

Sl.No	Pub Year	Authors	Paper Title	Journal Name	ISSN No	Vol. No	Issue No	Start Page	End Page
1	2019	S. Arunima Rajan, Madhulika Sharma, Niroj Kumar Sahu	Water-to-PEG Variation: Morphology and Hyperthermic Behaviour of Iron Oxide	Journal of Superconductivity and Novel Magnetism	1557-1939	xxxx	xxxx	1	7
2	2019	Arunima Rajan S, Ahmaduddin Khan, Syed Asrar, Hasan Raza, Raunak Kumar Das, Niroj Kumar Sahu	Synthesis of ZnO/Fe ₃ O ₄ /rGO Nanocomposites and Evaluation of Antibacterial Activities towards E. coli and S. aureus.	IET Nanobiotechnology	xxxx	xxxx	xxxx	1	8
3	2019	S V V Satyanarayana, Sridevi Sriadibhatla	Precharge free soft error hardened CAM cell design for low power and high performance	Journal of engineering science and technology	1823-4690	14	1	370	386
4	2019	Kadiyam Rajshekar, Hsiao Hsuan Hsu, P. Sathyanarayanan, V. Velmurugan, Chun-Hu Cheng and D. Kannadassan	Effect of Plasma Fluorination in p-Type SnO TFTs: Experiments, Modeling, and Simulation	IEEE TRANSACTIONS ON ELECTRON DEVICES	0018-9383	66	3	1314	1321
5	2019	S.Narasimman, K.Harish Babu, L.Balakrishnanb, S.R.Meher, R.Sivacoumar, Z.C.Alex	Fabrication of Fiber Optic Based Temperature Sensor	Materials Today Proceedings	2214-7853	9	2	164	174
6	2019	Preetha, K.S., Kalaivani, S.	An efficient spectrum handoff decision making scheme for cognitive radio networks	International Journal of Internet Technology and Secured Transactions	1748-569X	9	1-2	68	95
7	2019	Manav Aggarwal ; T. Velmurugans ; Marimuthu Karuppiah ; Mohammad Mehedi Hassan ; Ahmad Almogren ; Walaa Nagy Ismail	Probability-Based Centralized Device for Spectrum Handoff in Cognitive Radio Networks	IEEE Access	2169-3536	7	1	26731	26739

8	2019	Killadi Baboji Sriadibhatla Sridevi	Design and Implementation of Area and Power efficient reconfigurable FIR filter with low complexity coefficients	GAZI UNIVERSITY JOURNAL OF SCIENCE	2147-1762	32	2	494	507
9	2019	Shanmugasundaram M Kumar R and Kittur H M	Gene Optimized Deep Neural Round Robin Workflow Scheduling in Cloud	International Journal of Advanced Computer Science and Applications	2158-107X	10	4	337	346
10	2019	S Prabhu M Lakshmanan and V Noor Mohammed	A Multimodal Authentication for Biometric Recognition System using Intelligent Hybrid Fusion Techniques	Journal of Medical Systems	01485598	43	249	1	9
11	2019	Vinoth Babu Kumaravelu;Arthi	Planning of Base station and Relay station Deployment Locations for Next Generation Networks	Journal of Engineering Science & Technology	1823-4690	14	4	1	40
12	2019	Sumit Kumar Jindal, Ankush Mahajan, Sanjeev Kumar Raghuvanshi	An Inductive-Capacitive Circuit based MEMS Wireless Capacitive Pressure Sensor for Avionic Applications: Preliminary Investigations, Theoretical Modelling and Simulation Examination of Newly Proposed Methodology	Measurement and Control (SAGE)	0020-2940	0	0	0	0
13	2019	Joshi, Ketan., Jain, Swapnil., Patwari, Ashish.	WSN hardware prototype for irrigation control and multi-parameter plant growth monitoring using IOT	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	6	1643	1650
14	2019	Arun Kumar Chandrasekhar, Venkateswaran Vivekananthan, Gaurav Khandelwal, and Sang-Jae Kim	A Sustainable Human-Machine Interactive Triboelectric Nanogenerator towards a Smart Computer Mouse	ACS Sustainable Chemistry and Engineering	2168-0485	7	7	7177	7182
15	2019	Deepika Rani Sona, Kalapraveen Bagadi	Design of an Optimized Social Arithmetic Mean Based Relay	International Journal of Innovative Technology	2278-3075	8	7	527	531

			Selection Scheme for D2D Cooperative Communication	and Exploring Engineering					
16	2019	Gaurav Khandelwal, Arunkumar Chandrasekhar, Nirmal Prashanth Maria Joseph Raj, Sang Jae Kim	Metal-organic Framework: A Novel Material for Triboelectric Nanogenerator based Self-powered Sensor and Systems	Advanced Energy Materials	1614-6832	1803581	9	1	8
17	2019	S. NANDAKUMAR, T. VELMURUGAN, UTTHARA THIAGARAJAN, MARIMUTHU KARUPPIAH, MOHAMMAD MEHEDI HASSAN, ABDULHAMEED ALELAIWI AND MD. MOTAHARUL ISLAM	Efficient Spectrum Management Techniques for Cognitive Radio Networks for Proximity Service	IEEE ACCESS	2169-3536	7	2	43795	43805
18	2019	Krishna Sriharsha Gundu ; Sundar S	NORMALIZED GEOMETRIC INDEX: A SCALE FOR CLASSIFIER SELECTION	International Journal of Mechanical Engineering and Technology (IJMET)	0976-6340	10	01	1392	1398
19	2019	Killadi Baboji Sriadibhatla Sridevi	Design and Implementation of Area and Power efficient reconfigurable FIR filter with low complexity coefficients	GAZI UNIVERSITY JOURNAL OF SCIENCE	2147-1762	32	2	494	507
20	2019	Sangeetha A, Srinivasa Rao	Mitigation of nonlinear effects with Volterra and Wiener Hammerstein Electrical Equalizer in LDPC Coded Coherent Optical OFDM system	Journal of communications	2374-4367	14	4	287	292
21	2019	K. Baboji, Sriadibhatla Sridevi	Optimal Design of Multiplier-Less Non-uniform Channel Filters with Successive Approximation of Vectors	Circuits Systems and Signal Processing	0278-081X	38	10	4597	4620
22	2019	Pradeep Dammala, Joel Machado, Barkha Rani, Sudha Murali, Suman Devi, Meitram	Synthesis of biphasic nanomaterials based on ZnO and SnO ₂ : Application towards	Nano-Structures & Nano-Objects	2352-507X	18	2352-507X	100292	100301

		Niraj Luwang, Niroj Kumar Sahu	photocatalytic degradation of acid red dye						
23	2019	Venkateswaran Vivekananthan, Arunkumar Chandrasekhar, Nagamalleswara Rao Alluri, Yuvasree Purusothaman, Gaurav Khandelwal, Rajagopalan Pandey, Sang Jae Kim	Fe ₂ O ₃ magnetic particles derived triboelectric-electromagnetic hybrid generator for zero-power consuming seismic detection	Nano Energy	2211-2855	0	00	0	0
24	2019	Senthil Rajan, V., Sanjay, R., Kumaravel, S., Venkataramani, B.	Area and power-efficient flipped voltage follower based symmetrical floating impedance scaler with improved accuracy for fully differential filters	AEU - International Journal of Electronics and Communications	1434-8411	106	7	116	125
25	2019	Monisha S., Saranya D., Rajesh A.	Design and analysis of multi-hexagonal reversible encoder using photonic crystals	Optical and Quantum Electronics	0306-8919	51	1	-	-
26	2019	Suresh Kumar M and Yogesh Kumar Choukiker	Frequency tunable circularly polarized antenna with branch line coupler feed network for wireless applications	International journal of RF and Microwave computer-aided engineering	10964290	29	8	1	9
28	2019	A.M Aswin and S.Sankar Ganesh	IMPLEMENTATION AND VALIDATION OF MEMORY BUILT-IN SELF TEST (MBIST) - SURVEY	International Journal of Mechanical Engineering and Technology (IJMET)	09766340	10	3	229	236
29	2019	Thirumalesu Kudithi, Sakthivel R	An Efficient Hardware Implementation of Finite Field Inversion for Elliptic Curve Cryptography	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	9	827	832
30	2019	Rajeshkumar Venkatesan, Rajkumar Rengasamy	Corrugated fractal monopole antenna with enhanced	International Journal of Wireless and Mobile	1741-1084	16	1	66	71

			bandwidth for ultrawideband applications	Computing, Inderscience					
31	2019	Shastri, S., Thanikaiselvan, V.	Dual image reversible data hiding using trinary assignment and centre folding strategy with low distortion	Journal of Visual Communication and Image Representation	1047-3203	61	5	130	140
32	2019	Vishnu VardhanGudla.,Vinoth Babu Kumaravelu	Dynamic spatial modulation for next generation networks	Physical Communication	1874-4907	34	1	90	104
33	2019	Arunkumar Chandrasekhar, Venkateswaran Vivekananthan, Gaurav Khandelwal, and Sang Jae Kim	A Fully Packed\Water-Proof, Humidity Resistant Triboelectric Nanogenerator For Transmitting Morse Code	Nano Energy	2211-2855	60	-	850	856
34	2019	Thilagavathi KARUNAMURTHY, Sivanantham SATHASIVAM	Temperature-Aware X-filling for Very Large Scale Integrated Circuits	GAZI UNIVERSITY JOURNAL OF SCIENCE	2147-1762	32	2	572	580
35	2019	V. V. Satyanarayana SATTI, Sridevi SRIADIBHATLA	Hybrid self-controlled precharge-free CAM design for low power and high performance	Turkish Journal of Electrical Engineering & Computer Sciences	1303-6203	27	2	1132	1146
36	2019	S V V Satyanarayana, Sridevi Sriadibhatla	Design of TCAM Architecture for Low Power and High-Performance Applications	Gazi University Journal of Science	2147-1762	32	1	164	173
37	2019	Meenakshi Subramani; Vinoth Babu Kumaravelu	A Three-Stage Fuzzy-Logic-Based Handover Necessity Estimation and Target Network Selection Scheme for Next Generation Heterogeneous Networks	Journal of Circuits, Systems, and Computers	0218-1266	29	6	1	30
38	2019	AnaghaRajput.,Vinoth Babu Kumaravelu	Scalable and sustainable wireless sensor networks for agricultural application of Internet of things using fuzzy c-means algorithm	Sustainable Computing: Informatics and Systems	2210-5379	22	1	90	104

39	2019	K Srinivasan, E James Jabaseelan Samuel, V Poopathi, A Nirmala Grace	Investigation on energy dependency of dose enhancement factor produced by gold nanoparticle	Materials Today: Proceedings	2214- 7853	9	-	446	449
40	2019	Ajay Kumar, Manish Kumar, Sumit Kumar Jindal, Sanjeev Kumar Raghuvanshi	Implementation of All-Optical Active low/high Tri-state Buffer logic using the Micro- Ring Resonator Structures	Optical and Quantum Electronics	0306- 8919	51	191	1	18
41	2019	Jegadheesan V., Sivasankaran K., Konar A.	Impact of geometrical parameters and substrate on analog/RF performance of stacked nanosheet field effect transistor	Materials Science in Semiconductor Processing	1369- 8001	93		188	195
42	2019	Chella Santhosh, Arumugam Malathi, Ehsan Dhaneshvar, Amit Bhatnagar, Andrews Nirmala Grace, Jagannathan Madhavan	Iron Oxide Nanomaterials for Water Purification	Nanoscale Materials in Water Purification	-	-	-	431	446
43	2019	Ravi Nivetha, Pratap Kollu, Krishna Chandar, Sudhagar Pitchaimuthu, Soon Kwan Jeong, Andrews Nirmala Grace	Role of MIL-53 (Fe)/hydrated- dehydrated MOF catalyst for electrochemical hydrogen evolution reaction (HER) in alkaline medium and photocatalysis	RSC Advances	2046- 2069	9	6	3215	3223
44	2019	•Sindhu Babulogiah, Valarmathi Jayaraman and Christopher Sargunraj	Bearing only target tracking using single and multisensory: A review	Journal of Engineering science and Technology review	111	12	1	50	65
45	2019	Mohammad Saadh A.W., Poonkuzhali R., Ali T.	A miniaturized single-layered branched multiple-input multiple-output antenna for WLAN/WiMAX/INSAT applications	Microwave and Optical Technology Letters	0895- 2477			-	-

46	2019	Thirumalesu Kudithi, R. Sakthivel	High-performance ECC processor architecture design for IoT security applications	The Journal of Supercomputing	0920-8542	75	1	447	474
47	2019	A N S Aditya Rachakonda, Anand S	Behavioral and Modal Analysis of Graphene-Based Polygonal Optical Antenna for Enhanced Bio-molecular Detection	Plasmonics, Springer Nature	1557-1955	14	2	293	302
48	2019	Rajeshkumar V., Rengasamy R., Naidu P.V., Kumar A.	A compact meta-atom loaded asymmetric coplanar strip-fed monopole antenna for multiband operation	AEU - International Journal of Electronics and Communications	1434-8411	98		241	247
49	2019	Kishore V. Krishnan, A. Bagubali, M. Shanmugasundaram, K. Saravanan, S. Subha Bharathi	Spectrum Allocation in Cognitive Radio networks using Genetic Algorithm,(2019), Journal of Engineering and Applied Sciences	Journal of Engineering and Applied Sciences	1816949X	14	8	2588	2593
50	2019	Sathiyathan Felix, Pratap Kollu, Andrews Nirmala Grace	Electrochemical performance of Ag-CuO nanocomposites towards glucose sensing	Materials Research Innovations	1433-075X	23	1	27	32
51	2019	Nithya Deva Krupa, Andrews Nirmala Grace, Vimala Raghavan	Process optimisation for green synthesis of ZnO nanoparticles and evaluation of its antimicrofouling activity	IET Nanobiotechnology	1751-875X	-	-	0	0
52	2019	Subashini Gnanasekar, Pratap Kollu, Soon Kwan Jeong & Andrews Nirmala Grace	Pt-free, low-cost and efficient counter electrode with carbon wrapped VO ₂ (M) nanofiber for dye-sensitized solar cells	Scientific Reports	0068-1261	9	-	1	12
53	2019	Ravi Nivetha, Andrews Nirmala Grace	Manganese and zinc ferrite based graphene nanocomposites for electrochemical hydrogen evolution reaction	Journal of Alloys and Compounds	1873-4669	796	-	185	195

54	2019	Dharmalingam Sivanesan, Umair H Bhatti, Min Hye Youn, Ki Tae Park, Hak Joo Kim, Andrews Nirmala Grace, Seung Hoon Choi, Soon Kwan Jeong	Catalytic Characteristics of Metal Catalysts and Nitrate Salt of a Tripodal Ligand in a Basic Medium for Post-combustion CO2 Capture Process	ACS Sustainable Chemistry & Engineering	2168-0485	--	-	0	8
55	2019	K. A. Balaji and Kalapraveen Bagadi	Performance Analysis of Relay Assisted Multihop Coherent OFDM System over Malaga Distribution with Pointing Errors	Journal of Optical Communications	2191-6322	NA	NA	1	10
56	2019	H.S. Jain, A. Palak, S. Agrawal, K. Tibrewal and M.K. Hota	DC motor speed control using PID controller, IR sensor and PWM hysteresis	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	6	781	786
57	2019	K. A. Balaji and Kalapraveen Bagadi	Work on the Evaluation Parameters of Serial and Parallel Relay-Assisted FSO System	Journal of Optical Communications	2191-6322	NA	NA	1	10
58	2019	Velmurugan T, Prakasam P, Noor Mohammed V, Saravanan K	Smart Garbage Monitoring and Navigation System using IoT	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	8	11	3992	3996
59	2019	Meenakshi Subramani, Vinoth Babu Kumaravelu	A Vertical Half Handover Scheme For 5G Based Device-To-Device Ultra Dense Networks	International Journal of Advanced Science and Technology	2005-4238	128	1	1	11
60	2019	S.Revathi	Circular pattern photonic crystal fibers for different liquids with high effective area and sensitivity	Plasmonics	1557-1955	19	3	1	7
61	2019	Sangeetha, A., Sharma, N., Deb, I.	Feasibility evaluation of MIMO based FSO links	Journal of Communications	2374-4367	14	3	187	193

62	2019	Venkateswaran Vivekananthan, Arunkumar Chandrasekhar, Nagamalleswara Rao Alluri, Yuvasree Purusothaman, Woo Joong Kim, Chang-Nam Kang, Sang-Jae Kim	A flexible piezoelectric composite nanogenerator based on doping enhanced lead-free nanoparticles	Materials Letters	0167-577X	249	00	73	76
63	2019	N Sangeetha; Valarmathi J; Bhavani Kumar Yellapragada; Sivabalan S	Investigation on the performance of Levinson recursion algorithm-based Wiener filter in gluing ground-based lidar signals	Optical engineering	1560-2303	58	6	1	10
64	2019	Jindal S.K., Aditya Varma M., Thukral D.	Study of MEMS Touch-Mode Capacitive Pressure Sensor Utilizing Flexible SiC Circular Diaphragm: Robust Design, Theoretical Modeling, Numerical Simulation and Performance Comparison	Journal of Circuits, Systems and Computers	0218-1266	0	0	0	0
65	2019	Shyam C V, Aravind R Menon and Naveen Kumar V	IMPLEMENTATION OF AN INTELLIGENT TEMPERATURE TO VOLTAGE CONVERTER USING ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM	ARPJ Journal of Engineering and Applied Sciences	1819-6608	14	8	1584	1590
66	2019	Raju V., Sivasankaran K.	Impact of high k spacer on RF stability performance of double gate junctionless transistor	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	0894-3370	32	1	-	-
67	2019	Govindaraj P., Sudhakar M.S.	A new 2D shape retrieval scheme based on phase congruency and histogram of oriented gradients	Signal, Image and Video Processing	1863-1703			-	-
68	2019	Ramya, S., Srinivasa Rao, I.	An Ultra-Thin, Bandwidth	Wireless Personal	0929-	105	4	1617	1627

			Enhanced Metamaterial Absorber for X-Band Applications	Communications	6212				
69	2019	Nirmal Prashanth Maria Joseph Raja, Nagamalleswara Rao Alluri, Arunkumar Chandrasekhar, Gaurav Khandelwal, Sang Jae Kim	Self-powered ferroelectric NTC thermistor based on bismuth titanate	Nano energy	2211-2855	0	00	0	0
70	2019	Sujatha	Cloud computing based predictive Analysis for smart agriculture	International Journal of recent technology and Engineering	2277-3878	7	5S2	295	298
71	2019	Ramya, S. and Srinivasa Rao, I	An Ultra-thin, Bandwidth Enhanced Metamaterial Absorber for X-band Applications	Wireless Personal Communications	0929-6212	105	4	1617	1627
72	2019	Venkateswaran Vivekananthan, Nagamalleswara Rao Alluri, Arunkumar Chandrasekhar, Yuvasree Purusothaman, Aayush Gupta and Sang-Jae Kim	Zero power consuming intruder identification system by enhanced piezoelectricity of K0.5Na0.5NbO3 using substitutional doping of BTO NPs	Journal of Materials Chemistry C	2050-7526	0	0	0	0
73	2019	Yepuganti Karuna, Saritha Saladi, Pramodh Konduru, G Ramachandra Reddy	Magnetic Resonance Brain Images Individual Recognition with PCA	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	4S	157	161
74	2019	Dhanamjayulu C, Arunkumar C, Ravikumar CV and Venugopal P	Real Time Implementation of a 31- Level Asymmetrical Cascaded Multilevel Inverter for dynamic loads	IEEE ACCESS	2169-3536	7	1	51254	51266
75	2019	Suriya I., Anbazhagan R.	Inverted-A based UWB MIMO antenna with triple-band notch and improved isolation for	AEU - International Journal of Electronics and Communications	1434-8411	99		25	33

			WBAN applications						
76	2019	Mohammad Saadh, R.Poonkuzhali	A compact two element MIMO antenna with improved isolation for wireless applications	Journal of Instrumentation	1748-0221	14	6	1	15
77	2019	Shajimon K. John; D. Sivaraj ; R. K. Mugelan	Implementation Challenges and Opportunities of Smart City and Intelligent Transport Systems in India	Internet of Things and Big Data Analytics for Smart Generation	1868-4394	154	1	213	233
78	2019	Gangiregula Subba Rao, Venkata Lakshmi Narayana K., Naveen Kumar V., Pranav Sanghavi	Development of Virtual Flow Sensor using Artificial Neural Networks	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	9	2	4081	4087
79	2019	Ishan Yash, Hemprasad Yashwant Patil, Usha Rani Seshasayee	Juxtaposition of Different Machine Learning Techniques for Improved Time Series Classification	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	9	Issue-1	9	17
80	2019	C. Suganthi Evangeline and Vinoth Babu Kumaravelu	Survey on VANET's layered architecture, security challenges and target network selection schemes	ARPJ Journal of Engineering and Applied Sciences	1819-6608	14	24	4248	4262
81	2019	Sangeetha Subbaraj, Malathi Kanagasabai, Senior Member, IEEE, M. Gulam Nabi Alsath, Member, IEEE, Sandeep Kumar Palaniswamy, Saffrine Kingsly, Indhumathi Kulandhaisamy, Arun Kumar Shrivastav, Rajesh Natarajan, Meiyalagan Shanmugapriya	A Compact Frequency Reconfigurable Antenna with Independent Tuning for Hand-held Wireless Devices.	IEEE Transactions on Antennas and Propagation	0018-926X	earlyaccess	0	1	1
82	2019	Subramani, M., Kumaravelu, V.B.	A fuzzy based vertical handover network selection scheme for device-to-device	Indonesian Journal of Electrical Engineering and Computer Science	2502-4752	17	1	324	330

			communication						
83	2019	Evangeline, C.S., Kumaravelu, V.B.	A fuzzy based trust and priority enabled AODV routing scheme for vehicular network	International Journal of Scientific and Technology Research	2277-8616	8	10	1551	1561
84	2019	Padmini, T.N., Shankar, T.	Atmospheric light estimation using particle swarm optimization for dehazing	International Journal of Advanced Computer Science and Applications	2158-1070	10	11	553	563
85	2019	Rajput, A., Kumaravelu, V.B.	Fuzzy logic-based distributed clustering protocol to improve energy efficiency and stability of wireless smart sensor networks for farmland monitoring systems	International Journal of Communication Systems	1074-5351	e4239	e4239	1	28
86	2019	Ragunath, G., Sakthivel, R.	A high-speed BCD adder using single 4-bit binary adder and detector circuit	International Journal of Engineering and Advanced Technology	2249-8958	8	5	1994	1999
87	2019	Vishnu Vardhan Gudla, Vinoth Babu Kumaravelu	Permutation index-quadrature spatial modulation: A spectral efficient spatial modulation for next generation networks	International Journal of Electronics and Communications	1434-8411	111	1	1	10
88	2019	Shanmugasundaram, M., Kittur, H.M., Kumar, R.	Gene optimized deep neural round robin workflow scheduling in cloud	International Journal of Advanced Computer Science and Applications	2158-107X	10	4	337	346
89	2019	Aarthy M , Nishant Yadav,	Low Power and High Performance FIR Filter For Reconfigurable Applications	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	8	7	537	540
90	2019	Srinivasan S., Ranganathan V., DeRosa M.C., Murari B.M.	Comparison of turn-on and ratiometric fluorescent G-quadruplex aptasensor approaches for the detection of ATP	Analytical and Bioanalytical Chemistry	1618-2642			-	-

91	2019	Manimaran P	Analysis on smart material suitable for autogenous microelectronic application	Materials Research Express	2053-1591	10509	6	1	10
92	2019	Karuna Yepuganti, G. Ramachandra Reddy	A Novel Strong Decorrelation Approach for Image Subband Coding Using Polynomial EVD Algorithms	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	0369-8203	1	1	1	11
93	2019	Prayline Rajabai C and Sivanantham S	Five-stage pipelined dual-edge deblocking filter architecture for H.265 video codec	IEICE Electronics Express	1349-2543	16	22	1	6
94	2019	Prayline Rajabai C and Sivanantham S	High-Throughput Deblocking Filter Architecture Using Quad Parallel Edge Filter for H.264 Video Coding Systems	IEEE Access	2169-3536	7	-	99642	99650
95	2019	Yuvasree Purusothaman, Nagamalleswara Rao Alluri, Arunkumar Chandrasekhar, Vivekananthan Venkateswaran & Sang-Jae Kim	Piezophototronic gated optofluidic logic computations empowering intrinsic reconfigurable switches	Nature Communications	2041-1723	4381	00	00	00
96	2019	Padmini, T.N., Shankar, T.	Multi-scale fusion of enhanced hazy images using particle swarm optimization and fuzzy intensification operators	International Journal on Advanced Science, Engineering and Information Technology	2088-5334	9	4	1110	1115
97	2019	Arunkumar Chandrasekhar, Venkateswaran Vivekananthan, Sang-Jae Kim	A fully packed spheroidal hybrid generator for water wave energy harvesting and self-powered position tracking	Nano Energy	2211-2855	69	00	104439	104439
98	2019	Sumithra Velayudham, Sivakumar Rajagopal, Seok Bum Ko	An Improved Low Power Coding for Serial Network on Chip Links	Circuits, Systems, and Signal Processing	0278-081X	1	11	1	26
99	2019	Shanmugsundaram, M., Burgul, K., Kumar, R., Kittur, H.M.	Performance of dynamic queue based minimal deadline first scheduling algorithm in	International Journal of Innovative Technology and Exploring	2278-3075	8	11	3263	3268

			multicore system under real time and non-real time kernel environment	Engineering					
100	2019	Ilavarasan Tamilarasan, Brindha Saminathan, Poongundran Selvaprabhu and Mugelan Ramakrishnan Kuppusamy	Analysis of Laser Linewidth on the Performance of Direct Detection OFDM Based Backhaul and Backbone Networks	Journal of Optical Communication	-	-	-	1	7
101	2019	Mohammed Saadh and R.Poonkuzhali	A compact CPW fed Multiband antenna for WLAN/INSAT/WPAN applications	International Journal of Electronics and Communication	1434-8411	109	109	128	135
102	2019	Rajesh Natarajan, Mohammed Gulam Nabi Alsath, Malathi Kanagasabai, Sridhar Bilvam and Shanmugapriya Meiyalagan	Integrated Vivaldi antenna for UWB/diversity applications in vehicular environment	International journal of RF and Microwave Computer Aided Engineering	1099-047X	30	1	1	10
103	2019	Maryjo M.George,Kalaivani S	Retrospective correction of intensity inhomogeneity with sparsity constraints in transform-domain: Application to brain MRI	Magnetic Resonance Imaging	0730-725X	61	1	207	223
104	2019	M Palanivelan, M Lakshmanan and V Noor Mohammed	WARP IMPLEMENTATION OF SLIDING TAXICAB NORM TRANSFORM TECHNIQUE FOR PAPR REDUCTION IN OFDM SYSTEMS	Telecommunication and Radio Engineering	0040-2508	78	13	1143	1165
105	2019	A Dhariwal and V Noor Mohammed	METAMORPHOSIS OF 5G WIRELESS COMMUNICATION : A REVIEW	Telecommunication Radio Engineering	0040-2508	78	17	1567	1588
106	2019	Arjun Varma, Ashwath A, Ayush Verma, A. Bagubali, Kishore V Krishnan	Implementation of Obstruction Avoiding Robot using Ultrasonic Sensor and Arduino	International Journal of Recent Technology and Engineering (IJRTE)	2277-3878	8	4	7335	7339

			UNO						
107	2019	Sanjeev Kumar Raghuwanshi, Manish Kumar, Sumit Kumar Jindal, Ajay Kumar	High Sensitivity Detection of Multiple Meta material Stacked Grating-Assisted Surface Plasmon Resonance Sensor based on Bimetallic-Layer	IEEE Transactions on Instrumentation and Measurement	1557-9662	0	0	0	0
108	2019	S.K. Subramaniam, I. Y. Panessai, R. A. Ramlee, R. Sujatha, N. Rajagopal	TCP Performance and Throughput Fairness optimization in a multi hop pipeline network	International Journal of Recent Technology and Engineering	2277-3878	8	3S2	499	505
109	2019	C R Rathish, Prakasam P	Hybrid Mobile Ad-Hoc Delay Tolerant Network for Optimum Routing in Wireless Sensor Networks	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	11	1303	1308
110	2019	Rajeev Pankaj Nelapati Sivasankaran K	Process Variation Study of SELBOX Inverted- T Junctionless FinFET for High-Performance Applications	Silicon	1876990 X	1	1	1	8
111	2019	Veerati Raju, Sivasankaran K	Performance Analysis of Double Gate Junctionless Tunnel Field Effect Transistor: RF Stability Perspective	(IJACSA) International Journal of Advanced Computer Science and Applications	21565570	10	11	529	537
112	2019	Durgesh Laxman Tiwari, K. Sivasankaran	Impact of carrier concentration and bandgap on the performance of double gate GNR-FET	Superlattices and Microstructures	07496036	130	130	38	49
113	2019	Sumit Kumar Jindal, Srishti Priya, Kshipra Prasad S	Design guidelines for MEMS Optical Accelerometer based on dependence of Sensitivities on Diaphragm Dimensions	Journal of Circuits, Systems and Computers (World Scientific)	0218-1266	29	7	1	19
114	2019	Aarthy M,Sriadibhatla Sridevi	Design and Analysis Of An Ultra-Low Power Single	Journal of Advanced Research in Dynamical &	1943-023X	11	8	2346	2365

			Electron Transistor Based Binary Multiplier	Control Systems					
115	2019	R. Vijaya Geetha & S. Kalaivani	Laplacian pyramid-based change detection in multitemporal SAR images	European Journal of Remote Sensing	2279-7254	52	1	463	483
116	2019	Aarthy M, Sriadibhatla Sridevi	A Low Power Flash ADC using Single-Electron Transistor	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075	8	9	568	572
117	2019	Anbalagan Karthikeyan Venkatasubramanian Srividhya Souvik Kundu	Guided joint spectrum sensing and resource allocation using a novel random walk grey wolf optimization for frequency hopping cognitive radio networks	International Journal of Communication Systems	1074-5351	32	13	1	22
118	2019	Durgesh Laxman Tiwari, K. Sivasankaran	Nitrogen-doped NDR behavior of double gate graphene field effect transistor	Superlattices and Microstructures	07496036	136	106308	1	8
119	2019	R Syamsai, JR Rodriguez, VG Pol, AN Grace	Reversible, Stable Li-ion Storage in 2 D Single Crystal Orthorhombic α -MoO ₃ Anodes	Journal of Colloid and Interface Science	0021-9797	465	-	194	204
120	2019	Sourav Ghosh, Ravichandran Santhosh, Sofia Jeniffer, Vimala Raghavan, George Jacob, Katchala Nanaji, Pratap Kollu, Soon Kwan Jeong, Andrews Nirmala Grace	Natural biomass derived hard carbon and activated carbons as electrochemical supercapacitor electrodes	Scientific reports	2045-2322	9	1	1	15
121	2019	Ravuri Syamsai, Andrews Nirmala Grace	Synthesis, properties and performance evaluation of vanadium carbide MXene as supercapacitor electrodes	Ceramics International	0272-8842	46	4	5323	5330
122	2019	PV Rajeev, S Gnanasekar, R Sellappan, AN Grace	Synthesis and analysis of Mo ₂ N as efficient counter electrodes	Materials Today: Proceedings	2214-7853	-	-	0	5

			for dye sensitized solar cells						
123	2019	Ravuri Syamsai, Andrews Nirmala Grace	Ta4C3 MXene as supercapacitor electrodes	Journal of Alloys and Compounds	0925-8388	792	-	1230	1238
124	2019	Dharmalingam Sivanesan, Umair H Bhatti, Min Hye Youn, Ki Tae Park, Hak Joo Kim, Andrews Nirmala Grace, Seung Hoon Choi, Soon Kwan Jeong	Catalytic Characteristics of Metal Catalysts and Nitrate Salt of a Tripodal Ligand in a Basic Medium for Postcombustion CO2 Capture Process	ACS Sustainable Chemistry & Engineering	2168-0485	7	14	11955	11962
125	2019	George Jacob, Gargi Raina	Frequency Dependent Graphene Surface Plasmon Properties on Different Dielectrics	International Journal of Recent Technology and Engineering	2277-3878	8	3	6447	6449
126	2019	Ajith James Jose, Runcy Wilson, George Jacob, Muthukaruppan Alagar	Studies on thermo mechanical and surface properties of polysulfone / poly(ether imide ester) blends	Materials Today: Proceedings	2214-7853	9	2	279	294
127	2019	Kartik Arora, Sanjay Kumar Singh	IOT Based Portable Medical Kit	International Journal of Engineering and Advanced Technology (IJEAT)	2249-8958	8	553	42	46
128	2019	Visalakshi Annepu and A. Rajesh	Implementation of self adaptive mutation factor and cross-over probability based differential evolution algorithm for node localization in wireless sensor networks	Evolutionary Intelligence	1864-5909	12	3	469	478
129	2019	B.Sindhu, J. Valarmathi and S. Christopher	Fusion of Derived Heading for Bearings only Tracking	International Journal of Automatic Control	1974-6059	12	2	102	107
130	2019	NagaJyothi, G., Sridevi, S.	High speed and low area decision feed-back equalizer with novel memory less distributed arithmetic filter	Multimedia Tools and Applications	1380-7501	78	23	32679	32693

131	2019	Karuna Yepuganti, G Ramachandra Reddy	A Novel Strong Decorrelation Approach for Image Subband Coding Using Polynomial EVD Algorithms	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	0369- 8203	1	1	1	11
132	2019	Rajeev Pankaj Nelapati, Sivasankaran K	Process Variation Study of SELBOX Inverted- T Junctionless FinFET for High- Performance Applications	Silicon	1876- 990X	1	8	1	8
133	2019	B. Sudha, Dr. S. Kathiravan, Dr. P.M. Durai,Raj Vincent, Dr. P. Sasikumar	Critical Analysis of Implication of Machine Learning Approaches in Medical domain	International Journal of Research in Advent Technology	2321- 9637	7	5	9	17
134	2019	Velmurugan T, Prakasam P, Noor Mohammed V, Saravanan K	Smart Garbage Monitoring and Navigation System using IoT	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278- 3075	8	11	3992	3996
135	2019	S.RAJALAKSHMI, DR. T..SHANKAR	Comparative Analysis of Different NG-PON2 Protection Types Based on FDM	JOURNAL OF COMMUNICATIONS	2374- 4367	15	1	45	57
136	2019	Budhaditya Bhattacharyya	Scalable Cyclic Prefix Based Adaptive Roll-off Factor for Phase Offset Reduction in LTE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278- 3075	8	8	1961	1969
137	2019	Malaya Kumar Hota	A DSP Technique for Prediction of Cancer Cell	IJITEE	2278- 3075	8	10	1205	1209
138	2019	S.RAJALAKSHMI, DR.T.SHANKAR	Investigation of Different Modulation Formats for Extended Reach NG-PON2 using RSOA	International Journal of Advanced Computer Science and Applications,	2158- 107X	10	12	142	149
139	2019	Rajeev Pankaj Nelapati, Sivasankaran K.	Design and Performance Analysis of Hybrid SELBOX Junctionless FinFET	Informacije Midem- Journal of Microelectronics Electronic Components and Materials	0352- 9045	49	1	23	30

140	2019	Angayarkanni S A, Sivakumar R, Ramanarao Y V	A Review on Traffic Congestion Detection Methodologies and Tools	International Journal of Advanced Science and Technology	2005-4238	28	16	1400	1414
141	2019	Deepak Kumar, V., Gokulamaanickam, B., Nandakumar, S.	Spectrum handoff by Baum-Welch algorithm for services in cognitive radio networks	International Journal of Innovative Technology and Exploring Engineering 8(12), pp. 1717-1721	2278-3075	8	12	1717	1721
142	2019	Sundar, S., Kittur, H.M.	Random ID based secure AODV to prevent black hole attack in MANET	International Journal of Innovative Technology and Exploring Engineering	2278-3075	8	12	1725	1729
143	2019	Nishanth Suresh Narayanan, Febin, Shaji, John Praseedom, Pradheep Thiyagarajan	Intelligent Parking and Power Management System Using Sensors	IEEE 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN)	00	00	00	00	00
144	2019	C. V. Ravi Kumar and Kala Praveen Bagadi	Design of MC-CDMA receiver using radial basis function network to mitigate multiple access interference and nonlinear distortion	Neural Computing and Applications	0941-0643	31	2	1263	1273
145	2019	J Mohanraj, Venugopal Velmurugan, Sivaraj Sivabalan	Tunable passively Q-switched ytterbium-doped fiber laser using MoWS ₂ /rGO nanocomposite saturable absorber	Opto-Electronics Review	1230-3402	27	1	18	24
146	2019	Jac Fredo A.R., Abilash R.S., Femi R., Mythili A., Kumar C.S.	Classification of damages in composite images using Zernike moments and support vector machines	Composites Part B: Engineering	1359-8368	168		77	86
147	2019	M. Eswar Reddy, G.	Recursive Median and Mean	Circuits, Systems, and	0278-	38	1	1	24

		Ramachandra Reddy	Partitioned One-to-One Gray Level Mapping Transformations for Image Enhancement	Signal Processing	081X				
148	2019	Nandakumar, S., Sai Bharadwaj, G.V.S., Srivastava, D.	Efficient Spectrum Handoff Using Hybrid Priority Queuing Model in Cognitive Radio Networks	Wireless Personal Communications, 108(1), pp. 203-212	1975-0102	108	1	203	212
149	2019	Natarajan Sangeetha Kalaivasan, Valarmathi Jayaraman, Bhavani Kumar Yellapragada and Sivabalan Sivaraj	Investigation on the performance of Levinson recursion algorithm based Wiener filter in gluing ground based lidar signals	Optical Engineering	181699	58	6	1	10