

Ghanshyam Singh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220
papers

1,834
citations

24
h-index

33
g-index

251
ext. papers

2,280
ext. citations

1.8
avg, IF

5.55
L-index

#	Paper	IF	Citations
220	Optimization of Fusion Center Parameters with Threshold Selection in Multiple Antenna and Censoring based Cognitive Radio Network. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	0
219	Secrecy Capacity of Diffusive Molecular Communication Under Different Deployments. <i>IEEE Access</i> , 2022 , 10, 21670-21683	3.5	1
218	Semantic segmentation in medical images through transfused convolution and transformer networks.. <i>Applied Intelligence</i> , 2022 , 1-17	4.9	1
217	HSA-SPC: Hybrid Spectrum Access with Spectrum Prediction and Cooperation for Performance Enhancement of Multiuser Cognitive Radio Network. <i>Computer Networks</i> , 2021 , 108596	5.4	
216	Beam Steering Antenna Design with High Gain for Satellite Communication. <i>Communications in Computer and Information Science</i> , 2021 , 366-379	0.3	
215	Performance Analysis of MIMO-Based CR-NOMA Communication Systems 2021 , 229-253		
214	Cognitive Radio Network with Spectrum Prediction and Monitoring Techniques 2021 , 55-75		
213	Frameworks of Non-Orthogonal Multiple Access Techniques in Cognitive Radio Networks 2021 , 195-228		
212	Advanced Frame Structures in Cognitive Radio Networks 2021 , 39-53		
211	Effect of Imperfect Spectrum Monitoring on Cognitive Radio Networks 2021 , 97-119		
210	Spectrum Mobility in Cognitive Radio Networks Using Spectrum Prediction and Monitoring Techniques 2021 , 147-166		
209	High gain microstrip array antenna with SIW and FSS for beyond 5 G at THz band. <i>Optik</i> , 2021 , 236, 166568	6.5	2
208	Interference Management in Cognitive Radio Networks 2021 , 255-279		
207	Hybrid Self-Scheduled Multichannel Medium Access Control Protocol in Cognitive Radio Networks 2021 , 167-194		
206	Spectral efficient designs of MIMO-based CR-NOMA for Internet of Things Networks. <i>International Journal of Communication Systems</i> , 2021 , 34, e4888	1.7	1
205	Cooperative Spectrum Monitoring in Homogeneous and Heterogeneous Cognitive Radio Networks 2021 , 121-146		
204	Effect of Spectrum Prediction on Cognitive Radio Networks 2021 , 77-96		

203	Threshold selection analysis of spectrum sensing for cognitive radio network with censoring based imperfect reporting channels. <i>Wireless Networks</i> , 2021 , 27, 961-980	2.5	5
202	Terahertz Antenna Technology for Imaging and Sensing Applications 2021 , 75-102		0
201	Terahertz Technology for Biomedical Application 2021 , 235-264		0
200	MMWAVE/THZ RECONFIGURABLE ULTRA-WIDEBAND (UWB) MICROSTRIP ANTENNA. <i>Progress in Electromagnetics Research C</i> , 2021 , 111, 207-224	0.9	2
199	Beam-Steering Characteristics of Highly Directive Photoconductive Dipole Phased Array Antenna 2021 , 203-215		1
198	Small-Gap Photoconductive Dipole Antenna for Imaging and Sensing 2021 , 103-127		
197	Terahertz Imaging Modalities: State-of-the Art and Open Challenges 2021 , 39-73		
196	Directivity Enhancement of Terahertz Photoconductive Dipole Antenna: Approach of Frequency Selective Surface 2021 , 157-186		
195	FSS superstrate antenna for satellite cynosure on IoT to combat COVID-19 pandemic. <i>Sensors International</i> , 2021 , 2, 100090	6.1	2
194	Frequency-domain reconfigurable antenna for COVID-19 tracking. <i>Sensors International</i> , 2021 , 2, 1000946.1		1
193	Terahertz Integrated Circuit Design 2021 , 265-297		
192	Highly Directive Lens-Less Photoconductive Dipole Antenna Array for Imaging Applications 2021 , 187-202		
191	A framework for spectrum sharing in cognitive radio networks for military applications. <i>IEEE Potentials</i> , 2021 , 40, 39-47	1	1
190	Highly Directive Microstrip Array Antenna with FSS for Future Generation Cellular Communication at THz Band. <i>Wireless Personal Communications</i> , 2021 , 118, 599-617	1.9	0
189	Analytical Framework of Small-Gap Photoconductive Dipole Antenna: An Equivalent Circuit Model 2021 , 129-155		
188	Power management for spectrum sharing in cognitive radio communication system: a comprehensive survey. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 407-461	1.3	6
187	Threshold selection and cooperation in fading environment of cognitive radio network: Consequences on spectrum sensing and throughput. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 117, 153101	2.8	12
186	Power Allocation Techniques for Visible Light 2020 , 45-78		1

185	A Broadband Microstrip Patch Antenna for C-Band Wireless Applications. <i>Smart Innovation, Systems and Technologies</i> , 2020 , 219-226	0.5	2
184	Security and interference management in the cognitive-inspired Internet of Medical Things 2020 , 131-149		3
183	Optimisation of censoring-based cooperative spectrum sensing approach with multiple antennas and imperfect reporting channel scenarios for cognitive radio network. <i>IET Communications</i> , 2020 , 14, 2666-2676	1.3	5
182	Performance analysis of MIMO-based CR-NOMA communication systems. <i>IET Communications</i> , 2020 , 14, 2677-2686	1.3	3
181	Intelligent threshold selection in fading environment of cognitive radio network: Advances in throughput and total error probability. <i>International Journal of Communication Systems</i> , 2020 , 33, e4175 ¹⁻⁷		5
180	Design of a wideband square slot bandpass frequency-selective surface using phase range analysis. <i>Engineering Reports</i> , 2020 , 2, e12085	1.2	1
179	Potential Simulation Frameworks and Challenges for Internet of Vehicles Networks 2020 ,		1
178	Green Communication for Cognitive Cities. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2019 , 87-110	0.3	
177	Multiuser diversity for mixed RF/FSO cooperative relaying in the presence of interference. <i>Optics Communications</i> , 2019 , 442, 77-83	2	13
176	Active FSS Design using Multi-Resonators 2019 ,		1
175	Terahertz Antenna for 5G Cellular Communication Systems: A Holistic Review 2019 ,		1
174	Gain and Bandwidth Enhancement Techniques of Microstrip Antenna: A Technical Review 2019 ,		5
173	Energy and spectral efficient SMC-MAC protocol in distributed cognitive radio networks. <i>IET Communications</i> , 2019 , 13, 2705-2713	1.3	3
172	Frameworks of non-orthogonal multiple access techniques in cognitive radio communication systems. <i>China Communications</i> , 2019 , 16, 129-149	3	13
171	Outage Probability of Device-to-Device Communication Underlying Cellular Network over Nakagami/Rayleigh Fading Channels 2019 ,		1
170	Analysis of optimal threshold selection for spectrum sensing in a cognitive radio network: an energy detection approach. <i>Wireless Networks</i> , 2019 , 25, 3917-3931	2.5	29
169	Beam steering characteristics of highly directive photoconductive dipole phased array antenna for terahertz imaging application. <i>Optical and Quantum Electronics</i> , 2019 , 51, 1	2.4	3
168	Investigation on outage capacity of spectrum sharing system using CSI and SSI under received power constraints. <i>Wireless Networks</i> , 2019 , 25, 1047-1056	2.5	6

167	Performance analysis of cooperative spectrum monitoring in cognitive radio network. <i>Wireless Networks</i> , 2019 , 25, 989-997	2.5	9
166	Terahertz antenna technology for imaging applications: a technical review. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 271-290	0.8	23
165	Relay-aided free-space optical communications using distribution over atmospheric turbulence channels with misalignment errors. <i>Optics Communications</i> , 2018 , 416, 117-124	2	7
164	Wide stopband harmonic suppressed low-pass filter with novel DGS. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018 , 28, e21235	1.5	5
163	Performance analysis of high-traffic cognitive radio communication system using hybrid spectrum access, prediction and monitoring techniques. <i>Wireless Networks</i> , 2018 , 24, 2005-2015	2.5	27
162	Performance analysis of cognitive radio networks using channel-prediction-probabilities and improved frame structure. <i>Digital Communications and Networks</i> , 2018 , 4, 287-295	5.9	16
161	Aspects of Trusted Routing Communication in Smart Networks. <i>Wireless Personal Communications</i> , 2018 , 98, 2367-2387	1.9	6
160	Design of highly directive lens-less photoconductive dipole antenna array with frequency selective surface for terahertz imaging applications. <i>Optik</i> , 2018 , 173, 206-219	2.5	11
159	Design of highly directive terahertz photoconductive dipole antenna using frequency-selective surface for sensing and imaging applications. <i>Journal of Computational Electronics</i> , 2018 , 17, 1721-1740	1.8	6
158	Spectrum monitoring in heterogeneous cognitive radio network: How to cooperate?. <i>IET Communications</i> , 2018 , 12, 2110-2118	1.3	10
157	Analysis of high-traffic cognitive radio network with imperfect spectrum monitoring technique. <i>Computer Networks</i> , 2018 , 147, 27-37	5.4	7
156	A statistical channel model for a decode-and-forward based dual hop mixed RF/FSO relay network. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	9
155	An overview of spectrum sharing techniques in cognitive radio communication system. <i>Wireless Networks</i> , 2017 , 23, 497-518	2.5	35
154	Capacity in fading environment based on soft sensing information under spectrum sharing constraints. <i>Wireless Networks</i> , 2017 , 23, 519-531	2.5	11
153	Analysis of capacity limits over fading environment with imperfect channel state information for cognitive radio network. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017 , 72, 469-482	2	2
152	Spectrum Sharing in Cognitive Radio Networks 2017 ,		24
151	Analysis of highly directive photoconductive dipole antenna at terahertz frequency for sensing and imaging applications. <i>Optics Communications</i> , 2017 , 397, 129-139	2	24
150	Cognitive Radio Communication System: Spectrum Sharing Techniques 2017 , 1-33		1

149	Power Allocation for Optimal Energy Efficiency in MAC Protocol of Cognitive Radio Communication Systems 2017 , 145-157		1
148	Capacity Limits Over Fading Environment with Imperfect Channel State Information for Cognitive Radio Networks 2017 , 177-199		
147	Spectrum mobility in cognitive radio network using spectrum prediction and monitoring techniques. <i>Physical Communication</i> , 2017 , 24, 1-8	2.2	35
146	Distributed Cognitive Radio Medium Access Control Protocol in Perfect and Imperfect Channel Sensing Scenarios 2017 , 105-130		1
145	Spectrum Sensing in Cognitive Radio Networks: Potential Challenges and Future Perspective 2017 , 35-75		14
144	Channel Capacity of Cognitive Radio in a Fading Environment with CSI and Interference Power Constraints 2017 , 201-224		
143	Rate and Power Optimization Under Received-Power Constraints for Opportunistic Spectrum-Sharing Communication. <i>Wireless Personal Communications</i> , 2017 , 96, 5667-5685	1.9	7
142	Analytical framework of small-gap photoconductive dipole antenna using equivalent circuit model. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	15
141	Advanced Frame Structures for Hybrid Spectrum Access Strategy in Cognitive Radio Communication Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 410-413	3.8	34
140	Performance analysis of different threshold selection schemes in energy detection for cognitive radio communication systems 2017 ,		3
139	New results on turbulence modelling for Rayleigh-double generalized gamma mixed RF-FSO cooperative system 2017 ,		2
138	Fixed and dynamic threshold selection criteria in energy detection for cognitive radio communication systems 2017 ,		5
137	Effect of imperfect spectrum monitoring on cognitive radio network performance 2017 ,		2
136	Frame Structure for Throughput Maximization in Cognitive Radio Communication 2017 , 159-175		1
135	Medium Access Control Protocol for the Distributed Cognitive Radio Network 2017 , 77-104		
134	Design of angular and polarization stable modified circular ring frequency selective surface for satellite communication system. <i>International Journal of Microwave and Wireless Technologies</i> , 2016 , 8, 899-907	0.8	6
133	Design of dual-polarized and angular stable new bandpass frequency selective surface in X-band. <i>Telecommunication Systems</i> , 2016 , 61, 559-567	2.3	5
132	Smart Vehicle Navigation System Using Hidden Markov Model and RFID Technology. <i>Wireless Personal Communications</i> , 2016 , 90, 1717-1742	1.9	27

131	Channel capacity with suboptimal adaptation technique over generalized-K fading using marginal moment generating function. <i>Radioelectronics and Communications Systems</i> , 2016 , 59, 325-334	0.9	0
130	Performance analysis of undoped and Gaussian doped cylindrical surrounding-gate MOSFET with its small signal modeling. <i>Microelectronics Journal</i> , 2016 , 57, 66-75	1.8	14
129	Aspects of secure communication during spectrum handoff in cognitive radio networks 2016 ,		7
128	Spectrum sharing in cognitive radio communication system using power constraints: A technical review. <i>Perspectives in Science</i> , 2016 , 8, 651-653	0.8	26
127	Performance improvement of cognitive radio network using spectrum prediction and monitoring techniques for spectrum mobility 2016 ,		2
126	Frame structures for hybrid spectrum accessing strategy in cognitive radio communication system 2016 ,		8
125	Angular Stable, Dual-Polarized and Multiband Modified Circular Ring Frequency Selective Surface. <i>Frequenz</i> , 2015 , 69,	0.6	1
124	Channel capacity in fading environment with CSI and interference power constraints for cognitive radio communication system. <i>Wireless Networks</i> , 2015 , 21, 1275-1288	2.5	9
123	Adaptive Power Control Scheme for the Cognitive Radio System Based on Receiver Sensitivity. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 69-79	0.2	3
122	Azimuthally periodic wedge-shaped metal vane loaded circular ring frequency selective surface. <i>International Journal of Microwave and Wireless Technologies</i> , 2015 , 7, 95-106	0.8	7
121	Terahertz frequency selective surface for future wireless communication systems. <i>Optik</i> , 2015 , 126, 5909-5917		14
120	Analysis of outage capacity of cognitive radio network with partial channel state information 2015 ,		2
119	Backoff Algorithm in Cognitive Radio MAC Protocol for Throughput Enhancement. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 1991-2000	6.8	26
118	Design of Azimuthally Periodic Wedge-Shaped Circular Ring Bandpass Frequency Selective Surface Using Transmission-Line Method. <i>Wireless Personal Communications</i> , 2015 , 85, 1411-1428	1.9	1
117	Planar tri-band frequency selective surface with transmission in S-band and reflection in Ka/Ku-band. <i>Radioelectronics and Communications Systems</i> , 2015 , 58, 479-486	0.9	0
116	A Novel Human Computer Interaction Aware Algorithm to Minimize Energy Consumption. <i>Wireless Personal Communications</i> , 2015 , 81, 661-683	1.9	6
115	Moment Generating Function Based Performance Analysis of Maximal-Ratio Combining Diversity Receivers in the Generalized-K Fading Channels. <i>Wireless Personal Communications</i> , 2014 , 77, 1959-1975	1.9	7
114	Effect of unit-cells of the frequency selective surface as superstrate on the directivity of rectangular microstrip antenna. <i>Journal of Computational Electronics</i> , 2014 , 13, 496-502	1.8	5

113	A synthesis technique of single square loop frequency selective surface at terahertz frequency. <i>Optik</i> , 2014 , 125, 6428-6435	2.5	6
112	Throughput maximization with reduced data loss rate in cognitive radio network. <i>Telecommunication Systems</i> , 2014 , 57, 209-215	2.3	27
111	Terahertz Planar Antennas for Next Generation Communication 2014 ,		20
110	Design of Double-Gate MOSFET. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 45-83	0.2	1
109	Design of Double-Pole Four-Throw RF Switch. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 23-43	0.2	2
108	Conclusions and Future Scope. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 177-182	0.2	
107	Testing of MOSFETs Surfaces Using Image Acquisition. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 165-175	0.2	
106	Cylindrical Surrounding Double-Gate RF MOSFET. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 111-142	0.2	0
105	Double-Pole Four-Throw RF Switch Based on Double-Gate MOSFET. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 85-109	0.2	2
104	Hafnium Dioxide-Based Double-Pole Four-Throw Double-Gate RF CMOS Switch. <i>Analog Circuits and Signal Processing Series</i> , 2014 , 143-163	0.2	
103	Design of Highly Directive Cavity-Type Terahertz Antenna 2014 , 107-124		
102	Comparison Method to Predict the Directivity of Terahertz Patch Antenna 2014 , 147-166		
101	Terahertz Sources and Antennas 2014 , 1-22		
100	Patch Array Antenna on EBG Substrate 2014 , 59-81		
99	Microstrip Antenna Design by Using Electromagnetic Bandgap Material 2014 , 39-58		1
98	Terahertz Frequency Selective Surface 2014 , 167-184		
97	Performance Analysis of an Open-Loop Resonator Loaded Terahertz Microstrip Antenna 2014 , 125-145		1
96	Ring Resonator-Integrated Hemi-elliptical Lens Antenna 2014 , 83-105		1

95	Multilayered Microstrip Transmission Line 2014 , 23-37		
94	Terahertz planar antennas for future wireless communication: A technical review. <i>Infrared Physics and Technology</i> , 2013 , 60, 71-80	2.7	71
93	Spectrum sharing in Cognitive Radio using game theory 2013 ,		9
92	Analysis of the Effect of Ground Plane Size on the Performance of a Probe-fed Cavity Resonator Microstrip Antenna. <i>Wireless Personal Communications</i> , 2013 , 71, 1511-1521	1.9	5
91	Effect of low dielectric permittivity on microstrip antenna at terahertz frequency. <i>Optik</i> , 2013 , 124, 5777-5780	2.5	13
90	Self-scheduled MAC-layer protocol for spectrum sharing in cognitive radio communication 2013 ,		2
89	Circular ring frequency selective surface: A novel synthesis technique 2013 ,		7
88	Analysis of circular ring frequency selective surface at Ka/Ku band 2013 ,		4
87	Microstrip patch array antenna on photonic crystal substrate at terahertz frequency. <i>Infrared Physics and Technology</i> , 2012 , 55, 32-39	2.7	20
86	Analysis and design of ring-resonator integrated hemi-elliptical lens antenna at terahertz frequency. <i>Optics Communications</i> , 2012 , 285, 3445-3452	2	10
85	Repeated correlative coding scheme for mitigation of inter-carrier interference in an orthogonal frequency division multiplexing system. <i>IET Communications</i> , 2012 , 6, 599	1.3	6
84	Analysis and design of terahertz microstrip antenna on photonic bandgap material. <i>Journal of Computational Electronics</i> , 2012 , 11, 364-373	1.8	38
83	Optimization of Drain Current and Voltage Characteristics for DP4T Double-Gate RF CMOS Switch at 45-nm Technology. <i>Procedia Engineering</i> , 2012 , 38, 486-492		1
82	Drain Current and Noise Model of Cylindrical Surrounding Double-Gate MOSFET for RF Switch. <i>Procedia Engineering</i> , 2012 , 38, 517-521		8
81	Wavelet Based Spectrum Sensing Techniques in Cognitive Radio. <i>Procedia Engineering</i> , 2012 , 38, 880-888		8
80	User centric framework of power schemes for minimizing energy consumption by computer systems 2012 ,		1
79	MARGINAL MOMENT GENERATING FUNCTION BASED ANALYSIS OF CHANNEL CAPACITY OVER CORRELATED NAKAGAMI-M FADING WITH MAXIMAL-RATIO COMBINING DIVERSITY. <i>Progress in Electromagnetics Research B</i> , 2012 , 41, 333-356	0.7	7
78	A NOVEL MGF BASED ANALYSIS OF CHANNEL CAPACITY OF GENERALIZED-K FADING WITH MAXIMAL-RATIO COMBINING DIVERSITY. <i>Progress in Electromagnetics Research C</i> , 2012 , 26, 153-165	0.9	6

77	A SIMPLE SYNTHESIS TECHNIQUE OF SINGLE-SQUARE-LOOP FREQUENCY SELECTIVE SURFACE. <i>Progress in Electromagnetics Research B</i> , 2012 , 45, 165-185	0.7	36
76	Prediction of highly directive probe-fed microstrip antenna at terahertz frequency. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2012 , 25, 175-191	1	13
75	ANALYSIS OF DRAIN CURRENT AND SWITCHING SPEED FOR SPDT SWITCH AND DPDT SWITCH WITH THE PROPOSED DP4T RF CMOS SWITCH. <i>Journal of Circuits, Systems and Computers</i> , 2012 , 21, 1250026	0.9	5
74	DP4T RF CMOS Switch: A Better Option to Replace the SPDT Switch and DPDT Switch. <i>Recent Patents on Electrical and Electronic Engineering</i> , 2012 , 5, 244-248		6
73	Minimizing Power Consumption by Personal Computers: A Technical Survey. <i>International Journal of Information Technology and Computer Science</i> , 2012 , 4, 57-66	1.4	5
72	Effects of Capacitive and Inductive Coupling on Interconnects at RF Frequencies 2011 ,		1
71	Non-Cooperative Spectrum Sensing: A Hybrid Model Approach 2011 ,		10
70	Opportunistic Spectrum Sensing by Employing Matched Filter in Cognitive Radio Network 2011 ,		55
69	Design and performance analysis of cylindrical surrounding double-gate MOSFET for RF switch. <i>Microelectronics Journal</i> , 2011 , 42, 1124-1135	1.8	45
68	Design of highly directive cavity type terahertz antenna for wireless communication. <i>Optics Communications</i> , 2011 , 284, 4996-5002	2	18
67	Analysis of narrow terahertz microstrip transmission-line on multilayered substrate. <i>Journal of Computational Electronics</i> , 2011 , 10, 186-194	1.8	17
66	Theoretical computation of input impedance of gap-coupled circular microstrip patch antennas loaded with shorting post. <i>Journal of Computational Electronics</i> , 2011 , 10, 195-200	1.8	6
65	Analysis of double-gate CMOS for double-pole four-throw RF switch design at 45-nm technology. <i>Journal of Computational Electronics</i> , 2011 , 10, 229-240	1.8	13
64	A novel moment generating function based performance analysis over correlated Nakagami-m fading channels. <i>Journal of Computational Electronics</i> , 2011 , 10, 373-381	1.8	5
63	Analysis and design of enhanced directivity microstrip antenna at terahertz frequency by using electromagnetic bandgap material. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2011 , 24, 410-424	1	24
62	Analysis of Channel Capacity of Generalized -K Fading with Maximal-Ratio Combining Diversity Receivers 2011 ,		1
61	An approach for the design of Cylindrical Surrounding Double-Gate MOSFET 2011 ,		1
60	Design and performance analysis of double-gate MOSFET over single-gate MOSFET for RF switch. <i>Microelectronics Journal</i> , 2011 , 42, 527-534	1.8	32

59	Performance analysis of an open-loop resonator loaded terahertz microstrip antenna. <i>Microelectronics Journal</i> , 2011 , 42, 950-956	1.8	5
58	Dual-Band Dielectric Rod Antenna for Satellite Communication System 2011 ,		2
57	Error-rate analysis of the OFDM for correlated Nakagami-m fading channel by using maximal-ratio combining diversity. <i>International Journal of Microwave and Wireless Technologies</i> , 2011 , 3, 717-726	0.8	3
56	Optimization of Spectrum Management Issues for Cognitive Radio (Invited Paper). <i>Journal of Emerging Technologies in Web Intelligence</i> , 2011 , 3,		2
55	Terahertz dipole antenna in Fabry-Perot cavity with two side-walls to enhance the directivity 2010 ,		3
54	Performance Evaluation of Cognitive Radio with Emphasis on Uplink and Downlink 2010 ,		2
53	Constructive interference in Yagi-Uda type printed terahertz antenna on photonic crystal substrate 2010 ,		5
52	Improvement in Total Sensing Time of the Receiver in the Cognitive Radio 2010 ,		3
51	Double-Pole Four-Throw RF CMOS switch design with double-gate transistors 2010 ,		4
50	Full Subtractor Circuit Design with Independent Double Gate Transistor 2010 ,		1
49	Analysis of attenuation, isolation and switching speed of DP4T double gate RF CMOS switch design 2010 ,		1
48	2010 ,		1
47	Dual-band rectangular microstrip patch antenna at terahertz frequency for surveillance system. <i>Journal of Computational Electronics</i> , 2010 , 9, 31-41	1.8	35
46	Analysis and design of rectangular microstrip antenna on two-layer substrate materials at terahertz frequency. <i>Journal of Computational Electronics</i> , 2010 , 9, 68-78	1.8	33
45	Design considerations for rectangular microstrip patch antenna on electromagnetic crystal substrate at terahertz frequency. <i>Infrared Physics and Technology</i> , 2010 , 53, 17-22	2.7	45
44	Designing Parameters for RF CMOS Cells. <i>Circuits and Systems</i> , 2010 , 01, 49-53	0.6	3
43	Measurement of Oxide Thickness for MOS Devices, Using Simulation of SUPREM Simulator. <i>International Journal of Computer Applications</i> , 2010 , 1, 66-70	1.1	8
42	Application of VEE Pro Software for Measurement of MOS Device Parameters using C-V curve. <i>International Journal of Computer Applications</i> , 2010 , 1, 43-46	1.1	4

41	Rectangular Microstrip Patch Antenna Design at THz Frequency for Short Distance Wireless Communication Systems. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 30, 1-7	2.2	75
40	Theoretical Investigation of the Input Impedance of Gap-Coupled Circular Microstrip Patch Antennas. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 30, 1148-1160	2.2	10
39	A Novel Bit Error Rate Analysis and Improved ICI Reduction Method in OFDM Communication Systems. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 30, 1170-1180	2.2	6
38	A Programmable Phased Array with Time-Delay Units and its Applications. <i>International Journal of Wireless Information Networks</i> , 2009 , 16, 59-67	1.9	
37	Improved Performance Analysis of Square Patch Microstrip Antenna at Terahertz Frequency 2009 ,		12
36	Analysis of Dielectric Permittivity and Losses of Two-layer Substrate Materials for Microstrip Antenna at THz Frequency 2009 ,		3
35	Dual-frequency terahertz rectangular microstrip patch antenna on photonic crystal substrate 2009 ,		1
34	Double Pole Four Throw switch design with CMOS inverter 2009 ,		4
33	Microstrip patch antenna on photonic crystal substrate at terahertz frequency 2009 ,		7
32	Microstrip Antennas Loaded with Shorting Post. <i>Engineering</i> , 2009 , 01, 41-45	0.4	13
31	Improved BER analysis of OFDM communication system on correlated Nakagami-m fading channel 2008 ,		2
30	A Novel blind frequency offset estimation method for OFDM systems 2008 ,		1
29	Miniaturization of gap-coupled circular microstrip antennas 2008 ,		2
28	2-D photonic crystals as substrate for THz/millimeter wave microstrip patch antennas 2008 ,		5
27	Design considerations to improve the performance of a rectangular microstrip patch antenna at THz frequency 2008 ,		7
26	DESIGN OF SINGLE PIN SHORTED THREE-DIELECTRIC-LAYERED SUBSTRATES RECTANGULAR PATCH MICROSTRIP ANTENNA FOR COMMUNICATION SYSTEMS. <i>Progress in Electromagnetics Research Letters</i> , 2008 , 2, 157-165	0.5	33
25	ANALYTICAL STUDY OF THE INTERACTION STRUCTURE OF VANE-LOADED GYRO-TRAVELING WAVE TUBE AMPLIFIER. <i>Progress in Electromagnetics Research B</i> , 2008 , 4, 41-66	0.7	10
24	A Novel Wideband Subarray Technique for Shaped Pattern Generation and Adaptively Interference Rejection. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2008 , 29, 249-260		4

23	Fighting terrorism with terahertz. <i>IEEE Potentials</i> , 2007 , 26, 24-29	1	50
22	MODAL ANALYSIS OF AZIMUTHALLY PERIODIC VANE-LOADED CYLINDRICAL WAVEGUIDE INTERACTION STRUCTURE FOR GYRO-TWT. <i>Progress in Electromagnetics Research</i> , 2007 , 70, 175-189	3.8	6
21	MEASUREMENT OF DIELECTRIC CONSTANT AND LOSS FACTOR OF THE DIELECTRIC MATERIAL AT MICROWAVE FREQUENCIES. <i>Progress in Electromagnetics Research</i> , 2007 , 69, 47-54	3.8	59
20	GAIN AND BANDWIDTH ANALYSIS OF A VANE-LOADED GYRO-TWT. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 27, 333-342		1
19	CONCEPTUAL DESIGN STUDIES OF AN 84 GHz, 500 kW, CW GYROTRON. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 27, 657-670		3
18	A DELAY-LINE CANCELLATION METHOD FOR CLUTTER ATTENUATION AND ELIMINATION OF BLIND SPEED. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007 , 27, 1529-1538		2
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1	Simulation Frameworks and Potential Research Challenges for Internet-of-Vehicles Networks281-310		