

Viranjay M Srivastava, Pr Eng

List of Publications by Year in descending order

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218
papers

1,170
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220
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times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Performance Analysis of Low Sub-threshold Swing p-Channel Cylindrical Thin-film Transistors. <i>Micro and Nanosystems</i> , 2023, 15, 65-74.	0.6	0
2	Realization with fabrication of double-gate MOSFET based boost regulator. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	1
3	Mathematical modeling of electron density arrangement in CSDG MOSFET: a nano-material approach. <i>Journal of Materials Science</i> , 2022, 57, 8381-8392.	3.7	7
4	Design and performance analysis of SiO ₂ -MOSFET based absorber for reflected RF signal. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
5	Realization with Fabrication of Dual-Gate MOSFET Based Source Follower. <i>Silicon</i> , 2022, 14, 11979-11989.	3.3	6
6	Effect of Metal Gate Work Function Variation on Underlap FinFET. , 2022, , .		1
7	Regression Analysis of Static Noise Margin and Transconductance for Underlap Lengths of FinFET. , 2022, , .		0
8	Performance Analysis of Learning Rate Parameter on Prediction of Signal Power Loss for Network Optimization and Better Generalization. <i>Wireless Personal Communications</i> , 2021, 118, 1111-1128.	2.7	7
9	Realization with Fabrication of Double-Gate MOSFET Based Buck Regulator. <i>International Journal of Electrical and Electronic Engineering and Telecommunications</i> , 2021, , 66-75.	3.6	7
10	Compact Noise Modeling Approach in Nano-scaled CSDG MOSFET for RF Switch. <i>Journal of Physics: Conference Series</i> , 2021, 1714, 012024.	0.4	1
11	Effect of Architectural Composition of MLP ANN in Neural Network Learning for Signal Power Loss Prediction. <i>Journal of Communications</i> , 2021, , 20-29.	1.6	3
12	Third Order Band Pass Filter With Double-Gate MOSFET: A Circuit Perspective. , 2021, , .		0
13	Capacitive Modeling of Cylindrical Surrounding Double-Gate MOSFETs for Hybrid RF Applications. <i>IEEE Access</i> , 2021, 9, 89234-89242.	4.2	16
14	Assessment of Quantum Scaling Length Model for Cylindrical Surrounding Double-Gate (CSDG) MOSFET. <i>Micro and Nanosystems</i> , 2021, 13, 467-472.	0.6	4
15	CdS Quantum Dots Based Nano Light Emitting Device. , 2021, , .		0
16	Third Order Band Pass Filter With Double-Gate MOSFET: A Simulation Perspective. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1126, 012019.	0.6	0
17	Influence of Dielectrics and Channel Defects on the Electrical Performance of Oxide-based p-Channel TFTs for CMOS Applications. , 2021, , .		4
18	Prediction of Signal Power Loss (at Micro-Cell Environments) Using Generalized Adaptive Regression and Radial Basis Function ANN Models Built on Filter for Error Correction. <i>International Journal on Communications Antenna and Propagation</i> , 2021, 11, 94.	0.3	1

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19	An Efficient Model for Low Voltage Distribution Smart Feeder Overcurrent Protection System Using Microcontroller. IOP Conference Series: Materials Science and Engineering, 2021, 1152, 012015.	0.6	0
20	Improvement of CuO Thin Film Properties for High Mobility p-Channel TFT Applications. , 2021, , .		3
21	Study of SiGe-Si Source Stacked in Silicon Nano-Tube Tunnel FET. , 2021, , .		3
22	Analysis of Nanometer-Scale n-Type Double-Gate (DG) MOSFETs Using High- ϵ^{TM} Dielectrics for High-Speed Applications. , 2021, , .		9
23	Thickness Modeling of Short-Channel Cylindrical Surrounding Double- Gate MOSFET at Strong Inversion Using Depletion Depth Analysis. Micro and Nanosystems, 2021, 13, 319-325.	0.6	3
24	Improved Electromagnetic Signal Power Loss Prediction Using Fused Adaptive Linear Based Smoothing Technique. Wireless Personal Communications, 2021, 121, 2371-2392.	2.7	0
25	Sensitivity of Lightly and Heavily Doped Cylindrical Surrounding Double-Gate (CSDG) MOSFET to Process Variation. IEEE Access, 2021, 9, 142541-142550.	4.2	3
26	Arbitrary Alloy Semiconductor Material Based DG MOSFET for High-Frequency Industrial and Hybrid Consumer Applications. , 2021, , .		4
27	InP/AlGaAs Based CSDG MOSFET With Au/Pt Gate Materials for High Frequency/Hybrid Applications. , 2021, , .		1
28	Designing of Novel Eighth-Mode Forth-Order Substrate Integrated Waveguide Band-Pass Filter with High Selectivity. Journal of Communications, 2021, , 553-558.	1.6	2
29	Parametric Analysis of CSDG MOSFET With $\text{La}_{2/3}\text{O}_3$ Gate Oxide: Based on Electrical Field Estimation. IEEE Access, 2021, 9, 159421-159431.	4.2	7
30	Design and Analysis of InP/InAs/AlGaAs Based Cylindrical Surrounding Double-Gate (CSDG) MOSFETs With $\text{La}_{2/3}\text{O}_3$ for 5-nm Technology. IEEE Access, 2021, 9, 159566-159576.	4.2	10
31	Performance Optimization of p-Channel SnO Cylindrical Thin Film Transistors (CTFT) Using 3D Modelling. , 2021, , .		1
32	Modeling and Electrical Performance Optimization of p-type SnO-based Cylindrical Thin-film Transistors. , 2021, , .		1
33	Effect of Drain Splitting on Silicon Nano-Tube Tunnel Field Effect Transistor. , 2021, , .		0
34	3D Numerical Simulation and Electrical Performance Analysis of p-channel Cylindrical TFTs for New Man-machine Interface Applications. , 2021, , .		1
35	Miniaturized Substrate Integrated Waveguide Dual-band Filter with High Common-mode Signal Suppression. , 2021, , .		0
36	Bandwidth and Return Loss Improvement Technique Using Double-Material Substrate Cylindrical Surrounding Patch Antenna:Part-I. SSRG International Journal of Engineering Trends and Technology, 2021, 69, 252-256.	0.5	0

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37	Channel Length Scaling Pattern for Cylindrical Surrounding Double-Gate (CSDG) MOSFET. IEEE Access, 2020, 8, 121204-121210.	4.2	22
38	Prediction and avoidance of real-time traffic congestion system for Indian metropolitan cities. International Journal of Vehicle Information and Communication Systems, 2020, 5, 109.	0.1	0
39	Designing of Buck Regulator with Double-Gate MOSFET: A Circuit Perspective. , 2020, , .		1
40	A Novel Feeder Protection System Using Fast Switching PhotoMOS Relay. , 2020, , .		1
41	Synthesis and Characterization of Fe Doped CdS Quantum Dot. , 2020, , .		2
42	Design of Double-Gate Tri-Active Layer Channel Based IGZO Thin-Film Transistor for Improved Performance of Ultra-Low-Power RFID Rectifier. IEEE Access, 2020, 8, 194652-194662.	4.2	12
43	Third Order High Pass Filter with Double-Gate MOSFET: A Circuit Perspective. , 2020, , .		0
44	Moisture content investigation in the soil samples using microwave dielectric constant measurement method. International Journal of Electrical and Computer Engineering, 2020, 10, 704.	0.7	3
45	Realization with Fabrication of Double-Gate MOSFET Based Third Order High Pass Filter. International Journal of Electrical and Electronic Engineering and Telecommunications, 2020, , 213-222.	3.6	11
46	An Improved Handover Algorithm for LTE-A Femtocell Network. Journal of Communications, 2020, , 558-565.	1.6	2
47	Modeling Environmental Effects on Electromagnetic Signal Propagation Using Multi-Layer Perceptron Artificial Neural Network. International Journal on Communications Antenna and Propagation, 2020, 10, 175.	0.3	0
48	Simulation Analysis of MOSFET Based Absorber for Reflected RF Signal in 5G Massive MIMO Base Station. International Journal of Emerging Trends in Engineering Research, 2020, 8, 6488-6495.	0.2	2
49	An Adaptive Vector Median Filtering Approach to Enhance the Prediction Efficiency of Signal Power Loss. Journal of Communications, 2020, , 866-875.	1.6	1
50	Realization with Fabrication of Double-Gate MOSFET Based Class-AB Amplifier. International Journal of Electrical and Electronic Engineering and Telecommunications, 2020, , 399-408.	3.6	5
51	Analytical Modeling of Radio Network Performance for 5G (Non-Standalone) and 4G-LTE Network Connectivity. Journal of Communications, 2020, , 886-895.	1.6	11
52	MOSFET Based Absorber for Reflected Signal in 5G Massive MIMO Base Station - A Circuit Perspective. Journal of Communications, 2020, , 833-840.	1.6	5
53	Realization with Fabrication of Parallel-Gate MOSFET Based Differential Amplifier. International Journal of Emerging Trends in Engineering Research, 2020, 8, 6599-6608.	0.2	2
54	Comparative analysis of feeding techniques for cylindrical surrounding patch antenna. International Journal of Electrical and Computer Engineering, 2020, 10, 5377.	0.7	2

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55	Current challenges and opportunities in computation and simulation to align 4IR paradigm shift. Indonesian Journal of Electrical Engineering and Informatics, 2020, 8, .	0.3	0
56	Realization with fabrication of double-gate MOSFET based differential amplifier. Microelectronics Journal, 2019, 91, 70-83.	2.0	22
57	Analytical Performance of the Threshold Voltage and Subthreshold Swing of CSDG MOSFET. Journal of Low Power Electronics and Applications, 2019, 9, 10.	2.0	15
58	Coded BPSK OFDM-FSO over Strong Turbulence Channel. , 2019, , .		3
59	Performance Analysis of 10 nm FinFET with Scaled Fin-Dimension and Oxide Thickness. , 2019, , .		7
60	Design and analysis of IGZO thin film transistor for AMOLED pixel circuit using double-gate tri active layer channel. Heliyon, 2019, 5, e01452.	3.2	27
61	Design and analysis of novel tri-€active layer channel amorphous-IGZO thin-€film transistor. Micro and Nano Letters, 2019, 14, 1293-1297.	1.3	3
62	Analysis of Electrical field in Uniformly doped Cylindrical Surrounding Double-Gate MOSFET. , 2019, , .		1
63	Design and Analysis of Improved Performance Amorphous-silicon Thin Film Solar Panel. , 2019, , .		0
64	Capacitive Model of CSDG MOSFET at Pinch-off for Switching Characteristics. , 2019, , .		4
65	Double-gate Tri-active Layer Channel Amorphous-IGZO Thin Film Transistor for AMLCD Pixel Circuit. , 2019, , .		3
66	Performance Analysis of High- ϵ Dielectric Based Double-gate Carbon Nanotube MOSFET. , 2019, , .		0
67	Model of Cylindrical Surrounding Double-Gate (CSDG) MOSFET Based Mixer. , 2019, , .		2
68	CSDG MOSFET Based Linear Voltage Regulator: A Mixed Signal Device Perspective. , 2019, , .		1
69	Environment-Adaptation Based Hybrid Neural Network Predictor for Signal Propagation Loss Prediction in Cluttered and Open Urban Microcells. Wireless Personal Communications, 2019, 104, 935-948.	2.7	17
70	Design Implementation of Concentric Loops with Stubs Metamaterial Absorber. Wireless Personal Communications, 2019, 104, 129-148.	2.7	2
71	Performance of OFDM-FSO Communication System with Different Modulation Schemes over Gamma-Gamma Turbulence Channel. Journal of Communications, 2019, , 490-497.	1.6	4
72	Performance Analysis of High-k Dielectric Based Silicon Nanowire Gate-All-Around Tunneling FET. International Journal of Electrical and Electronic Engineering and Telecommunications, 2019, , 340-345.	3.6	9

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73	Comparative View of Return Loss, VSWR, Gain, and Efficiency of Cylindrical Surrounding Patch Antenna with Frequency Shift. International Journal of Electrical and Electronic Engineering and Telecommunications, 2019, , 352-357.	3.6	2
74	Channel Borrowing Admission Control Scheme in LTE/LTE-A Femtocell-Macrocell Networks. Journal of Communications, 2019, , 900-907.	1.6	3
75	Radiation Pattern of Novel Cylindrical Surrounding Patch Antenna for 2.4 GHz Applications. International Journal of Electrical and Electronic Engineering and Telecommunications, 2019, , 213-220.	3.6	2
76	Error Performance of Coded BPSK OFDM-FSO System under Atmospheric Turbulence. Journal of Communications, 2019, , 936-944.	1.6	4
77	Free Space Optical System with Spatial Modulation and Diversity Combiners Over Atmospheric Turbulent Channel. Journal of Communications, 2019, , 70-81.	1.6	1
78	Effect of Learning Rate on GRNN and MLP for the Prediction of Signal Power Loss in Microcell Sub-Urban Environment. International Journal on Communications Antenna and Propagation, 2019, 9, 36.	0.3	2
79	Investigation and Comparison of Generalization Ability of Multi-Layer Perceptron and Radial Basis Function Artificial Neural Networks for Signal Power Loss Prediction. International Journal on Communications Antenna and Propagation, 2019, 9, 46.	0.3	4
80	Loss Reduction Concept Review and Its Comparison for Various Transmission Lines. International Review of Electrical Engineering, 2019, 14, 263.	0.2	0
81	Real-Time Signal Coverage and Quality Monitoring Towards Performance Optimisation in Contemporary Mobile Broadband Cellular Networks. Research Journal of Applied Sciences, 2019, 13, 235-240.	0.1	1
82	An analysis of RCS for dual-band slotted patch antenna with a thin dielectric using shorted stubs metamaterial absorber. AEU - International Journal of Electronics and Communications, 2018, 90, 53-62.	2.9	20
83	Dual resonance shorted stub circular rings metamaterial absorber. AEU - International Journal of Electronics and Communications, 2018, 83, 58-66.	2.9	32
84	IMPROVED ADAPTIVE SIGNAL POWER LOSS PREDICTION USING COMBINED VECTOR STATISTICS BASED SMOOTHING AND NEURAL NETWORK APPROACH. Progress in Electromagnetics Research C, 2018, 82, 155-169.	0.9	12
85	Multiple Regression Based Cloud Adoption Factors for Online Firms. , 2018, , .		4
86	Performance Estimation of Amorphous-IGZO Based Thin Film Transistor. , 2018, , .		2
87	Performance Comparison of Amorphous-IGZO and Hydrogenated Silicon Based Thin Film Transistor. , 2018, , .		3
88	Effect of Gate-lap and Oxide Material at 10-nm FinFET Device Performance. , 2018, , .		0
89	CSFB-Cell Selection Reselection and Handover Between LTE and 3G Network. , 2018, , .		5
90	An Analysis of Key Challenges for Adopting the Cloud Computing in Indian Education Sector. Communications in Computer and Information Science, 2018, , 439-448.	0.5	2

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91	Machine Learning Based Adaptive Framework for Logistic Planning in Industry 4.0. Communications in Computer and Information Science, 2018, , 431-438.	0.5	4
92	Cloud Computing Adoption Challenges in the Banking Industry. , 2018, , .		3
93	Application of CSDG MOSFET Based Active High Pass Filter in Satellite Communications: A Circuit Perspective. , 2018, , .		4
94	Dielectric Material (HfO2) Effect on Surface Potential for CSDG MOSFET. , 2018, , .		7
95	Concept of Double-Pole Four-Throw Switch with n-MOSFETs. , 2018, , .		0
96	Effect of radius on various parameters of cylindrical surrounding double-gate (CSDG) MOSFET. International Journal of Engineering and Technology(UAE), 2018, 7, 2127.	0.3	2
97	Application of High Pass Filter in Robotics: A Circuit Perspective. , 2018, , .		2
98	Group Handover Strategy for Mobile Relays in LTE-A Networks. Journal of Communications, 2018, , 505-511.	1.6	1
99	Advanced MOSFET Technologies for Next Generation Communication Systems - Perspective and Challenges: A Review. Journal of Engineering Science and Technology Review, 2018, 11, 180-195.	0.4	13
100	Features and Futures of Smart Antennas for Wireless Communications: A Technical Review. Journal of Engineering Science and Technology Review, 2018, 11, 8-24.	0.4	12
101	Analysis and Synthetic Model of Adaptive Beamforming for Smart Antenna Systems in Wireless Communication. Journal of Communications, 2018, , 436-442.	1.6	11
102	Miniaturization and Gain Enhancement of Microstrip Patch Antenna Using Defected Ground with EBG. Journal of Communications, 2018, , 730-736.	1.6	10
103	RCS Reduction of Patch Array Using Shorted Stubs Metamaterial Absorber. Journal of Communications, 2018, , 702-711.	1.6	2
104	MODELING OF CYLINDRICAL SURROUNDING DOUBLE-GATE MOSFET WITH TUNNELING MECHANISM. Far East Journal of Electronics and Communications, 2018, 18, 269-275.	0.2	0
105	APPLICATION OF CSDG MOSFET FOR TERA-HERTZ RANGE IN HIGH PASS FILTERING. Far East Journal of Electronics and Communications, 2018, 18, 651-660.	0.2	1
106	Improving Cell Tower Geo-Location Using Quantum Clock Timing. International Journal on Communications Antenna and Propagation, 2018, 8, 340.	0.3	0
107	Comparative Analysis of Microstrip Transmission Lines for Various Dielectric Constants and MLINs. International Journal on Communications Antenna and Propagation, 2018, 8, 510.	0.3	0
108	On increasing the energy efficiency of cognitive radio network base stations. , 2017, , .		4

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109	Coverage and Link Quality Trends in Suburban Mobile Broadband HSPA Network Environments. <i>Wireless Personal Communications</i> , 2017, 95, 3955-3968.	2.7	13
110	Optical Spatial Modulation with Diversity Combiner in Dual-Hops Amplify-and-Forward Relay Systems Over Atmospheric Impairments. <i>Wireless Personal Communications</i> , 2017, 97, 2359-2382.	2.7	9
111	Downlink Massive MIMO Systems: Achievable Sum Rates and Energy Efficiency Perspective for Future 5G Systems. <i>Wireless Personal Communications</i> , 2017, 96, 2779-2796.	2.7	15
112	Bridge rectifier with Cylindrical Surrounding Double-Gate MOSFET: A model for better efficiency. , 2017, , .		5
113	Frequency of rare <i>t(9;22)(q34;q11)</i> fusion transcripts in chronic myeloid leukemia patients. <i>International Journal of Laboratory Hematology</i> , 2017, 39, 235-242.	1.3	30
114	A channel borrowing CAC scheme in two-tier LTE/LTE-Advance networks. , 2017, , .		6
115	Optical spatial modulation over Gamma-Gamma turbulence and pointing error induced fading channels. <i>Optik</i> , 2017, 147, 214-223.	2.9	19
116	An Enhanced Handover Algorithm in LTE-Advanced Network. <i>Wireless Personal Communications</i> , 2017, 97, 2925-2938.	2.7	9
117	Performance analysis of decode-and-forward dual-hop optical spatial modulation with diversity combiner over atmospheric turbulence. <i>Optics Communications</i> , 2017, 402, 242-251.	2.1	8
118	Performance analysis of free space optical system with spatial modulation and diversity combiners over the Gamma-Gamma atmospheric turbulence. <i>Optics Communications</i> , 2017, 382, 205-211.	2.1	17
119	Effect of GSM Frequency Band on Received Signal Strength and Distance Estimation from Cell Tower. , 2017, , .		1
120	Cellular mobile phone "A technical assessment on electromagnetic radiation intensity on human safety. , 2017, , .		6
121	Performance analysis of Block Error Rate for SIM-FSO system with spatial diversity over Gamma-Gamma fading and pointing error channel. , 2017, , .		6
122	Signal power loss prediction based on artificial neural networks in microcell environment. , 2017, , .		3
123	Key challenges in implementing cloud computing in Indian healthcare industry. , 2017, , .		17
124	Hybrid power systems for GSM and 4G base stations in South Africa. , 2017, , .		4
125	Scaling effect of cylindrical surrounding double-gate MOSFET: A device beyond 22 nm technology. , 2017, , .		5
126	Technical program committee chair(s) Prof. Dr. Ramesh Bansal & Prof. Dr. Viranjay M. Srivastava. , 2017, , .		0

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127	Extended firm mutation testing: A cost reduction technique for mutation testing. , 2017, , .		2
128	3-D cylindrical shaped frequency selective surface. , 2017, , .		4
129	Cylindrical surrounding double-gate MOSFET based amplifier: A circuit perspective. , 2017, , .		6
130	Polarization Insensitive 3D Cylindrical Shaped Frequency Selective Surface. , 2017, , .		3
131	Triple band regular decagon shaped metamaterial absorber for X-band applications. , 2017, , .		13
132	A comparison between mathematical tools for analyzing FSO systems over Gamma-Gamma atmospheric channel. , 2017, , .		9
133	Automatic test data generation based on multi-objective ant lion optimization algorithm. , 2017, , .		5
134	ENERGY-EFFICIENT COMMUNICATION IN LARGE SCALE ANTENNA SYSTEMS: IMPACT OF VARIABLE USER CAPACITY AND NUMBER OF TRANSMISSION ANTENNAS. Progress in Electromagnetics Research M, 2017, 58, 205-213.	0.9	0
135	Smart Antenna for Wireless Communication Systems using Spatial Signal Processing. Journal of Communications, 2017, , 328-339.	1.6	8
136	Channel Assembling Strategy in Cognitive Radio Networks: a Queuing Based Approach. International Journal on Communications Antenna and Propagation, 2017, 7, 31.	0.3	6
137	Smart Antenna for Wireless Communication Systems using Spatial Signal Processing. Journal of Communications, 2017, , .	1.6	4
138	User-Centric Methodology for Objective Assessment of Service Quality in Established Wireless Mobile Communication Networks. International Journal on Communications Antenna and Propagation, 2017, 7, 26.	0.3	2
139	Radio Channel Propagation Characterization and Link Reliability Estimation in Shadowed Suburban Macrocells. International Journal on Communications Antenna and Propagation, 2017, 7, 57.	0.3	1
140	Scaling Effect on Parameters of HfO ₂ Based CSDG MOSFET. International Journal of Engineering and Technology, 2017, 9, 420-426.	0.1	10
141	Analysis and Effects of Voids in Cylindrical Surrounding Double- Gate MOSFET for the RF Switches. Nanoscience and Nanotechnology - Asia, 2017, 7, .	0.7	0
142	Determination of Directivity and Gain with Improved Performance of Smart Antenna. International Journal on Communications Antenna and Propagation, 2017, 7, 298.	0.3	0
143	Handover Algorithm Based on User's Speed and Femtocell Capacity in LTE/LTE-A Networks. International Journal on Communications Antenna and Propagation, 2017, 7, 417.	0.3	1
144	Electromagnetic Field Radiation Exposure Assessment from Mobile Phones Based on Call-Related Factors. International Review on Modelling and Simulations, 2017, 10, 355.	0.3	0

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145	AN EMPIRICAL ANALYSIS OF A SIX RADIO CHANNEL PSEUDO GENERATOR FOR BETTER NOISE REDUCTION IN RANGING SYSTEMS. Far East Journal of Electronics and Communications, 2017, 17, 1299-1307.	0.2	0
146	Hybrid neural network approach for predicting signal propagation loss in urban microcells. , 2016, , .		19
147	An effective CAC scheme in two-tier LTE-A macrocell/femtocell networks. , 2016, , .		2
148	CDMA in signal encryption and information security. , 2016, , .		1
149	Main trade-offs for energy efficiency in cognitive radio networks. , 2016, , .		4
150	Analysis of smart antenna with improved signal quality and spatial processing. , 2016, , .		8
151	Designing of Smart Antenna for improved directivity and gain at terahertz frequency range. , 2016, , .		3
152	Performance analysis of smart antenna bandwidth at terahertz frequency range. , 2016, , .		0
153	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
154	Cognitive Radio Networks: A Social Network Perspective. Advances in Intelligent Systems and Computing, 2016, , 441-450.	0.6	1
155	Design of Smart Antenna by Circular Pin-Fed Linearly Polarized Patch Antenna. International Journal of Wireless and Microwave Technologies, 2016, 6, 40-49.	1.0	3
156	Using Massive MIMO and Small Cells to Deliver a Better Energy-Efficient Cognitive Radio Network. International Journal on Communications Antenna and Propagation, 2016, 6, 274.	0.3	0
157	Designing of Linear Regulator and Switching Regulator with Double-Gate MOSFET. , 2015, , .		4
158	Design optimization of high-k dielectric based double-gate MOSFET and it's performance. , 2015, , .		0
159	Design of smart antenna using waveguide-fed pyramidal horn antenna for wireless communication systems. , 2015, , .		5
160	Performance of DS-CDMA and MC-CDMA systems in Gaussian and Rayleigh fading channels. , 2015, , .		5
161	A review of bit-error-rate performance of interleaves in IDMA systems. , 2015, , .		1
162	Secondary user energy consumption in cognitive radio networks. , 2015, , .		4

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163	Small signal model of Cylindrical Surrounding Double-Gate MOSFET and its parameters. , 2015, , .		3
164	Experimental comparison of precoding schemes for CR-MIMO systems for interference avoidance. , 2015, , .		0
165	Design of smart antenna using planar phased-array antenna for wireless communication systems. , 2015, , .		4
166	Circuit perspective of Terahertz Double-Gate MOSFET for switch. , 2015, , .		0
167	Signal Processing for Wireless Communication MIMO System with Nano- Scaled CSDG MOSFET based DP4T RF Switch. Recent Patents on Nanotechnology, 2015, 9, 26-32.	1.3	8
168	Modeling of RF security system using smart antennas. , 2015, , .		7
169	Performance of a STBC-CDMA system in a fading channel. , 2015, , .		3
170	Numerical analysis of the impact of shadow fading in power control and contention control interference management schemes in cognitive radio. , 2015, , .		2
171	Analysis of impact of hidden primary receiver on interference modeling in power, contention and hybrid control schemes. , 2015, , .		1
172	Power and Contention Control Scheme: As a Good Candidate for Interference Modeling in Cognitive Radio Network. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	0
173	Spectrum Sensing Methodologies for Cognitive Radio Systems: A Review. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	2
174	Design of Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 45-83.	0.3	1
175	MOSFET Technologies for Double-Pole Four-Throw Radio-Frequency Switch. Analog Circuits and Signal Processing Series, 2014, , .	0.3	30
176	Design of Double-Pole Four-Throw RF Switch. Analog Circuits and Signal Processing Series, 2014, , 23-43.	0.3	2
177	Conclusions and Future Scope. Analog Circuits and Signal Processing Series, 2014, , 177-182.	0.3	0
178	Testing of MOSFETs Surfaces Using Image Acquisition. Analog Circuits and Signal Processing Series, 2014, , 165-175.	0.3	0
179	Cylindrical Surrounding Double-Gate RF MOSFET. Analog Circuits and Signal Processing Series, 2014, , 111-142.	0.3	1
180	Double-Pole Four-Throw RF Switch Based on Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 85-109.	0.3	2

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181	Hafnium Dioxide-Based Double-Pole Four-Throw Double-Gate RF CMOS Switch. Analog Circuits and Signal Processing Series, 2014, , 143-163.	0.3	0
182	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
183	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
184	Drain Current and Noise Model of Cylindrical Surrounding Double-Gate MOSFET for RF Switch. Procedia Engineering, 2012, 38, 517-521.	1.2	17
185	Advancement of MOSFET with the application of hafnium. , 2012, , .		0
186	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
187	Analysis and Design of Tri-Gate MOSFET with High Dielectrics Gate. International Journal of Intelligent Systems and Applications, 2012, 4, 16-22.	1.1	4
188	Low Noise Amplifier for 2.45 GHz Frequency Band at 0.18 μ m CMOS Technology for IEEE Standard 802.11 b/g WLAN. International Journal of Intelligent Systems and Applications, 2012, 4, 68-74.	1.1	1
189	Implementation of digital neuron cell using 8-bit activation function. , 2011, , .		0
190	An approach for the design of Cylindrical Surrounding Double-Gate MOSFET. , 2011, , .		1
191	Effect of Gate Finger on Double-Gate MOSFET for RF Switch at 45-nm Technology. , 2011, , .		0
192	A 2.0 to 3.0 GHz CMOS low noise amplifier and its applications. , 2011, , .		3
193	Design and performance analysis of cylindrical surrounding double-gate MOSFET for RF switch. Microelectronics Journal, 2011, 42, 1124-1135.	2.0	71
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