Ghanshyam Singh

List of Publications by Year
in descending order

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232 papers	2,740 citations	201674 27 h-index	289244 40 g-index
251 all docs	251 docs citations	251 times ranked	1451 citing authors

#	Article	IF	Citations
1	Rectangular Microstirp Patch Antenna Design at THz Frequency for Short Distance Wireless Communication Systems. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1-7.	2.2	104
2	Terahertz planar antennas for future wireless communication: A technical review. Infrared Physics and Technology, 2013, 60, 71-80.	2.9	103
3	MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS FACTOR OF THE DIELECTRIC MATERIAL AT MICROWAVE FREQUENCIES. Progress in Electromagnetics Research, 2007, 69, 47-54.	4.4	93
4	Opportunistic Spectrum Sensing by Employing Matched Filter in Cognitive Radio Network. , 2011, , .		76
5	Design and performance analysis of cylindrical surrounding double-gate MOSFET for RF switch. Microelectronics Journal, 2011, 42, 1124-1135.	2.0	71
6	Design and performance analysis of double-gate MOSFET over single-gate MOSFET for RF switch. Microelectronics Journal, 2011, 42, 527-534.	2.0	62
7	Fighting terrorism with terahertz. IEEE Potentials, 2007, 26, 24-29.	0.3	56
8	Design considerations for rectangular microstrip patch antenna on electromagnetic crystal substrate at terahertz frequency. Infrared Physics and Technology, 2010, 53, 17-22.	2.9	55
9	Dual-band rectangular microstrip patch antenna at terahertz frequency for surveillance system. Journal of Computational Electronics, 2010, 9, 31-41.	2.5	54
10	An overview of spectrum sharing techniques in cognitive radio communication system. Wireless Networks, 2017, 23, 497-518.	3.0	52
11	A SIMPLE SYNTHESIS TECHNIQUE OF SINGLE-SQUARE-LOOP FREQUENCY SELECTIVE SURFACE. Progress in Electromagnetics Research B, 2012, 45, 165-185.	1.0	51
12	Terahertz antenna technology for imaging applications: a technical review. International Journal of Microwave and Wireless Technologies, 2018, 10, 271-290.	1.9	49
13	Analysis and design of terahertz microstrip antenna on photonic bandgap material. Journal of Computational Electronics, 2012, 11, 364-373.	2.5	48
14	Spectrum mobility in cognitive radio network using spectrum prediction and monitoring techniques. Physical Communication, 2017, 24, 1-8.	2.1	46
15	Analysis of optimal threshold selection for spectrum sensing in a cognitive radio network: an energy detection approach. Wireless Networks, 2019, 25, 3917-3931.	3.0	44
16	Analysis and design of rectangular microstrip antenna onÂtwo-layer substrate materials at terahertz frequency. Journal of Computational Electronics, 2010, 9, 68-78.	2.5	43
17	DESIGN OF SINGLE PIN SHORTED THREE-DIELECTRIC-LAYERED SUBSTRATES RECTANGULAR PATCH MICROSTRIP ANTENNA FOR COMMUNICATION SYSTEMS. Progress in Electromagnetics Research Letters, 2008, 2, 157-165.	0.7	40
18	Terahertz Planar Antennas for Next Generation Communication. , 2014, , .		40

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19	Throughput maximization with reduced data loss rate in cognitive radio network. Telecommunication Systems, 2014, 57, 209-215.	2.5	36
20	Advanced Frame Structures for Hybrid Spectrum Access Strategy in Cognitive Radio Communication Systems. IEEE Communications Letters, 2017, 21, 410-413.	4.1	35
21	Spectrum Sharing in Cognitive Radio Networks. , 2017, , .		33
22	Analysis of a tapered vane loaded broad-band gyro-TWT. IEEE Transactions on Plasma Science, 2001, 29, 439-444.	1.3	32
23	A NOVEL DIGITAL BEAMFORMER WITH LOW ANGLE RESOLUTION FOR VEHICLE TRACKING RADAR. Progress in Electromagnetics Research, 2006, 66, 229-237.	4.4	32
24	Performance analysis of high-traffic cognitive radio communication system using hybrid spectrum access, prediction and monitoring techniques. Wireless Networks, 2018, 24, 2005-2015.	3.0	32
25	Analysis and design of enhanced directivity microstrip antenna at terahertz frequency by using electromagnetic bandgap material. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 410-424.	1.9	31
26	Spectrum sharing in cognitive radio communication system using power constraints: A technical review. Perspectives in Science, 2016, 8, 651-653.	0.6	31
27	Smart Vehicle Navigation System Using Hidden Markov Model and RFID Technology. Wireless Personal Communications, 2016, 90, 1717-1742.	2.7	31
28	Backoff Algorithm in Cognitive Radio MAC Protocol for Throughput Enhancement. IEEE Transactions on Vehicular Technology, 2015, 64, 1991-2000.	6.3	30
29	Analysis of highly directive photoconductive dipole antenna at terahertz frequency for sensing and imaging applications. Optics Communications, 2017, 397, 129-139.	2.1	30
30	Microstrip patch array antenna on photonic crystal substrate at terahertz frequency. Infrared Physics and Technology, 2012, 55, 32-39.	2.9	28
31	Analysis of double-gate CMOS for double-pole four-throw RF switch design at 45-nm technology. Journal of Computational Electronics, 2011, 10, 229-240.	2.5	26
32	Semantic segmentation in medical images through transfused convolution and transformer networks. Applied Intelligence, 2023, 53, 1132-1148.	5.3	26
33	Multiuser diversity for mixed RF/FSO cooperative relaying in the presence of interference. Optics Communications, 2019, 442, 77-83.	2.1	25
34	Microstrip Antennas Loaded with Shorting Post. Engineering, 2009, 01, 41-45.	0.8	23
35	Analysis of an azimuthally periodic vane-loaded cylindrical waveguide for a gyro-travelling-wave tube. International Journal of Electronics, 1999, 86, 1463-1479.	1.4	22
36	Analysis of narrow terahertz microstrip transmission-line onÂmultilayered substrate. Journal of Computational Electronics, 2011, 10, 186-194.	2.5	22

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37	Frameworks of non-orthogonal multiple access techniques in cognitive radio communication systems. China Communications, 2019, 16, 129-149.	3.2	21
38	Design of highly directive cavity type terahertz antenna for wireless communication. Optics Communications, 2011, 284, 4996-5002.	2.1	20
39	Spectrum Sensing in Cognitive Radio Networks: Potential Challenges and Future Perspective. , 2017, , 35-75.		20
40	Performance analysis of cognitive radio networks using channel-prediction-probabilities and improved frame structure. Digital Communications and Networks, 2018, 4, 287-295.	5.0	20
41	Design of highly directive lens-less photoconductive dipole antenna array with frequency selective surface for terahertz imaging applications. Optik, 2018, 173, 206-219.	2.9	20
42	Threshold selection and cooperation in fading environment of cognitive radio network: Consequences on spectrum sensing and throughput. AEU - International Journal of Electronics and Communications, 2020, 117, 153101.	2.9	19
43	Capacity in fading environment based on soft sensing information under spectrum sharing constraints. Wireless Networks, 2017, 23, 519-531.	3.0	18
44	Analytical framework of small-gap photoconductive dipole antenna using equivalent circuit model. Optical and Quantum Electronics, 2017, 49, 1.	3.3	18
45	Non-Cooperative Spectrum Sensing: A Hybrid Model Approach. , 2011, , .		17
46	Drain Current and Noise Model of Cylindrical Surrounding Double-Gate MOSFET for RF Switch. Procedia Engineering, 2012, 38, 517-521.	1.2	17
47	Effect of low dielectric permittivity on microstrip antenna at terahertz frequency. Optik, 2013, 124, 5777-5780.	2.9	17
48	Numerical Computation of Resonant Frequency of Gap Coupled Circular Microstrip Antennas. Journal of Electromagnetic Waves and Applications, 2007, 21, 1303-1311.	1.6	16
49	Improved Performance Analysis of Square Patch Microstrip Antenna at Terahertz Frequency. , 2009, , .		16
50	Performance analysis of undoped and Gaussian doped cylindrical surrounding-gate MOSFET with it's small signal modeling. Microelectronics Journal, 2016, 57, 66-75.	2.0	16
51	Gain and Bandwidth Enhancement Techniques of Microstrip Antenna: A Technical Review. , 2019, , .		16
52	Prediction of highly directive probeâ€fed microstrip antenna at terahertz frequency. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 175-191.	1.9	14
53	Measurement of Oxide Thickness for MOS Devices, Using Simulation of SUPREM Simulator. International Journal of Computer Applications, 2010, 1, 66-70.	0.2	14
54	Theoretical Investigation of the Input Impedance of Gap-Coupled Circular Microstrip Patch Antennas. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1148-1160.	2.2	13

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55	Analysis and design of ring-resonator integrated hemi-elliptical lens antenna at terahertz frequency. Optics Communications, 2012, 285, 3445-3452.	2.1	13
56	Gap-Coupling: A Potential Method for Enhancing the Bandwidth of Microstrip Antennas. Advanced Computational Techniques in Electromagnetics, 0, 2012, 1-6.	0.1	13
57	Analysis of a Vane-Loaded Gyro-TWT for the Gain-Frequency Response. IEEE Transactions on Plasma Science, 2004, 32, 2130-2138.	1.3	12
58	ANALYTICAL STUDY OF THE INTERACTION STRUCTURE OF VANE-LOADED GYRO-TRAVELING WAVE TUBE AMPLIFIER. Progress in Electromagnetics Research B, 2008, 4, 41-66.	1.0	12
59	Rate and Power Optimization Under Received-Power Constraints for Opportunistic Spectrum-Sharing Communication. Wireless Personal Communications, 2017, 96, 5667-5685.	2.7	12
60	A statistical channel model for a decode-and-forward based dual hop mixed RF/FSO relay network. Optical and Quantum Electronics, 2018, 50, 1.	3.3	12
61	Control of the gain-frequency response of a vane-loaded gyro-TWT by beam and magnetic field parameters. Microwave and Optical Technology Letters, 2000, 24, 140-145.	1.4	11
62	MODAL ANALYSIS OF AZIMUTHALLY PERIODIC VANE-LOADED CYLINDRICAL WAVEGUIDE INTERACTION STRUCTURE FOR GYRO-TWT. Progress in Electromagnetics Research, 2007, 70, 175-189.	4.4	11
63	Double Pole Four Throw switch design with CMOS inverter. , 2009, , .		11
64	Double-Pole Four-Throw RF CMOS switch design with double-gate transistors. , 2010, , .		11
65	Spectrum sharing in Cognitive Radio using game theory. , 2013, , .		11
66	Relay-aided free-space optical communications using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml28" display="inline" overflow="scroll" altimg="si3.gif"><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:mi>Î¼</mml:mi></mml:math> distribution over atmospheric turbulence channels with misalignment errors. Optics Communications, 2018, 416, 117-124.	2.1	11
67	Threshold selection analysis of spectrum sensing for cognitive radio network with censoring based imperfect reporting channels. Wireless Networks, 2021, 27, 961-980.	3.0	11
68	Application of VEE Pro Software for Measurement of MOS Device Parameters using C-V curve. International Journal of Computer Applications, 2010, 1, 43-46.	0.2	11
69	Microstrip patch antenna on photonic crystal substrate at terahertz frequency. , 2009, , .		10
70	Wavelet Based Spectrum Sensing Techniques in Cognitive Radio. Procedia Engineering, 2012, 38, 880-888.	1.2	10
71	Channel capacity in fading environment with CSI and interference power constraints for cognitive radio communication system. Wireless Networks, 2015, 21, 1275-1288.	3.0	10
72	Investigation on outage capacity of spectrum sharing system using CSI and SSI under received power constraints. Wireless Networks, 2019, 25, 1047-1056.	3.0	10

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73	Performance analysis of cooperative spectrum monitoring in cognitive radio network. Wireless Networks, 2019, 25, 989-997.	3.0	10
74	Power management for spectrum sharing in cognitive radio communication system: a comprehensive survey. Journal of Electromagnetic Waves and Applications, 2020, 34, 407-461.	1.6	10
75	High gain microstrip array antenna with SIW and FSS for beyond 5â€¯G at THz band. Optik, 2021, 236, 166568.	2.9	10
76	Highly Directive Microstrip Array Antenna with FSS for Future Generation Cellular Communication at THz Band. Wireless Personal Communications, 2021, 118, 599-617.	2.7	10
77	Spectrum monitoring in heterogeneous cognitive radio network: How to cooperate?. IET Communications, 2018, 12, 2110-2118.	2.2	10
78	Minimizing Power Consumption by Personal Computers: A Technical Survey. International Journal of Information Technology and Computer Science, 2012, 4, 57-66.	1.0	10
79	Gap - Coupled Microstrip Antennas. , 2007, , .		9
80	Design considerations to improve the performance of a rectangular microstrip patch antenna at THz frequency. , 2008, , .		9
81	Circular ring frequency selective surface: A novel synthesis technique. , 2013, , .		9
82	Azimuthally periodic wedge-shaped metal vane loaded circular ring frequency selective surface. International Journal of Microwave and Wireless Technologies, 2015, 7, 95-106.	1.9	9
83	Frame structures for hybrid spectrum accessing strategy in cognitive radio communication system. , 2016, , .		9
84	Design of angular and polarization stable modified circular ring frequency selective surface for satellite communication system. International Journal of Microwave and Wireless Technologies, 2016, 8, 899-907.	1.9	9
85	Wide stopband harmonic suppressed low-pass filter with novel DGS. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21235.	1.2	9
86	Aspects of Trusted Routing Communication in Smart Networks. Wireless Personal Communications, 2018, 98, 2367-2387.	2.7	9
87	MMWAVE/THZ RECONFIGURABLE ULTRA-WIDEBAND (UWB) MICROSTRIP ANTENNA. Progress in Electromagnetics Research C, 2021, 111, 207-224.	0.9	9
88	Error-rate analysis of the OFDM for correlated Nakagami-m fading channel by using maximal-ratio combining diversity. International Journal of Microwave and Wireless Technologies, 2011, 3, 717-726.	1.9	8
89	ANALYSIS OF DRAIN CURRENT AND SWITCHING SPEED FOR SPDT SWITCH AND DPDT SWITCH WITH THE PROPOSED DP4T RF CMOS SWITCH. Journal of Circuits, Systems and Computers, 2012, 21, 1250026.	1.5	8
90	A NOVEL MGF BASED ANALYSIS OF CHANNEL CAPACITY OF GENERALIZED-K FADING WITH MAXIMAL-RATIO COMBINING DIVERSITY. Progress in Electromagnetics Research C, 2012, 26, 153-165.	0.9	8

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91	Moment Generating Function Based Performance Analysis of Maximal-Ratio Combining Diversity Receivers in the Generalized-K Fading Channels. Wireless Personal Communications, 2014, 77, 1959-1975.	2.7	8
92	A synthesis technique of single square loop frequency selective surface at terahertz frequency. Optik, 2014, 125, 6428-6435.	2.9	8
93	Aspects of secure communication during spectrum handoff in cognitive radio networks. , 2016, , .		8
94	Analysis of high-traffic cognitive radio network with imperfect spectrum monitoring technique. Computer Networks, 2018, 147, 27-37.	5.1	8
95	Design of highly directive terahertz photoconductive dipole antenna using frequency-selective surface for sensing and imaging applications. Journal of Computational Electronics, 2018, 17, 1721-1740.	2.5	8
96	DP4T RF CMOS Switch: A Better Option to Replace the SPDT Switch and DPDT Switch. Recent Patents on Electrical and Electronic Engineering, 2012, 5, 244-248.	0.5	8
97	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2002, 23, 517-533.	0.6	7
98	Repeated correlative coding scheme for mitigation of inter-carrier interference in an orthogonal frequency division multiplexing system. IET Communications, 2012, 6, 599.	2.2	7
99	MARGINAL MOMENT GENERATING FUNCTION BASED ANALYSIS OF CHANNEL CAPACITY OVER CORRELATED NAKAGAMI-M FADING WITH MAXIMAL-RATIO COMBINING DIVERSITY. Progress in Electromagnetics Research B, 2012, 41, 333-356.	1.0	7
100	Analysis of circular ring frequency selective surface at Ka/Ku band. , 2013, , .		7
101	A Novel Human Computer Interaction Aware Algorithm to Minimize Energy Consumption. Wireless Personal Communications, 2015, 81, 661-683.	2.7	7
102	Beam steering characteristics of highly directive photoconductive dipole phased array antenna for terahertz imaging application. Optical and Quantum Electronics, 2019, 51, 1.	3.3	7
103	Visible Light Communication-LEDs Illuminations for Smart Homes. , 2020, , .		7
104	Optimisation of censoringâ€based cooperative spectrum sensing approach with multiple antennas and imperfect reporting channel scenarios for cognitive radio network. IET Communications, 2020, 14, 2666-2676.	2.2	7
105	Performance analysis of MIMOâ€based CRâ€"NOMA communication systems. IET Communications, 2020, 14, 2677-2686.	2.2	7
106	Designing Parameters for RF CMOS Cells. Circuits and Systems, 2010, 01, 49-53.	0.1	7
107	Analytical Modeling of Ad Hoc Cognitive Radio Environment for Optimum Power Control. International Journal of Computer Applications, 2014, 92, 19-22.	0.2	7
108	Sixth-Generation (6G) Microstrip Antenna with High-Gain. International Journal on Communications Antenna and Propagation, 2021, 11, 279.	0.3	7

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109	Improved BER analysis of OFDM communication system on correlated Nakagami-m fading channel. , 2008, , .		6
110	2-D photonic crystals as substrate for THz/millimeter wave microstrip patch antennas. , 2008, , .		6
111	A Novel Bit Error Rate Analysis and Improved ICI Reduction Method in OFDM Communication Systems. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1170-1180.	2.2	6
112	Theoretical computation of input impedance of gap-coupled circular microstrip patch antennas loaded with shorting post. Journal of Computational Electronics, 2011, 10, 195-200.	2.5	6
113	A novel moment generating function based performance analysis over correlated Nakagami-m fading channels. Journal of Computational Electronics, 2011, 10, 373-381.	2.5	6
114	Performance analysis of an open-loop resonator loaded terahertz microstrip antenna. Microelectronics Journal, 2011, 42, 950-956.	2.0	6
115	Analysis of the Effect of Ground Plane Size on the Performance of a Probe-fed Cavity Resonator Microstrip Antenna. Wireless Personal Communications, 2013, 71, 1511-1521.	2.7	6
116	Terahertz frequency selective surface for future wireless communication systems. Optik, 2015, 126, 5909-5917.	2.9	6
117	Fixed and dynamic threshold selection criteria in energy detection for cognitive radio communication systems. , 2017, , .		6
118	High Gain Terahertz Microstrip Array Antenna for Future Generation Cellular Communication. , 2020, , .		6
119	FSS superstrate antenna for satellite cynosure on IoT to combat COVID-19 pandemic. Sensors International, 2021, 2, 100090.	8.4	6
120	Frequency-domain reconfigurable antenna for COVID-19 tracking. Sensors International, 2021, 2, 100094.	8.4	6
121	Improved approach for gain-frequency response of vane-loaded gyro-TWT. IEEE Transactions on Plasma Science, 2005, 33, 1443-1446.	1.3	5
122	A Novel Wideband Subarray Technique for Shaped Pattern Generation and Adaptively Interference Rejection. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 249-260.	0.6	5
123	Analysis of Dielectric Permittivity and Losses of Two-layer Substrate Materials for Microstrip Antenna at THz Frequency. , 2009, , .		5
124	Dual-frequency terahertz rectangular microstrip patch antenna on photonic crystal substrate. , 2009, , .		5
125	Constructive interference in Yagi-Uda type printed terahertz antenna on photonic crystal substrate. , 2010, , .		5
126	Effects of Capacitive and Inductive Coupling on Interconnects at RF Frequencies. , 2011, , .		5

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127	Effect of unit-cells of the frequency selective surface as superstrate on the directivity of rectangular microstrip antenna. Journal of Computational Electronics, 2014, 13, 496-502.	2.5	5
128	Adaptive Power Control Scheme for the Cognitive Radio System Based on Receiver Sensitivity. Lecture Notes in Electrical Engineering, 2015, , 69-79.	0.4	5
129	Design of dual-polarized and angular stable new bandpass frequency selective surface in X-band. Telecommunication Systems, 2016, 61, 559-567.	2.5	5
130	Performance analysis of different threshold selection schemes in energy detection for cognitive radio communication systems. , 2017, , .		5
131	Intelligent threshold selection in fading environment of cognitive radio network: Advances in throughput and total error probability. International Journal of Communication Systems, 2020, 33, e4175.	2.5	5
132	Analysis of Power Allocation in Visible Light-NOMA Communication Using Uniform Probability Distribution Function. , 2021, , .		5
133	Optimization of Fusion Center Parameters With Threshold Selection in Multiple Antenna and Censoring-Based Cognitive Radio Network. IEEE Sensors Journal, 2022, 22, 4709-4721.	4.7	5
134	Two-stage vane loading of gyro-TWTs for high gains and bandwidths. Microwave and Optical Technology Letters, 2000, 27, 210-213.	1.4	4
135	Gain-frequency response of nearby waveguide modes in vane-loaded gyro-TWT. IEEE Transactions on Plasma Science, 2006, 34, 554-558.	1.3	4
136	CONCEPTUAL DESIGN STUDIES OF AN 84 GHz, 500 kW, CW GYROTRON. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 657-670.	0.6	4
137	Miniaturization of gap-coupled circular microstrip antennas. , 2008, , .		4
138	Terahertz dipole antenna in Fabry-Perot cavity with two side-walls to enhance the directivity. , 2010, , .		4
139	Improvement in Total Sensing Time of the Receiver in the Cognitive Radio. , 2010, , .		4
140	Dual-Band Dielectric Rod Antenna for Satellite Communication System. , 2011, , .		4
141	Angular Stable, Dual-Polarized and Multiband Modified Circular Ring Frequency Selective Surface. Frequenz, 2015, 69, .	0.9	4
142	Analysis of outage capacity of cognitive radio network with partial channel state information. , 2015, , .		4
143	New results on turbulence modelling for Rayleigh-double generalized gamma mixed RF-FSO cooperative system. , 2017, , .		4
144	Terahertz Antenna for 5G Cellular Communication Systems: A Holistic Review. , 2019, , .		4

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145	Energy and spectral efficient SMCâ€MAC protocol in distributed cognitive radio networks. IET Communications, 2019, 13, 2705-2713.	2.2	4
146	Outage Probability of Device-to-Device Communication Underlaying Cellular Network over Nakagami/Rayleigh Fading Channels. , 2019, , .		4
147	Security and interference management in the cognitive-inspired Internet of Medical Things. , 2020, , 131-149.		4
148	Free-space optical link optimization in visible light communication system. Journal of Optical Communications, 2022, .	4.7	4
149	Secrecy Capacity of Diffusive Molecular Communication Under Different Deployments. IEEE Access, 2022, 10, 21670-21683.	4.2	4
150	Beamforming D-band phased array microstrip antennas. Sensors International, 2022, 3, 100196.	8.4	4
151	A DELAY-LINE CANCELLATION METHOD FOR CLUTTER ATTENUATION AND ELIMINATION OF BLIND SPEED. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 1529-1538.	0.6	3
152	Possibilities of HfO<inf>2</inf> for Double-Pole Four-Throw Double-Gate RF CMOS switch. , 2011, , .		3
153	Optimization of Drain Current and Voltage Characteristics for DP4T Double-Gate RF CMOS Switch at 45-nm Technology. Procedia Engineering, 2012, 38, 486-492.	1.2	3
154	Self-scheduled MAC-layer protocol for spectrum sharing in cognitive radio communication. , 2013, , .		3
155	Analysis of capacity limits over fading environment with imperfect channel state information for cognitive radio network. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 469-482.	2.5	3
156	Effect of imperfect spectrum monitoring on cognitive radio network performance. , 2017, , .		3
157	Highly directive dielectric resonator rod array antenna at terahertz frequency for imaging applications. , 2017, , .		3
158	Potential Simulation Frameworks and Challenges for Internet of Vehicles Networks. , 2020, , .		3
159	Terahertz Technology for Biomedical Application. , 2021, , 235-264.		3
160	Spectral efficient designs of MIMOâ€based CRâ€NOMA for Internet of Things Networks. International Journal of Communication Systems, 2021, 34, e4888.	2.5	3
161	Optimization of Vane-Parameters for Gain-Frequency Response of Vane-Loaded Gyro-TWT. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 247-262.	0.6	2
162	Design studies of an 84 GHz, 500 kW, CW gyrotron. , 0, , .		2

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163	GAIN AND BANDWIDTH ANALYSIS OF A VANE-LOADED GYRO-TWT. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 333-342.	0.6	2
164	Performance Evaluation of Cognitive Radio with Emphasis on Uplink and Downlink. , 2010, , .		2
165	Analysis of attenuation, isolation and switching speed of DP4T double gate RF CMOS switch design. , 2010, , .		2
166	Parasitic Capacitances in Double Gate MOSFET. , 2010, , .		2
167	Analysis of Channel Capacity of Generalized -K Fading with Maximal-Ratio Combining Diversity Receivers. , 2011, , .		2
168	User centric framework of power schemes for minimizing energy consumption by computer systems. , 2012, , .		2
169	Performance improvement of cognitive radio network using spectrum prediction and monitoring techniques for spectrum mobility. , 2016, , .		2
170	Sum-Rate Analysis of MIMO Based CR-NOMA Communication System. , 2019, , .		2
171	Design of a wideband square slot bandpass frequencyâ€selective surface using phase range analysis. Engineering Reports, 2020, 2, e12085.	1.7	2
172	Terahertz Antenna Technology for Imaging and Sensing Applications. , 2021, , 75-102.		2
173	Terahertz Imaging Modalities: State-of-the Art and Open Challenges. , 2021, , 39-73.		2
174	A framework for spectrum sharing in cognitive radio networks for military applications. IEEE Potentials, 2021, 40, 39-47.	0.3	2
175	Design of Double-Pole Four-Throw RF Switch. Analog Circuits and Signal Processing Series, 2014, , 23-43.	0.3	2
176	A Broadband Microstrip Patch Antenna for C-Band Wireless Applications. Smart Innovation, Systems and Technologies, 2020, , 219-226.	0.6	2
177	Optimization of Spectrum Management Issues for Cognitive Radio (Invited Paper). Journal of Emerging Technologies in Web Intelligence, 2011, 3, .	0.6	2
178	Double-Pole Four-Throw RF Switch Based on Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 85-109.	0.3	2
179	Microstrip Antenna Design by Using Electromagnetic Bandgap Material. , 2014, , 39-58.		2
180	HSA-SPC: Hybrid Spectrum Access with Spectrum Prediction and Cooperation for Performance Enhancement of Multiuser Cognitive Radio Network. Computer Networks, 2022, 203, 108596.	5.1	2

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181	Novel K best sphere decoders with higher order modulation for <scp>i</scp>nternet of <scp>t</scp>hings. International Journal of Communication Systems, 2022, 35, .	2.5	2
182	A Novel Printed Cross Antenna for Wideband Application. , 2007, , .		1
183	A Novel Implementation Technique of Conical Scan Radar Using A Programmable Phased Array. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 881-887.	0.6	1
184	Nano-antenna for optical resolution using plasmonic material as substrate. , 2008, , .		1
185	A Novel blind frequency offset estimation method for OFDM systems. , 2008, , .		1
186	Reduction in Parasitic Capacitances for Transmission Gate with the Help of CPL. , 2010, , .		1
187	Designing parameters for RF MOS cells. , 2010, , .		1
188	Full Subtractor Circuit Design with Independent Double Gate Transistor. , 2010, , .		1
189	Designing parameters for RF CMOS. , 2010, , .		1
190	An approach for the design of Cylindrical Surrounding Double-Gate MOSFET. , 2011, , .		1
191	Ring-Resonator Integrated Hemi-Elliptical Lens Antenna at Terahertz Frequency. , 2011, , .		1
192	New paradigm shift in wireless communication networks - Cognitive radio. , 2013, , .		1
193	Design of Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 45-83.	0.3	1
194	Design of Azimuthally Periodic Wedge-Shaped Circular Ring Bandpass Frequency Selective Surface Using Transmission-Line Method. Wireless Personal Communications, 2015, 85, 1411-1428.	2.7	1
195	Planar tri-band frequency selective surface with transmission in S-band and reflection in Ka/Ku-band. Radioelectronics and Communications Systems, 2015, 58, 479-486.	0.5	1
196	Channel capacity with suboptimal adaptation technique over generalized-K fading using marginal moment generating function. Radioelectronics and Communications Systems, 2016, 59, 325-334.	0.5	1
197	Cognitive Radio Communication System: Spectrum Sharing Techniques. , 2017, , 1-33.		1
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