

Viranjay M Srivastava, Pr Eng

List of Publications by Year in descending order

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218
papers

1,170
citations

567281

15
h-index

642732

23
g-index

220
all docs

220
docs citations

220
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and performance analysis of cylindrical surrounding double-gate MOSFET for RF switch. <i>Microelectronics Journal</i> , 2011, 42, 1124-1135.	2.0	71
2	Design and performance analysis of double-gate MOSFET over single-gate MOSFET for RF switch. <i>Microelectronics Journal</i> , 2011, 42, 527-534.	2.0	62
3	Dual resonance shorted stub circular rings metamaterial absorber. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 83, 58-66.	2.9	32
4	Frequency of rare <i>t(9;22)(p11;q22)</i> fusion transcripts in chronic myeloid leukemia patients. <i>International Journal of Laboratory Hematology</i> , 2017, 39, 235-242.	1.3	30
5	MOSFET Technologies for Double-Pole Four-Throw Radio-Frequency Switch. <i>Analog Circuits and Signal Processing Series</i> , 2014, , .	0.3	30
6	Design and analysis of IGZO thin film transistor for AMOLED pixel circuit using double-gate tri active layer channel. <i>Heliyon</i> , 2019, 5, e01452.	3.2	27
7	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.	2.5	26
8	Realization with fabrication of double-gate MOSFET based differential amplifier. <i>Microelectronics Journal</i> , 2019, 91, 70-83.	2.0	22
9	Channel Length Scaling Pattern for Cylindrical Surrounding Double-Gate (CSDG) MOSFET. <i>IEEE Access</i> , 2020, 8, 121204-121210.	4.2	22
10	An analysis of RCS for dual-band slotted patch antenna with a thin dielectric using shorted stubs metamaterial absorber. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 90, 53-62.	2.9	20
11	Hybrid neural network approach for predicting signal propagation loss in urban microcells. , 2016, , .		19
12	Optical spatial modulation over Gamma-Gamma turbulence and pointing error induced fading channels. <i>Optik</i> , 2017, 147, 214-223.	2.9	19
13	Drain Current and Noise Model of Cylindrical Surrounding Double-Gate MOSFET for RF Switch. <i>Procedia Engineering</i> , 2012, 38, 517-521.	1.2	17
14	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
15	Key challenges in implementing cloud computing in Indian healthcare industry. , 2017, , .		17
16	Environment-Adaptation Based Hybrid Neural Network Predictor for Signal Propagation Loss Prediction in Cluttered and Open Urban Microcells. <i>Wireless Personal Communications</i> , 2019, 104, 935-948.	2.7	17
17	Performance of Double-Pole Four-Throw Double-Gate RF CMOS Switch in 45-nm Technology. <i>Wireless Engineering and Technology</i> , 2010, 01, 47-54.	0.9	17
18	Performance analysis of undoped and Gaussian doped cylindrical surrounding-gate MOSFET with it's small signal modeling. <i>Microelectronics Journal</i> , 2016, 57, 66-75.	2.0	16

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19	Capacitive Modeling of Cylindrical Surrounding Double-Gate MOSFETs for Hybrid RF Applications. IEEE Access, 2021, 9, 89234-89242.	4.2	16
20	Downlink Massive MIMO Systems: Achievable Sum Rates and Energy Efficiency Perspective for Future 5G Systems. Wireless Personal Communications, 2017, 96, 2779-2796.	2.7	15
21	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
22	Measurement of Oxide Thickness for MOS Devices, Using Simulation of SUPREM Simulator. International Journal of Computer Applications, 2010, 1, 66-70.	0.2	14
23	Coverage and Link Quality Trends in Suburban Mobile Broadband HSPA Network Environments. Wireless Personal Communications, 2017, 95, 3955-3968.	2.7	13
24	Triple band regular decagon shaped metamaterial absorber for X-band applications. , 2017, , .		13
25	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
26	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
27	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
28	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
29	Double Pole Four Throw switch design with CMOS inverter. , 2009, , .		11
30	Double-Pole Four-Throw RF CMOS switch design with double-gate transistors. , 2010, , .		11
31	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
32	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
33	Analysis and Synthetic Model of Adaptive Beamforming for Smart Antenna Systems in Wireless Communication. Journal of Communications, 2018, , 436-442.	1.6	11
34	Analytical Modeling of Radio Network Performance for 5G (Non-Standalone) and It's Network Connectivity. Journal of Communications, 2020, , 886-895.	1.6	11
35	Scaling Effect on Parameters of HfO ₂ Based CSDG MOSFET. International Journal of Engineering and Technology, 2017, 9, 420-426.	0.1	10
36	Miniaturization and Gain Enhancement of Microstrip Patch Antenna Using Defected Ground with EBG. Journal of Communications, 2018, , 730-736.	1.6	10

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37	Design and Analysis of InP/InAs/AlGaAs Based Cylindrical Surrounding Double-Gate (CSDG) MOSFETs With La ₂ O ₃ for 5-nm Technology. IEEE Access, 2021, 9, 159566-159576.	4.2	10
38	Optical Spatial Modulation with Diversity Combiner in Dual-Hops Amplify-and-Forward Relay Systems Over Atmospheric Impairments. Wireless Personal Communications, 2017, 97, 2359-2382.	2.7	9
39	An Enhanced Handover Algorithm in LTE-Advanced Network. Wireless Personal Communications, 2017, 97, 2925-2938.	2.7	9
40	A comparison between mathematical tools for analyzing FSO systems over Gamma-Gamma atmospheric channel. , 2017, , .		9
41	Analysis of Nanometer-Scale n-Type Double-Gate (DG) MOSFETs Using High- ϵ^{TM} Dielectrics for High-Speed Applications. , 2021, , .		9
42	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
43	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
44	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
45	Analysis of smart antenna with improved signal quality and spatial processing. , 2016, , .		8
46	Performance analysis of decode-and-forward dual-hop optical spatial modulation with diversity combiner over atmospheric turbulence. Optics Communications, 2017, 402, 242-251.	2.1	8
47	Smart Antenna for Wireless Communication Systems using Spatial Signal Processing. Journal of Communications, 2017, , 328-339.	1.6	8
48	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
49	Modeling of RF security system using smart antennas. , 2015, , .		7
50	Dielectric Material (HfO ₂) Effect on Surface Potential for CSDG MOSFET. , 2018, , .		7
51	Performance Analysis of 10 nm FinFET with Scaled Fin-Dimension and Oxide Thickness. , 2019, , .		7
52	Performance Analysis of Learning Rate Parameter on Prediction of Signal Power Loss for Network Optimization and Better Generalization. Wireless Personal Communications, 2021, 118, 1111-1128.	2.7	7
53	Realization with Fabrication of Double-Gate MOSFET Based Buck Regulator. International Journal of Electrical and Electronic Engineering and Telecommunications, 2021, , 66-75.	3.6	7
54	Designing Parameters for RF CMOS Cells. Circuits and Systems, 2010, 01, 49-53.	0.1	7

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55	Capacitive Model and S-Parameters of Double-Pole Four-Throw Double-Gate RF CMOS Switch. Wireless Engineering and Technology, 2011, 02, 15-22.	0.9	7
56	Parametric Analysis of CSDG MOSFET With $La_{2}O_{3}$ Gate Oxide: Based on Electrical Field Estimation. IEEE Access, 2021, 9, 159421-159431.	4.2	7
57	Mathematical modeling of electron density arrangement in CSDG MOSFET: a nano-material approach. Journal of Materials Science, 2022, 57, 8381-8392.	3.7	7
58	A channel borrowing CAC scheme in two-tier LTE/LTE-Advance networks. , 2017, , .		6
59	Cellular mobile phone "A technical assessment on electromagnetic radiation intensity on human safety. , 2017, , .		6
60	Performance analysis of Block Error Rate for SIM-FSO system with spatial diversity over Gamma-Gamma fading and pointing error channel. , 2017, , .		6
61	Cylindrical surrounding double-gate MOSFET based amplifier: A circuit perspective. , 2017, , .		6
62	Channel Assembling Strategy in Cognitive Radio Networks: a Queuing Based Approach. International Journal on Communications Antenna and Propagation, 2017, 7, 31.	0.3	6
63	Realization with Fabrication of Dual-Gate MOSFET Based Source Follower. Silicon, 2022, 14, 11979-11989.	3.3	6
64	Design of smart antenna using waveguide-fed pyramidal horn antenna for wireless communication systems. , 2015, , .		5
65	Performance of DS-CDMA and MC-CDMA systems in Gaussian and Rayleigh fading channels. , 2015, , .		5
66	Bridge rectifier with Cylindrical Surrounding Double-Gate MOSFET: A model for better efficiency. , 2017, , .		5
67	Scaling effect of cylindrical surrounding double-gate MOSFET: A device beyond 22 nm technology. , 2017, , .		5
68	Automatic test data generation based on multi-objective ant lion optimization algorithm. , 2017, , .		5
69	CSFB-Cell Selection Reselection and Handover Between LTE and 3G Network. , 2018, , .		5
70	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
71	MOSFET Based Absorber for Reflected Signal in 5G Massive MIMO Base Station - A Circuit Perspective. Journal of Communications, 2020, , 833-840.	1.6	5
72	Designing of Linear Regulator and Switching Regulator with Double-Gate MOSFET. , 2015, , .		4

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73	Secondary user energy consumption in cognitive radio networks. , 2015, , .		4
74	Design of smart antenna using planar phased-array antenna for wireless communication systems. , 2015, , .		4
75	Main trade-offs for energy efficiency in cognitive radio networks. , 2016, , .		4
76	On increasing the energy efficiency of cognitive radio network base stations. , 2017, , .		4
77	Hybrid power systems for GSM and 4G base stations in South Africa. , 2017, , .		4
78	3-D cylindrical shaped frequency selective surface. , 2017, , .		4
79	Multiple Regression Based Cloud Adoption Factors for Online Firms. , 2018, , .		4
80	Machine Learning Based Adaptive Framework for Logistic Planning in Industry 4.0. Communications in Computer and Information Science, 2018, , 431-438.	0.5	4
81	Application of CSDG MOSFET Based Active High Pass Filter in Satellite Communications: A Circuit Perspective. , 2018, , .		4
82	Capacitive Model of CSDG MOSFET at Pinch-off for Switching Characteristics. , 2019, , .		4
83	Assessment of Quantum Scaling Length Model for Cylindrical Surrounding Double-Gate (CSDG) MOSFET. Micro and Nanosystems, 2021, 13, 467-472.	0.6	4
84	Influence of Dielectrics and Channel Defects on the Electrical Performance of Oxide-based p-Channel TFTs for CMOS Applications. , 2021, , .		4
85	Performance of OFDM-FSO Communication System with Different Modulation Schemes over Gamma-Gamma Turbulence Channel. Journal of Communications, 2019, , 490-497.	1.6	4
86	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
87	Arbitrary Alloy Semiconductor Material Based DG MOSFET for High-Frequency Industrial and Hybrid Consumer Applications. , 2021, , .		4
88	Smart Antenna for Wireless Communication Systems using Spatial Signal Processing. Journal of Communications, 2017, , .	1.6	4
89	Error Performance of Coded BPSK OFDM-FSO System under Atmospheric Turbulence. Journal of Communications, 2019, , 936-944.	1.6	4
90	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

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91	A 2.0 to 3.0 GHz CMOS low noise amplifier and its applications. , 2011, , .		3
92	Possibilities of HfO ₂ for Double-Pole Four-Throw Double-Gate RF CMOS switch. , 2011, , .		3
93	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
94	Small signal model of Cylindrical Surrounding Double-Gate MOSFET and its parameters. , 2015, , .		3
95	Performance of a STBC-CDMA system in a fading channel. , 2015, , .		3
96	Designing of Smart Antenna for improved directivity and gain at terahertz frequency range. , 2016, , .		3
97	Signal power loss prediction based on artificial neural networks in microcell environment. , 2017, , .		3
98	Polarization Insensitive 3D Cylindrical Shaped Frequency Selective Surface. , 2017, , .		3
99	Performance Comparison of Amorphous-IGZO and Hydrogenated Silicon Based Thin Film Transistor. , 2018, , .		3
100	Cloud Computing Adoption Challenges in the Banking Industry. , 2018, , .		3
101	Coded BPSK OFDM-FSO over Strong Turbulence Channel. , 2019, , .		3
102	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
103	Double-gate Tri-active Layer Channel Amorphous-IGZO Thin Film Transistor for AMLCD Pixel Circuit. , 2019, , .		3
104	Effect of Architectural Composition of MLP ANN in Neural Network Learning for Signal Power Loss Prediction. Journal of Communications, 2021, , 20-29.	1.6	3
105	Improvement of CuO Thin Film Properties for High Mobility p-Channel TFT Applications. , 2021, , .		3
106	Study of SiGe-Si Source Stacked in Silicon Nano-Tube Tunnel FET. , 2021, , .		3
107	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
108	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

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109	Sensitivity of Lightly and Heavily Doped Cylindrical Surrounding Double-Gate (CSDG) MOSFET to Process Variation. IEEE Access, 2021, 9, 142541-142550.	4.2	3
110	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
111	Channel Borrowing Admission Control Scheme in LTE/LTE-A Femtocell-Macrocell Networks. Journal of Communications, 2019, , 900-907.	1.6	3
112	Dual gate material (Au and Pt) based double-gate MOSFET for high-speed devices. TechnologĀa En Marcha, 0, , .	0.1	3
113	Analysis of attenuation, isolation and switching speed of DP4T double gate RF CMOS switch design. , 2010, , .		2
114	Parasitic Capacitances in Double Gate MOSFET. , 2010, , .		2
115	Numerical analysis of the impact of shadow fading in power control and contention control interference management schemes in cognitive radio. , 2015, , .		2
116	An effective CAC scheme in two-tier LTE-A macrocell/femtocell networks. , 2016, , .		2
117	Extended firm mutation testing: A cost reduction technique for mutation testing. , 2017, , .		2
118	Performance Estimation of Amorphouss-IGZO Based Thin Film Transistor. , 2018, , .		2
119	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
120	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
121	Application of High Pass Filter in Robotics: A Circuit Perspective. , 2018, , .		2
122	Model of Cylindrical Surrounding Double-Gate (CSDG) MOSFET Based Mixer. , 2019, , .		2
123	Design Implementation of Concentric Loops with Stubs Metamaterial Absorber. Wireless Personal Communications, 2019, 104, 129-148.	2.7	2
124	Synthesis and Characterization of Fe Doped CdS Quantum Dot. , 2020, , .		2
125	Design of Double-Pole Four-Throw RF Switch. Analog Circuits and Signal Processing Series, 2014, , 23-43.	0.3	2
126	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

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127	Double-Pole Four-Throw RF Switch Based on Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 85-109.	0.3	2
128	Spectrum Sensing Methodologies for Cognitive Radio Systems: A Review. International Journal of Advanced Computer Science and Applications, 2015, 6, .	0.7	2
129	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
130	RCS Reduction of Patch Array Using Shorted Stubs Metamaterial Absorber. Journal of Communications, 2018, , 702-711.	1.6	2
131	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
132	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
133	An Improved Handover Algorithm for LTE-A Femtocell Network. Journal of Communications, 2020, , 558-565.	1.6	2
134	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
135	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
136	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
137	Comparative analysis of feeding techniques for cylindrical surrounding patch antenna. International Journal of Electrical and Computer Engineering, 2020, 10, 5377.	0.7	2
138	Comparative Parametric Analysis of Class-B Power Amplifier Using BJT, Single-Gate MOSFET, and Double-Gate MOSFET. Materials Science Forum, 0, 1053, 137-142.	0.3	2
139	Reduction in Parasitic Capacitances for Transmission Gate with the Help of CPL. , 2010, , .		1
140	Designing parameters for RF MOS cells. , 2010, , .		1
141	Full Subtractor Circuit Design with Independent Double Gate Transistor. , 2010, , .		1
142	Designing parameters for RF CMOS. , 2010, , .		1
143	An approach for the design of Cylindrical Surrounding Double-Gate MOSFET. , 2011, , .		1
144	Design of Double-Gate MOSFET. Analog Circuits and Signal Processing Series, 2014, , 45-83.	0.3	1

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145	A review of bit-error-rate performance of interleaves in IDMA systems. , 2015, , .		1
146	Analysis of impact of hidden primary receiver on interference modeling in power, contention and hybrid control schemes. , 2015, , .		1
147	CDMA in signal encryption and information security. , 2016, , .		1
148	Cognitive Radio Networks: A Social Network Perspective. Advances in Intelligent Systems and Computing, 2016, , 441-450.	0.6	1
149	Effect of GSM Frequency Band on Received Signal Strength and Distance Estimation from Cell Tower. , 2017, , .		1
150	Analysis of Electrical field in Uniformly doped Cylindrical Surrounding Double-Gate MOSFET. , 2019, , .		1
151	CSDG MOSFET Based Linear Voltage Regulator: A Mixed Signal Device Perspective. , 2019, , .		1
152	Designing of Buck Regulator with Double-Gate MOSFET: A Circuit Perspective. , 2020, , .		1
153	A Novel Feeder Protection System Using Fast Switching PhotoMOS Relay. , 2020, , .		1
154	Compact Noise Modeling Approach in Nano-scaled CSDG MOSFET for RF Switch. Journal of Physics: Conference Series, 2021, 1714, 012024.	0.4	1
155	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. International Journal on Communications Antenna and Propagation, 2021, 11, 94.	0.3	1
156	Group Handover Strategy for Mobile Relays in LTE-A Networks. Journal of Communications, 2018, , 505-511.	1.6	1
157	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
158	Cylindrical Surrounding Double-Gate RF MOSFET. Analog Circuits and Signal Processing Series, 2014, , 111-142.	0.3	1
159	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
160	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
161	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
162	Free Space Optical System with Spatial Modulation and Diversity Combiners Over Atmospheric Turbulent Channel. Journal of Communications, 2019, , 70-81.	1.6	1

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163	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
164	An Adaptive Vector Median Filtering Approach to Enhance the Prediction Efficiency of Signal Power Loss. Journal of Communications, 2020, , 866-875.	1.6	1
165	InP/AlGaAs Based CSDG MOSFET With Au/Pt Gate Materials for High Frequency/Hybrid Applications. , 2021, , .		1
166	Realization with fabrication of double-gate MOSFET based boost regulator. Materials Today: Proceedings, 2022, , .	1.8	1
167	Performance Optimization of p-Channel SnO Cylindrical Thin Film Transistors (CTFT) Using 3D Modelling. , 2021, , .		1
168	Modeling and Electrical Performance Optimization of p-type SnO-based Cylindrical Thin-film Transistors. , 2021, , .		1
169	3D Numerical Simulation and Electrical Performance Analysis of p-channel Cylindrical TFTs for New Man-machine Interface Applications. , 2021, , .		1
170	Effect of Metal Gate Work Function Variation on Underlap FinFET. , 2022, , .		1
171	Transmission of Data Using Distinct Intensity Levels in IR Radiations. , 2009, , .		0
172	Circuit Design with Independent Double Gate Transistors. , 2010, , .		0
173	Implementation of digital neuron cell using 8-bit activation function. , 2011, , .		0
174	Effect of Gate Finger on Double-Gate MOSFET for RF Switch at 45-nm Technology. , 2011, , .		0
175	Drain current and switching speed of the Double-Pole Four-Throw RF CMOS switch. , 2011, , .		0
176	Advancement of MOSFET with the application of hafnium. , 2012, , .		0
177	Design optimization of high-k dielectric based double-gate MOSFET and it's performance. , 2015, , .		0
178	Experimental comparison of precoding schemes for CR-MIMO systems for interference avoidance. , 2015, , .		0
179	Circuit perspective of Terahertz Double-Gate MOSFET for switch. , 2015, , .		0
180	Performance analysis of smart antenna bandwidth at terahertz frequency range. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
181	Technical program committee chair(s) Prof. Dr. Ramesh Bansal & Prof. Dr. Viranjay M. Srivastava. , 2017, , .		0
182	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
183	Effect of Gate-lap and Oxide Material at 10-nm FinFET Device Performance. , 2018, , .		0
184	Concept of Double-Pole Four-Throw Switch with n-MOSFETs. , 2018, , .		0
185	Design and Analysis of Improved Performance Amorphous-silicon Thin Film Solar Panel. , 2019, , .		0
186	Performance Analysis of High- ϵ_r Dielectric Based Double-gate Carbon Nanotube MOSFET. , 2019, , .		0
187	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
188	Third Order High Pass Filter with Double-Gate MOSFET: A Circuit Perspective. , 2020, , .		0
189	Third Order Band Pass Filter With Double-Gate MOSFET: A Circuit Perspective. , 2021, , .		0
190	CdS Quantum Dots Based Nano Light Emitting Device. , 2021, , .		0
191	Third Order Band Pass Filter With Double-Gate MOSFET: A Simulation Perspective. IOP Conference Series: Materials Science and Engineering, 2021, 1126, 012019.	0.6	0
192	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
193	Improved Electromagnetic Signal Power Loss Prediction Using Fused Adaptive Linear Based Smoothing Technique. Wireless Personal Communications, 2021, 121, 2371-2392.	2.7	0
194	Measurement Process of MOSFET Device Parameters with VEE Pro Software for DP4T RF Switch. International Journal of Communications, Network and System Sciences, 2011, 04, 590-600.	0.6	0
195	Characterization Process of MOSFET with Virtual Instrumentation for DP4T RF Switch " A Review. Wireless Sensor Network, 2011, 03, 300-305.	1.3	0
196	Testing of Cylindrical Surrounding Double-Gate MOSFET Parameters Using Image Acquisition. Journal of Signal Processing Theory and Applications, 0, , .	0.0	0
197	Conclusions and Future Scope. Analog Circuits and Signal Processing Series, 2014, , 177-182.	0.3	0
198	Testing of MOSFETs Surfaces Using Image Acquisition. Analog Circuits and Signal Processing Series, 2014, , 165-175.	0.3	0

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199	Hafnium Dioxide-Based Double-Pole Four-Throw Double-Gate RF CMOS Switch. Analog Circuits and Signal Processing Series, 2014, , 143-163.	0.3	0
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