrate. , 2016, , .		1
98	A Broadband Dual Circularly Polarized Square Slot Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 290-294.	5.1	107
99	Triple band circularly polarized compact microstrip antenna with defected ground structure for wireless applications. International Journal of Microwave and Wireless Technologies, 2016, 8, 943-953.	1.9	20
100	Novel quadâ€band circularly polarized capacitiveâ€fed microstrip antenna for <scp>C</scp>â€band applications. Microwave and Optical Technology Letters, 2015, 57, 2622-2628.	1.4	12
101	A compact UWB antenna with reconfigurable dual notch bands. Microwave and Optical Technology Letters, 2015, 57, 2737-2742.	1.4	8
102	MULTIBAND CIRCULARLY POLARIZED STACKED MICROSTRIP ANTENNA. Progress in Electromagnetics Research C, 2015, 56, 55-64.	0.9	13
103	Printed Monopole Antenna for Ultra-Wideband Application with Tunable Triple Band-Notched Characteristics. Wireless Personal Communications, 2015, 84, 2943-2954.	2.7	22
104	Printed Ultrawideband Monopole Antenna with Four Notch Band. Wireless Personal Communications, 2015, 84, 2989-2999.	2.7	8
105	A Miniaturization Approach Towards 40ÂGHz Integrated Single Chip Receiver System for MMW Communication Networks. Wireless Personal Communications, 2015, 84, 1285-1302.	2.7	7
106	A compact parallel coupled wideband bandpass filter with DGS and spurline. , 2015, , .		1
107	CPW-fed Tri-band monopole antenna for wireless applications. , 2015, , .		0
108	A Triple Band Notch Compact UWB Printed Monopole Antenna. Wireless Personal Communications, 2015, 82, 1095-1106.	2.7	9

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109	A compact triple band notch circular ring antenna for UWB applications. Microwave and Optical Technology Letters, 2015, 57, 668-672.	1.4	23
110	Proximity-Coupled Microstrip Antenna for Bluetooth, WiMAX, and WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 755-758.	4.0	75
111	Complementary Split Ring Resonator Based Compact Wideband Microstrip Antenna with Tunable Bands. Wireless Personal Communications, 2015, 80, 635-645.	2.7	2
112	Co-design Approach for Wide-Band Asymmetric Cross Shaped Slotted Patch Antenna with LNA. Wireless Personal Communications, 2015, 85, 863-877.	2.7	2
113	<scp>CPW</scp>-fed broadband circularly polarized rectangular slot antenna with L-shaped feed line and parasitic elements. Microwave and Optical Technology Letters, 2015, 57, 1788-1794.	1.4	26
114	Design of Dual-Frequency CPW-fed Monopole Antenna for Wireless Application. , 2015, , .		0
115	Metamaterial-Based Electrically Small Wide Band L-Shaped Monopole Antenna. , 2015, , .		1
116	Analysis and design of dual band compact stacked Microstrip patch antenna with defected ground structure for WLAN/WiMax applications. AEU - International Journal of Electronics and Communications, 2015, 69, 39-47.	2.9	65
117	Proximity-Coupled Multiband Microstrip Antenna for Wireless Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 646-649.	4.0	70
118	PLANAR ULTRAWIDEBAND MONOPOLE ANTENNA WITH TRI-NOTCH BAND CHARACTERISTICS. Progress in Electromagnetics Research C, 2014, 46, 163-170.	0.9	25
119	Optimization of noise figure and gain of a CMOS RF low noise amplifier. , 2014, , .		0
120	Three-order microstrip bandpass filter with two transmission zeros for WLAN/WiMAX applications. , 2014, , .		1
121	Bandwidth enhancement and cross-polarization suppression in ultrawideband microstrip antenna with defected ground plane. Microwave and Optical Technology Letters, 2014, 56, 2141-2146.	1.4	21
122	A compact 4x4 ultrawideband(UWB) band notched MIMO antenna. , 2014, , .		8
123	Analysis and design of wide band Microstrip-line-fed antenna with defected ground structure for Ku band applications. AEU - International Journal of Electronics and Communications, 2014, 68, 951-957.	2.9	60
124	A New Compact Planar Ultra-wideband Microstrip Patch Antenna. , 2013, , .		2
125	Compact printed monopole antenna for ultra-wideband application with dual band-notched characteristic. Microwave and Optical Technology Letters, 2013, 55, 2595-2600.	1.4	17
126	A compact branch-line coupler using folded microstrip lines. , 2013, , .		28

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127	CPW-fed broadband circularly polarized microstrip rectangular slot antenna with triangular fractal slots in tuning stub. , 2013, , .		0
128	CPW-fed broadband circularly polarized microstrip rectangular slot antenna with circular shaped tuning stub. , 2013, , .		4
129	Compact proximity coupled multi-band patch antenna. , 2013, , .		1
130	An approach to analyze planar microstrip circuits with complementary split ring resonator at the ground plane using finite-difference time-domain method. , 2012, , .		0
131	A Microstrip Patch antenna for biomedical applications at 2.45 GHz. , 2012, , .		5
132	A compact super ultra-wideband (UWB) printed monopole antenna. , 2012, , .		5
133	Compact wide stopband low-pass filter using rectangular patch compact microstrip resonant cell and defected ground structure. Microwave and Optical Technology Letters, 2007, 49, 798-800.	1.4	25
134	Compact sharp cutoff wide stopband microstrip low-pass filter using complementary split ring resonator. Microwave and Optical Technology Letters, 2007, 49, 2865-2867.	1.4	13
135	ANALYSIS OF LINEAR TAPERED WAVEGUIDE BY TWO APPROACHES. Progress in Electromagnetics Research, 2006, 64, 219-238.	4.4	14
136	An arbitrary dual-band microstrip hybrid-ring. Microwave and Optical Technology Letters, 2006, 48, 840-842.	1.4	8
137	Compact sharp cutoff wide stopband low-pass filter using defected ground structure and spurline. Microwave and Optical Technology Letters, 2006, 48, 1871-1873.	1.4	7
138	Size reduction and harmonic suppression of microstrip branch-line coupler using defected ground structure. Microwave and Optical Technology Letters, 2006, 48, 1966-1969.	1.4	39
139	Ultra-wideband, high efficiency oriented RF power amplifier using current source MIC technique for wireless monitoring of obstetrics patient. Analog Integrated Circuits and Signal Processing, 0, , 1.	1.4	1