

**Publication (during the last five years) in Journals notified on UGC website during the last five years**

S.No	Synthesis of linear antenna array using flower pollination algorithm	Singh, Urvinder; Salgotra, Rohit	NEURAL COMPUTING & APPLICATIONS	2018	0941 - 0643
1	High-Rate STBC Communication System Using Imperfect CSI Under Time-Selective Flat-Fading Environment	Kohli, Amit Kumar; Garg, Sonali	WIRELESS PERSONAL COMMUNICATIONS	2018	0929 - 6212
2	Performance analysis of SFBC-OFDM system with channel estimation error over generalized fading channels	Singh, Daljeet; Joshi, Hem Dutt	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2018	2161 - 3915
3	A boolean spider monkey optimization based energy efficient clustering approach for WSNs	Mittal, Nitin; Singh, Urvinder; Salgotra, Rohit; Sohi, Balwinder Singh	WIRELESS NETWORKS	2018	1022 - 0038
4	A Novel Design and FPGA Implementation of Filters Adapted Using LMS Variants	Sakshi; Kumar, Ravi	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2018	0218 - 1266
5	Enhanced sensitivity with thickness optimization of ZnO based acetone sensor	Deshwal, Manish; Arora, Anil	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	2018	0019 - 5596
6	Class-AB level shifted flipped voltage follower cell using bulk-driven technique	Jindal, Caffey; Pandey, Rishikesh	IET CIRCUITS DEVICES & SYSTEMS	2018	1751 - 8598
7	Prediction of drug synergy in cancer using ensemble-based machine learning techniques	Singh, Harpreet; Rana, Prashant Singh; Singh, Urvinder	MODERN PHYSICS LETTERS B	2018	0217 - 9849
8	Image-adaptive watermarking using maximum likelihood decoder for medical images	Bhinder, Preeti; Singh, Kulbir; Jindal, Neeru	MULTIMEDIA TOOLS AND APPLICATIONS	2018	1573 - 7721
9	On-Chip Oval-Shaped Nanocavity Photonic Crystal Waveguide Biosensor for Detection of Foodborne Pathogens	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	PLASMONICS	2018	1557 - 1955

10	Bandwidth allocation and distributed relay selection for multiple-user and multiple-relay cooperative systems using Stackelberg game	Rahi, Priyanka; Sharma, Sanjay	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099 - 1131
11	New cuckoo search algorithms with enhanced exploration and exploitation properties	Salgotra, Rohit; Singh, Urvinder; Saha, Sriparna	EXPERT SYSTEMS WITH APPLICATIONS	2018	0957 - 4174
12	Clustering-based resource discovery on Internet-of-Things	Bharti, M.; Kumar, R.; Saxena, S.	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099 - 1131
13	Low-Voltage Highly Linear Floating Gate MOSFET Based Source Degenerated OTA and its Applications	Dubey, Tanmay; Pandey, Rishikesh	INFORMACIJE MIDEJ-MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS	2018	2232 - 6979
14	Performance Analysis of Different Mixed-MWCNT Structures as VLSI Interconnects for Nano-Electronics IC Design	Sandha, Karmjit Singh; Sharma, Shairy	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2018	1555 - 130X
15	Placement of optical phase conjugation in WDM systems to suppress FWM	Kaur, Jaspreet; Singh, Hardeep	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	1098 - 2760
16	An improved method for deceptive jamming against synthetic aperture radar	Joshi, Hem Dutt; Kaur, Ravneet; Singh, Ashutosh Kumar; Mishra, Amit	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2018	1759 - 0795
17	Comparative Analysis of On-Chip Optical and Copper VLSI Interconnects for Deep Sub-Micron Technology Nodes	Sandha, Karmjit Singh; Kumar, Mahesh	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2018	1555 - 130X
18	A short review on: Optimization techniques of ZnO based thin film transistors	Vyas, Sumit	CHINESE JOURNAL OF PHYSICS	2018	0577 - 9073
19	Temperature-dependent modeling and performance analysis of coupled MLG NR interconnects	Rai, Mayank Kumar; Arora, Shubham; Kaushik, B. K.	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2018	1097 - 007X
20	Block-based image fusion using multi-scale analysis to enhance depth of field and dynamic range	Chaudhary, Vishal; Kumar, Vinay	SIGNAL IMAGE AND VIDEO PROCESSING	2018	1863 - 1711

21	Zadoff-Chu Sequence Based Timing Offset Estimation for OFDM Systems	Kaushal, Yashpreet; Joshi, Hem Dutt; Singh, Ashutosh Kumar; Mishra, Amit; Gupta, Bhaskar	WIRELESS PERSONAL COMMUNICATIONS	2018	0929 - 6212
22	Network Selection in Wireless Heterogeneous Environment by C-P-F Hybrid Algorithm	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2018	0929 - 6212
23	A coalitional game-based integrated framework for optimal power allocation in multirelay cooperative environment	Lamba, Amanjot Kaur; Kumar, Ravi; Sharma, Sanjay	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2018	1099 - 1131
24	Generalized MGF based analysis of line-of-sight plus scatter fading model and its applications to MIMO-OFDM systems	Singh, Daljeet; Joshi, Hem Dutt	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2018	1434 - 8411
25	Formulation of some useful theorems for S-transform	Ranjan, Rajeev; Singh, A. K.; Jindal, Neeru	OPTIK	2018	0030 - 4026
26	Channel estimation and long-range prediction of fast fading channels for adaptive OFDM system	Kapoor, Divneet Singh; Kohli, Amit Kumar	INTERNATIONAL JOURNAL OF ELECTRONICS	2018	1362 - 3060
27	Digital image copy-move forgery detection based on discrete fractional wavelet transform	Lamba, Amanjot Kaur; Jindal, Neeru; Sharma, Sanjay	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2018	1300 - 0632
28	Estimation and mitigation of four wave mixing in wavelength division multiplexing radio over fiber system using hybrid modules	Kaur, Gurpreet; Kaler, Rajinder Singh; Rana, Ashima	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2018	1842 - 6573
29	Volumetric 3D reconstruction of real objects using voxel mapping approach in a multiple-camera environment	Jadhav, Tushar; Singh, Kulbir; Abhyankar, Aditya	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2018	1300 - 0632
30	Experiment on a highly sensitive fiber Bragg grating optical sensor to monitor strain and corrosion in civil structures	Kaur, Gurpreet; Kaler, R. S.; Kwatra, Naveen	JOURNAL OF OPTICAL TECHNOLOGY	2018	1070 - 9762

31	Performance Analysis of Optimum Combiner in Power Limited Cognitive Radios with Multiple Primary Interferers	Bindra, Kavita Vij; Khanna, Rajesh; Sharma, Surbhi	ELEKTRONIKA IR ELEKTROTECHNIKA	2018	1392 - 1215
32	Adaptive threshold method for peak detection of surface electromyography signal from around shoulder muscles	Kaur, Amanpreet; Agarwal, Ravinder; Kumar, Amod	JOURNAL OF APPLIED STATISTICS	2018	1360 - 0532
33	Forensics for partially double compressed doctored JPEG images	Singh, Gurinder; Singh, Kulbir	MULTIMEDIA TOOLS AND APPLICATIONS	2018	1573 - 7721
34	Nanohybrid optical sensor for simultaneous measurements of strain, temperature, and vibration for civil application	Kaur, Gurpreet; Kaler, Rajinder Singh	MICRO & NANO LETTERS	2018	1750 - 0443
35	phi FrMF: Fractional Fourier Matched Filter	Kumar, Sanjay; Saxena, Rajiv	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2018	1531 - 5878
36	Optimization of modified T-shape microstrip patch antenna using differential algorithm for X and ku band applications	Nitika; Khanna, Rajesh; Kaur, Jaswinder	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	1098 - 2760
37	1-D grating based SPR biosensor for the detection of lung cancer biomarkers using Vroman effect	Teotia, Pradeep Kumar; Kaler, R. S.	OPTICS COMMUNICATIONS	2018	0030 - 4018
38	Application of mutation operators to flower pollination algorithm	Salgotra, Rohit; Singh, Urvinder	EXPERT SYSTEMS WITH APPLICATIONS	2017	0957 - 4174
39	A stable energy efficient clustering protocol for wireless sensor networks	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	WIRELESS NETWORKS	2017	1022 - 0038
40	Pattern Synthesis of Linear Antenna Arrays Using Enhanced Flower Pollination Algorithm	Singh, Urvinder; Salgotra, Rohit	INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION	2017	1022 - 0038
41	Magnetoelectric properties of microwave sintered BiFeO <sub>3</sub> and Bi <sub>0.90</sub> La <sub>0.10</sub> Fe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> nanoceramics	Kolte, Jayant; Daryapurkar, A. S.; Agarwal, Mohit; Gulwade, D. D.; Gopalan, P.	MATERIALS CHEMISTRY AND PHYSICS	2017	0254 - 0584

42	A study of hydrothermally grown ZnO nanorod-based metal-semiconductor-metal UV detectors on glass substrates	Singh, Shaivalini; Kumar, Yogesh; Kumar, Hemant; Vyas, Sumit; Periasamy, Chinnamuthan; Chakrabarti, Parthasarathi; Jit, Satyabrata; Park, Si-Hyun	NANOMATERIALS AND NANOTECHNOLOGY	2017	1847 - 9804
43	Fractional Fourier Transform and Fractional-Order Calculus-Based Image Edge Detection	Kumar, Sanjay; Saxena, Rajiv; Singh, Kulbir	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2017	1531 - 5878
44	Performance investigation of suppression of four wave mixing using optical phase conjugation with different modulation format in DWDM soliton communication system	Kaur, G.; Kaler, R. S.; Singh, S.	JETP LETTERS	2017	0021 - 3640
45	Controlling the c-Si/a-Si:H interface in silicon heterojunction solar cells fabricated by HWCVD	Agarwal, Mohit; Pawar, Abhijeet; Wadibhasme, Nilesh; Dusane, Rajiv	SOLAR ENERGY	2017	0038 - 092X
46	Improved JPEG anti-forensics with better image visual quality and forensic undetectability	Singh, Gurinder; Singh, Kulbir	FORENSIC SCIENCE INTERNATIONAL	2017	0379 - 0738
47	UWB ANTENNA WITH DUAL NOTCHED BAND FOR WiMAX AND WLAN APPLICATIONS	Singh, Ajeet Pratap; Khanna, Rajesh; Singh, Hardeep	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	1098 - 2760
48	Performance analysis of spectrum sensing techniques over TWDP fading channels for CR based IoTs	Singh, Supreet; Sharma, Surbhi	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2017	1434 - 8411
49	Investigations on highly sensitive fiber Bragg gratings with different grating shapes for far field applications	Kaur, Gurpreet; Kaler, R. S.; Kwatra, Naveen	OPTIK	2017	0030 - 4026
50	Excision of Ocular Artifacts from EEG Using NVFF-RLS Adaptive Algorithm	Garg, Harish Kumar; Kohli, Amit Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2017	1531 - 5878

51	Fabrication and characterization of ZnO-based ultra-violet photoconductor and photodetector	Vyas, Sumit	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2017	1454 - 4164
52	A review and comparison of multi-view 3D reconstruction methods	Jadhav, Tushar; Singh, Kulbir; Abhyankar, Aditya	JOURNAL OF ENGINEERING RESEARCH	2017	2307 - 1877
53	Temperature-Dependent Modeling and Crosstalk Analysis in Mixed Carbon Nanotube Bundle Interconnects	Rai, Mayank Kumar; Garg, Harsh; Kaushik, B. K.	JOURNAL OF ELECTRONIC MATERIALS	2017	0361 - 5235
54	An X-shaped fractal antenna with DGS for multiband applications	Gupta, Ankush; Joshi, Hem Dutt; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759 - 0795
55	Realization of the three-qubit quantum controlled gate based on matching Hermitian generators	Gautam, Kumar; Rawat, Tarun Kumar; Parthasarathy, Harish; Sharma, Navneet; Upadhyaya, Varun	QUANTUM INFORMATION PROCESSING	2017	1570 - 0755
56	A multilayer dual wideband circularly polarized microstrip antenna with DGS for WLAN/Bluetooth/ZigBee/Wi-Max/IMT band applications	Kaur, Amanpreet; Khanna, Rajesh; Kartikeyan, Machavaram	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759 - 0795
57	Impact of tunneling conductance on the performance of multi walled carbon nanotubes as VLSI interconnects for nano-scaled technology nodes	Litoria, Prakhari; Sandha, Karmjit Singh; Kansal, Ankush	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2017	0957 - 4522
58	Label Free Chemical and Biochemical Sensing Using Photonic Crystal Waveguide at Sodium D-Line	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2017	1555 - 130X
59	Monitoring of biofilm aging in a Sphingomonas sp strain from public drinking water sites through changes in capacitance	Gulati, Parul; Singh, Pawandeep; Chatterjee, Arun Kumar; Ghosh, Moushumi	ENVIRONMENTAL TECHNOLOGY	2017	0959 - 3330

60	A GENERALIZED NON-LINEAR METHOD FOR DISTORTION CORRECTION AND TOP-DOWN VIEW CONVERSION OF FISH EYE IMAGES	Bawa, Vivek Singh; Kumar, Krishan; Kumar, Vinay	IMAGE ANALYSIS & STEREOLOGY	2017	1580 - 3139
61	Performance optimisation of RF energy harvesting relay-based interweave/underlay cognitive radio network	Singh, Supreet; Sharma, Surbhi	INTERNATIONAL JOURNAL OF ELECTRONICS	2017	1362 - 3060
62	Design of photonic crystal add-drop filters based on quasi-ring cavities	Kaur, Harkiranjeet; Kaler, Rajinder Singh; Painam, Balveer	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842 - 6573
63	Sensitivity Enhancement of Photonic Crystal Waveguide Based Sensor Using Ring Shaped Holes	Chopra, Harshita; Kaler, R. S.; Painam, Balveer	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2017	1555 - 130X
64	Power and Area Efficient Pipelined ADC Stage in Digital CMOS Technology	Singh, Anil; Agarwal, Alpana	IETE TECHNICAL REVIEW	2017	0256 - 4602
65	A cost effective bidirectional hybrid passive optical network using common carrier for all optical network units (CCAONUs) technique with mitigation of non linearity impact	Goyal, Rakesh; Kaler, Rajinder Singh; Kamal, Tara Singh	OPTIK	2017	0030 - 4026
66	All-optical NOR gate based on cross structures in 2D photonic crystal using logic NOT and OR gates	Rani, Deeksha; Kaler, Rajinder Singh; Painam, Balveer	JOURNAL OF OPTICAL TECHNOLOGY	2017	1070 - 9762
67	Performance investigation of LP modes over MMF link to boost MIMO mode division multiplexing	Gupta, R.; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842 - 6573
68	Low-power 10-bit 100MS/s pipelined ADC in digital CMOS technology	Singh, Anil; Rawat, Veena; Agarwal, Alpana	IET CIRCUITS DEVICES & SYSTEMS	2017	1751 - 8598
69	A Modified Compact Ultra Wideband Antenna with Band Rejection for WLAN Applications	Singla, Geetanjali; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212

70	Double-ring multiband microstrip patch antenna with parasitic strip structure for heterogeneous wireless communication systems	Singla, Geetanjali; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759 - 0795
71	Load Balancing Efficiency Improvement Using Hybrid Scheduling Algorithm in LTE Systems	Sonia; Khanna, Rajesh; Kumar, Neeraj	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
72	Sensing period adaptation for multiobjective optimisation in cognitive radio using Jaya algorithm	Kaur, A.; Sharma, S.; Mishra, A.	ELECTRONICS LETTERS	2017	0013 - 5194
73	Investigation on coherent optical orthogonal frequency division multiplexing using coherent detection in optical communication system	Kaur, Gurpreet; Kaler, Rajinder Singh; Randhawa, Rajneesh; Kumar, Ankit	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842 - 6573
74	Comparative analysis of 40 Gbps Duo binary and VSB modulated data using second order PMD models on first order PMD compensator	Geetika; Kaler, R. S.; Kaur, Gurpreet	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842 - 6573
75	Design and development of a stacked complementary microstrip antenna with a -shaped DGS for UWB, UNII, WLAN, WiMAX, and Radio Astronomy wireless applications	Kaur, Amanpreet; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2017	1759 - 0795
76	A FPGA based Steganographic System Implementing a Modern Steganalysis Resistant LSB Algorithm	Pathak, Kunjan; Bansal, Manu	DEFENCE SCIENCE JOURNAL	2017	0011 - 748X
77	Dynamic Node Deployment and Cross Layer Opportunistic Robust Routing for PoI Coverage Using WSNs	Karyakarte, Mandar Subhash; Tavildar, Anil Srinivas; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
78	Optimum quantum receiver for detecting weak signals in PAM communication systems	Sharma, Navneet; Rawat, Tarun Kumar; Parthasarathy, Harish; Gautam, Kumar	QUANTUM INFORMATION PROCESSING	2017	1570 - 0755



79	A Novel Cooperative Communication System Based on Multilevel Convolutional Codes	Aneja, Sakshi; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
80	Performance Analysis of Combined Space Time Block Coding with Generalized Selection Combining in Underlay Cognitive Radio	Bindra, Kavita Vij; Sharma, Surbhi; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
81	A Novel Energy Efficient Stable Clustering Approach for Wireless Sensor Networks	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
82	Multilayer with periodic grating based high performance SPR waveguide sensor	Teotia, Pradeep Kumar; Kaler, R. S.	OPTICS COMMUNICATIONS	2017	0030 - 4018
83	Performance Analysis of Scheduled TAS Cognitive Radio System with Generalized Selection Combining	Bindra, Kavita Vij; Sharma, Surbhi; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
84	Wear Behaviour of NiTi SMA Fabricated by P/M: A Taguchi Approach	Sharma, Neeraj; Khanna, Rajesh; Kumar, Vinod; Singh, Gurpreet	NANO HYBRIDS AND COMPOSITES	2017	2297 - 3400
85	A Joint SMSE Waveform Design and Blind Cyclostationary Based Sensing for Cognitive Radios	Singh, Supreet; Sharma, Surbhi	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY- TRANSACTIONS OF ELECTRICAL ENGINEERING	2017	2228 - 6179
86	Thermally-aware circuit modeling and performance analysis of single-walled carbon nanotube bundle as VLSI interconnects	Agrawal, S.; Rai, M. Kumar; Khanna, R.; Sarkar, S.	SCIENTIA IRANICA	2017	1026 - 3098
87	Photonic Crystal Waveguide Biochemical Sensor for the Approximation of Chemical Components Concentrations	Painam, Balveer; Kaler, R. S.; Kumar, Mukesh	PLASMONICS	2017	1557 - 1955
88	EMD-based steganography techniques for JPEG2000 encoded images	Kasana, Geeta; Singh, Kulbir; Bhatia, Satvinder Singh	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING	2017	1793 - 690X

89	Regional mutual information-based identification and reduction of flicker artifacts during video encoding	Kumar, Vinay	SIGNAL IMAGE AND VIDEO PROCESSING	2017	1863 - 1711
90	A DUAL BAND STACKED APERTURE COUPLED ANTENNA ARRAY FOR WLAN APPLICATIONS	Agarwal, Ayushi; Kaur, Amanpreet	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	1098 - 2760
91	A Novel Cooperative Diversity Technique Based on Multilevel Pseudo Space-Time Trellis Coding	Sharma, Sakshi Aneja; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2017	0929 - 6212
92	Photonic processing of all-optical Johnson counter using semiconductor optical amplifiers	Singh, Simranjit; Kaur, Simarpreet; Kaur, Ramandeep; Kaler, Rajinder Singh	IET OPTOELECTRONICS	2017	1751 - 8768
93	Wavelet Based Machine Learning Technique to Classify the Different Shoulder Movement of Upper Limb Amputee	Kaur, Amanpreet; Kumar, Amod; Agarwal, Ravinder	JOURNAL OF BIOMIMETICS BIOMATERIALS AND BIOMEDICAL ENGINEERING	2017	2296 - 9845
94	Generalized referenceless image quality assessment framework using texture energy measures and pattern strength features	Bagade, Jayashri; Singh, Kulbir; Dandawate, Yogesh	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2017	1300 - 0632
95	Harmony Search Algorithm Based Threshold-sensitive Energy-Efficient Clustering Protocols for WSNs	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	AD HOC & SENSOR WIRELESS NETWORKS	2017	1551 - 9899
96	Influence of Inter-Shell Distance on Propagation Delay and Power of Mwcnt Bundle at Local Interconnect	Akshi; Sandha, Karamjit Singh	JOURNAL OF ACTIVE AND PASSIVE ELECTRONIC DEVICES	2017	1555 - 0281
97	Design and performance evaluation of hybrid optical sensor	Kaur, Gurpreet; Kaler, R. S.	OPTIK	2017	0030 - 4026
98	Image compression algorithm with reduced blocking artifacts	Mittal, Kritika; Singh, Kulbir; Jindal, Neeru	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2017	1300 - 0632
99	Studies of Surface Electrical Properties of Al doped ZnO Nanorods by STM	Singh, Shaivalini; Vyas, Sumit; Chakrabarti,	MATERIALS SCIENCE-MEDZIAGOTYRA	2017	1392 - 1320

		Parthasarthi; Park, Si-Hyun			
100	Performance analysis of optical network topologies in the presence of hybrid optical amplifier	Dewra, Sanjeev; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2017	1842 - 6573
101	A Digital-Based Low-Power Fully Differential Comparator	Singh, Anil; Goel, Ayushi; Agarwal, Alpana	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2017	0218 - 1266
102	Modified Grey Wolf Optimizer for Global Engineering Optimization	Mittal, Nitin; Singh, Urvinder; Sohi, Balwinder Singh	APPLIED COMPUTATIONAL INTELLIGENCE AND SOFT COMPUTING	2016	1697 - 9724
103	Thermally aware performance analysis of single-walled carbon nanotube bundle as VLSI interconnects	Rai, Mayank Kumar; Kaushik, Brajesh Kumar; Sarkar, Sankar	JOURNAL OF COMPUTATIONAL ELECTRONICS	2016	1569 - 8025
104	A Novel Binary Spider Monkey Optimization Algorithm for Thinning of Concentric Circular Antenna Arrays	Singh, Urvinder; Salgotra, Rohit; Rattan, Munish	IETE JOURNAL OF RESEARCH	2016	0974 - 780X
105	Optimal Synthesis of Linear Antenna Arrays Using Modified Spider Monkey Optimization	Singh, Urvinder; Salgotra, Rohit	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	2016	2193 - 567X
106	Suppression of impulsive noise in OFDM system using imperfect channel state information	Bansal, Abhishek; Kohli, Amit Kumar	OPTIK	2016	0030 - 4026
107	Adaptive Filtering Techniques using Cyclic Prefix in OFDM Systems for Multipath Fading Channel Prediction	Kohli, Amit Kumar; Kapoor, Divneet Singh	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2016	1531 - 5878
108	On the optimization of fiber Bragg grating optical sensor using genetic algorithm to monitor the strain of civil structure with high sensitivity	Kaur, Gurpreet; Kaler, Rajinder Singh; Kwatra, Naveen	OPTICAL ENGINEERING	2016	0091 - 3286
109	Convolution and correlation theorems for the offset fractional Fourier transform and its application	Goel, Navdeep; Singh, Kulbir	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2016	1434 - 8411

110	BER Performance of SFBC OFDM System Over TWDP Fading Channel	Singh, Daljeet; Joshi, Hem Dutt	IEEE COMMUNICATIONS LETTERS	2016	1089 - 7798
111	Digital background calibration of charge pump based pipelined ADC	Singh, Anil; Agarwal, Alpana	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362 - 3060
112	Photonic crystal waveguide-based biosensor for detection of diseases	Chopra, Harshita; Kaler, Rajinder S.; Painam, Balveer	JOURNAL OF NANOPHOTONICS	2016	1934 - 2608
113	Exploitation of Slotted Multilayer Coatings for the Enhancement of Light Transmission and Sensitivity Through Surface Plasmon Resonance Waveguide	Teotia, Pradeep; Kaler, R. S.	JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS	2016	1555 - 130X
114	Multiplicative filtering in the linear canonical transform domain	Goel, Navdeep; Singh, Kulbir; Saxena, Rajiv; Singh, Ashutosh Kumar	IET SIGNAL PROCESSING	2016	1751 - 9675
115	Exact SER Analysis of DFrFT-Based QPSK OFDM System over Frequency Selective Rayleigh Fading Channel with CFO	Kumar, Atul; Magarini, Maurizio; Joshi, Hem Dutt; Saxena, Rajiv	JOURNAL OF COMPUTER NETWORKS AND COMMUNICATIONS	2016	2090 - 7141
116	Quaternion Domain k-Means Clustering for Improved Real Time Classification of E-Nose Data	Kumar, Ravi; Dwivedi, Ramashraya	IEEE SENSORS JOURNAL	2016	1530 - 437X
117	Active layer identification of photonic crystal waveguide biosensor chip for the detection of Escherichia coli	Painam, Balveer; Kaler, Rajinder S.; Kumar, Mukesh	OPTICAL ENGINEERING	2016	0091 - 3286
118	Performance analysis of multilayer graphene nanoribbon (MLG NR) interconnects	Rai, Mayank Kumar; Chatterjee, Ashoke Kumar; Sarkar, Sankar; Kaushik, B. K.	JOURNAL OF COMPUTATIONAL ELECTRONICS	2016	1569 - 8025
119	Un-supervised segmentation and quantisation of malignancy from breast MRI images	Ratan, Rajeev; Kohli, P. G.; Sharma, Sanjay K.; Kohli, Amit K.	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2016	1391 - 4588

120	Charge pump-based MOSFET-only 1.5-bit pipelined ADC stage in digital CMOS technology	Singh, Anil; Agarwal, Alpana	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362 - 3060
121	Semi Spiral G-shaped dual wideband Microstrip Antenna with Aperture feeding for WLAN/WiMAX/U-NII band applications	Kaur, Amanpreet	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2016	1759 - 0795
122	FPGA implementation of low complexity LDPC iterative decoder	Verma, Shivani; Sharma, Sanjay	INTERNATIONAL JOURNAL OF ELECTRONICS	2016	1362 - 3060
123	Effect of different TM modes on the sensitivity of surface plasmon resonance based optical fiber sensor	Pragya, Saxena; Teotia, Pradeep; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
124	Index insensitive micro-strain sensor based on hollow core photonic crystal fiber	Khanna, Shailly; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
125	Network selection based on available link bandwidth in multi-access networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	DIGITAL COMMUNICATIONS AND NETWORKS	2016	2352 - 8648
126	Novel Interleaver Design for Turbo Codes	Pasricha, Shivani; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2016	0929 - 6212
127	Multilevel space-time trellis coded cooperation with channel state information at transmitter	Aneja, Sakshi; Sharma, Sanjay	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2016	1099 - 1131
128	Optimal Selective Count Compatible Runlength Encoding for SOC Test Data Compression	Vohra, Harpreet; Singh, Amardeep	JOURNAL OF ELECTRONIC TESTING-THEORY AND APPLICATIONS	2016	0923 - 8174
129	Performance analysis of DWDM system with dynamic ROADM based on PLC and WSS	Dewra, Sanjeev; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
130	Performance enhancement of recycling residual pumped hybrid Raman-EDFA in bi-directional wavelength division multiplexed-passive optical network	Singh, Simranjit; Chandel, Chanakya; Kaur, Ramandeep; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573

131	Design and analysis of 2D photonic crystal wavelength routers using micro-ridge and arc waveguides	Kaur, Harkiranjeet; Kaler, R. S.; Painam, Balveer	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
132	Performance analysis of different amplifiers for polarization-dependent 10 Gbps bidirectional hybrid WDM/TDM PON with the 16-QAM technique	Goyal, Rakesh; Kaler, R. S.; Kamal, T. S.	JOURNAL OF OPTICAL TECHNOLOGY	2016	1070 - 9762
133	Block-Based High Capacity Multilevel Image Steganography	Kasana, Geeta; Singh, Kulbir; Bhatia, Satvinder Singh	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2016	0218 - 1266
134	Optimization and efficient routing scenario of system using C-band: reconfigurable multiwavelength optical cross connect based on tunable fiber Bragg grating and optical circulator	Singh, Manpreet; Dewra, Sanjeev; Kaler, Rajinder S.	OPTICAL ENGINEERING	2016	0091 - 3286
135	Analysis of SAC-OCDMA system to reduce MAI using Fiber Bragg Gratings and MDW codes	Goyal, Rakesh; Kaur, Navpreet; Kaler, Rajinder Singh; Rani, Monika	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
136	Multi-level threshold based edge detector using logical operations	Singh, Kiran Jot; Kapoor, Divneet Singh; Sharma, Anshul; Kohli, Amit Kumar	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2016	1391 - 4588
137	Gate Tunnelling Current Model for Nanoscale MOSFETs with Varying Surface Potential	Kushwaha, Madhu; Prasad, B.; Chatterjee, A. K.	IETE JOURNAL OF RESEARCH	2016	0974 - 780X
138	Performance comparison of pre-, boost-, and inline-multimode erbium-doped fiber amplifier configurations to boost mode-division multiplexed multimode fiber link	Gupta, Rajan; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2016	0091 - 3286
139	A Novel Design and Performance Analysis of High Gain Dual Band Dielectric Resonator Antenna Mounted with Horn	Batra, Deepak; Sharma, Sanjay; Kohli, Amit Kumar	WIRELESS PERSONAL COMMUNICATIONS	2016	0929 - 6212

140	Isolated dual-band meander line antenna loaded with U-slot and modified CSRR for WLAN applications	Deepak; Kaur, Jaswinder	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2016	1098 - 2760
141	Cooperative multilevel dynamic space-time trellis coding scheme for improved system performance	Aneja, Sakshi; Sharma, Sanjay	IET COMMUNICATIONS	2016	1751 - 8628
142	A novel technique for automatic retrieval of embedded text from books	Yadav, Niharika; Kumar, Vinay	OPTIK	2016	0030 - 4026
143	Optimized mitigation of impulsive noise in OFDM system using CSI	Sehrawat, Shivani; Kohli, Amit Kumar	OPTIK	2016	0030 - 4026
144	Parameter estimation and tracking of sinusoid using variable-step-size LMS algorithms	Garg, Rohit; Kohli, Amit Kumar	OPTIK	2016	0030 - 4026
145	Spectral Analysis of Generalized Triangular and Welch Window Functions using Fractional Fourier Transform	Mohindru, Pooja; Khanna, Rajesh; Bhatia, S. S.	AUTOMATIKA	2016	0005 - 1144
146	Comparative study of different optical amplifiers for hybrid passive optical networks	Goyal, Rakesh; Kaler, Rajinder Singh; Kamal, Tara Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2016	1842 - 6573
147	An efficient robust watermarking scheme for varying sized blocks	Yadav, Navneet; Singh, Kulbir	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2016	1300 - 0632
148	Multisection optical parametric-Raman hybrid amplifier for terabit plus WDM systems	Kaur, Gaganpreet; Kaur, Gurmeet; Sharma, Sanjay	JOURNAL OF MODERN OPTICS	2016	1362 - 3044
149	Implementation of spectrally-coded FBG-based coder/decoder optical CDMA network to reduce the effect of four wave mixing	Monga, Himanshu; Kaler, R. S.	OPTIK	2016	0030 - 4026
150	Analysis of BER for M-QAM and QOS Enhancement for OFDM Systems	Uppal, Sabhyata; Sharma, Sanjay; Singh, Hardeep	WIRELESS PERSONAL COMMUNICATIONS	2016	0929 - 6212
151	Performance optimization of EDFA-Raman hybrid optical amplifier using genetic algorithm	Singh, Simranjit; Kaler, R. S.	OPTICS AND LASER TECHNOLOGY	2015	0030 - 3992

152	Performance investigation of optical multicast overlay system using orthogonal modulation format	Singh, Simranjit; Singh, Sukhbir; Kaur, Ramandeep; Kaler, R. S.	OPTICS COMMUNICATIONS	2015	0030 - 4018
153	EEG Spike Detection Technique Using Output Correlation Method: A Kalman Filtering Approach	Garg, Harish Kumar; Kohli, Amit Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2015	1531 - 5878
154	Review on recent developments in hybrid optical amplifier for dense wavelength division multiplexed system	Singh, Simranjit; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2015	0091 - 3286
155	Temperature dependant crosstalk analysis in coupled single-walled carbon nanotube (SWCNT) bundle interconnects	Rai, Mayank Kumar; Sarkar, Sankar	INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	2015	1097 - 007X
156	A novel grouped multilevel dynamic space-time trellis coding scheme	Jain, Dharmvir; Sharma, Sanjay	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2015	1099 - 1131
157	Robust image-adaptive watermarking using an adjustable dynamic strength factor	Yadav, Navneet; Singh, Kulbir	SIGNAL IMAGE AND VIDEO PROCESSING	2015	1863 - 1711
158	Novel security enhancement technique against eavesdropper for OCDMA system using 2-D modulation format with code switching scheme	Singh, Simranjit; Kaur, Ramandeep; Singh, Amanvir; Kaler, R. S.	OPTICAL FIBER TECHNOLOGY	2015	0091 - 3286
159	Multiband rectangular-shaped ring antenna embedded with inverted S- and C-shaped strips for WLAN/WiMAX/UWB applications	Parkash, Davinder; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2015	1759 - 0795
160	Hydrogen Sensing Properties of Copper-Doped Zinc Oxide Thin Films	Malik, Rajesh Kumar; Khanna, Rajesh; Sharma, Ganpat Lal; Pavunny, Shojan Pullockaran; Katiyar, Ram S.	IEEE SENSORS JOURNAL	2015	1530 - 437X
161	Connectivity-based Cross-Layer Opportunistic Forwarding for MWSNs	Karyakarte, Mandar Subhash;	IETE JOURNAL OF RESEARCH	2015	0974 - 780X



		Tavildar, Anil Srinivas; Khanna, Rajesh			
162	Performance investigation of semiconductor optical amplifier and raman amplifier as an optical sensors	Kaur, Gurpreet; Kaler, R. S.; Kwatr, Naveen	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842 - 6573
163	Optimum placement of optical amplifiers in a multi-wavelength hybrid network topology	Singh, Simranjit; Singh, Gauravpreet; Kaur, Gurpreet; Kaur, Ramandeep; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842 - 6573
164	Volterra Filtering Scheme using Generalized Variable Step-size NLMS Algorithm for Nonlinear Acoustic Echo Cancellation	Rai, Amrita; Kohli, Amit Kumar	ACTA ACUSTICA UNITED WITH ACUSTICA	2015	1610 - 1928
165	All-Optical Binary Full Adder Using Logic Operations Based on the Nonlinear Properties of a Semiconductor Optical Amplifier	Kaur, Sanmukh; Kaler, Rajinder- Singh; Kamal, Tara-Singh	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2015	1226 - 4776
166	Novel Linear Decodable QO-STBC for Four Transmit Antennas with Transmit Antenna Shuffling	Sharma, Vineet; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
167	Photonic processing and realization of an all-optical digital comparator based on semiconductor optical amplifiers	Singh, Simranjit; Kaur, Ramandeep; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2015	0091 - 3286
168	Simulation of Basis Expansion Model for Channel Fading Using AR1 Process	Kapoor, Divneet Singh; Kohli, Amit Kumar	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
169	Modified CPW-fed rotated E-slot antenna for LTE/WiMAX applications	Singla, Geetanjali; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2015	1759 - 0795

170	Optimal Network Selection in Heterogeneous Wireless Environment for Multimedia Services	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
171	Weighted adaptively grouped multilevel space time trellis codes	Jain, Dharmvir; Sharma, Sanjay	INTERNATIONAL JOURNAL OF ELECTRONICS	2015	1362 - 3060
172	Quantification and Mitigation of Errors in the Inertial Measurements of Distance	Khosla, P. K.; Khanna, R.; Sood, S. P.	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2015	0970 -039
173	A new spiral frequency reconfigurable antenna with RF-MEMS switches for mobile RF front end	Chawla, Paras; Khanna, Rajesh	INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS	2015	1875 - 8800
174	A STACKED SIERPINSKI GASKET FRACTAL ANTENNA WITH A DEFECTED GROUND STRUCTURE FOR UWB/WLAN/RADIO ASTRONOMY/STM LINK APPLICATIONS	Kaur, Amanpreet; Khanna, Rajesh; Kartikeyan, Machavaram V.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2015	1098 - 2760
175	Protection and evaluation of bus and ring topologies using hybrid RAMAN-EDFA amplifier	Dewra, Sanjeev; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842 - 6573
176	Connectivity Based Energy Efficient Opportunistic Robust Routing for Mobile Wireless Sensor Networks	Karyakarte, Mandar Subhash; Tavildar, Anil Srinivas; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
177	AN ALGORITHM OF IMPAIRMENT AWARE ROUTING FOR WAVELENGTH DIVISION MULTIPLEXED OPTICAL NETWORKS	Kaur, Karamjit; Singh, Hardeep	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2015	1098 - 2760
178	Performance Analysis of Adaptively Grouped Multilevel Space-Time Trellis Coded Systems using Different Component Codes	Jain, Dharmvir; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
179	Performance analysis of optical wireless link under various atmospheric conditions using Fresnel lens technique	Sharma, A.; Kaler, R. S.	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2015	1454 - 4164
180	Design and analysis of stair-shape UWB antenna with flowery DGS	Kaur, Sukhdeep; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS	2015	1759 - 0795

			TECHNOLOGIES		
181	A novel extended edge-based compact PIFA antenna for mobile devices	Saluja, Nitin; Khanna, Rajesh	OPTIK	2015	0030 - 4026
182	Improved neural approach in maximising reliability for increasing networks	Kaushik, Baijnath; Kaur, Navdeep; Kohli, Amit Kumar	INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND ENGINEERING	2015	1741 - 7193
183	Enhanced ground bounce noise reduction in a low-leakage CMOS multiplier	Verma, Bipin Kumar; Akashe, Shyam; Sharma, Sanjay	INTERNATIONAL JOURNAL OF ELECTRONICS	2015	1362 - 3060
184	Fiber Bragg Grating Based Technique for Sensing Current	Nidhi, Tiwari, U.; Mishra, V.; Kaler, R. S.; Jain, S. C.; Singh, N.; Kapur, P.	EXPERIMENTAL TECHNIQUES	2015	0732 - 8818
185	Upper Bounds on Overloaded LDPC-Optimum Combined System Over Rayleigh Fading Channel	Sharma, Surbhi; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2015	0929 - 6212
186	High performance 8 bit cascaded carry look ahead adder with precise power consumption	Johri, Raj; Akashe, Shyam; Sharma, Sanjay	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2015	1099 - 1131
187	Performance investigation of free space optical communication system using Gaussian beam wave	Sharma, A.; Kaler, R. S.	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	2015	1454 - 4164
188	Effect of electric field on metallic SWCNT interconnects for nanoscale technologies	Kaur, Harsimran; Sandha, Karamjit Singh	JOURNAL OF SEMICONDUCTORS	2015	1674 - 4926
189	Bit error rate analysis of FrFT appended OFDM system	Kansal, Ankush; Singh, Kulbir; Saxena, Rajiv	OPTIK	2015	0030 - 4026
190	Placement of dynamic reconfigurable optical add/drop multiplexer using dynamic channel equalizer in an optical communication system	Dewra, Sanjeev; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2015	1842 - 6573

191	Novel Optical Flat-Gain Hybrid Amplifier for Dense Wavelength Division Multiplexed System	Singh, Simranjit; Kaler, R. S.	IEEE PHOTONICS TECHNOLOGY LETTERS	2014	1041 - 1135
192	Performance investigation of Raman erbium-doped fiber amplifier hybrid optical amplifier in the scenario of high-speed orthogonal-modulated signals	Singh, Simranjit; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2014	0091 - 3286
193	Network selection algorithm based on link quality parameters for heterogeneous wireless networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	OPTIK	2014	0030 - 4026
194	Particle swarm optimization based network selection in heterogeneous wireless environment	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	OPTIK	2014	0030 - 4026
195	Multiparameter optimization of a Raman fiber amplifier using a genetic algorithm for an L-band dense wavelength division multiplexed system	Singh, Simranjit; Saini, Sonak; Kaur, Gurpreet; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2014	0091 - 3286
196	All-optical circular shift register based on semiconductor optical amplifiers	Kaur, Sanmukh; Kaler, R. S.	OPTICAL AND QUANTUM ELECTRONICS	2014	0306 - 8919
197	Development of dual-band microstrip patch antenna for WLAN/MIMO/WIMAX/AMSAT/WAVE applications	Kaur, Jaswinder; Khanna, Rajesh	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098 - 2760
198	Novel dual-band multistrip monopole antenna with defected ground structure for WLAN/IMT/BLUETOOTH/WIMAX applications	Kaur, Jaswinder; Khanna, Rajesh; Kartikeyan, Machavaram	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2014	1759 - 0795
199	Adaptive Polynomial Filtering using Generalized Variable Step-Size Least Mean pth Power (LMP) Algorithm	Rai, Amrita; Kohli, Amit Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2014	1531 - 5878
200	On the Optimization of Raman Fiber Amplifier using Genetic Algorithm in the Scenario of a 64 nm 320 Channels Dense Wavelength Division Multiplexed System	Singh, Shranjit; Saini, Sonak; Knur, Gurpreet; Kaler, Rajinder Singh	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226 - 4776

201	Modified correlation theorem for the linear canonical transform with representation transformation in quantum mechanics	Goel, Navdeep; Singh, Kulbir	SIGNAL IMAGE AND VIDEO PROCESSING	2014	1863 - 1711
202	Adaptive Generator Sequence Selection in Multilevel Space-Time Trellis Codes	Jain, Dharmvir; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
203	Performance Evaluation and Characterization of Hybrid Optical Amplifiers for Dwdm Systems at Ultra Narrow Channel Spacing	Singh, Simranjit; Kaler, R. S.	JOURNAL OF RUSSIAN LASER RESEARCH	2014	1071 - 2836
204	Adaptively Grouped Multilevel Space-Time Trellis Codes	Jain, Dharmvir; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
205	Optimizing the Net Gain of a Raman-EDFA Hybrid Optical Amplifier using a Genetic Algorithm	Singh, Simranjit; Kaler, Rajinder Singh	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226 - 4776
206	Adaptively Grouped Multilevel Space-Time Trellis Codes Combined with Beamforming and Component Code Selection	Jain, Dharmvir; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
207	Crosstalk Analysis in CNT Bundle Interconnects for VLSI Application	Rai, Mayank Kumar; Khanna, Rajesh; Sarkar, Sankar	IEEJ TRANSACTIONS ON ELECTRICAL AND ELECTRONIC ENGINEERING	2014	1931 - 4981
208	Investigation on wavelength re-modulated bi-directional passive optical network for different modulation formats	Singh, Simranjit; Kapoor, Amit; Kaur, Gurpreet; Kaler, R. S.; Goyal, Rakesh	OPTIK	2014	0030 - 4026
209	Control of tube parameters on SWCNT bundle interconnect delay and power dissipation	Rai, Mayank Kumar; Khanna, Rajesh; Sarkar, Sankar	MICROELECTRONICS INTERNATIONAL	2014	1356 - 5362
210	Standard-Compliant Low-Pass Temporal Filter to Reduce the Perceived Flicker Artifact	Jimenez-Moreno, Amaya; Martinez-Enriquez, Eduardo; Kumar, Vinay; Diaz-de-Maria,	IEEE TRANSACTIONS ON MULTIMEDIA	2014	1520 - 9210

		Fernando			
211	Multiband antenna structure for heterogeneous wireless communication systems using DGS technique	Parkash, Davinder; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2014	1759 - 0795
212	Power transient and its control in Raman-erbium doped fiber amplifier hybrid optical amplifier subject to multi-channel bursty traffic	Singh, Simranjit; Kaler, R. S.	JOURNAL OF OPTICAL TECHNOLOGY	2014	1070 - 9762
213	Network Selection Based on Weight Estimation of QoS Parameters in Heterogeneous Wireless Multimedia Networks	Ahuja, Kiran; Singh, Brahmjit; Khanna, Rajesh	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
214	Optimization and Development of O-shaped Triple-band Microstrip Patch Antenna for Wireless Communication Applications	Kaur, Jaswinder; Khanna, Rajesh; Kartikeyan, M. V.	IETE JOURNAL OF RESEARCH	2014	0974 - 780X
215	Design, Analysis and Comparison of Various MEMS Switches for Reconfigurable Planar Antenna	Chawla, Paras; Khanna, Rajesh	ACTA POLYTECHNICA HUNGARICA	2014	1785 - 8860
216	Investigation of wavelength division multiplexed hybrid ring-tree-star network topology to enhance the system capacity	Singh, Simranjit; Raman; Kaler, R. S.	OPTIK	2014	0030 - 4026
217	Multistage gain-flattened hybrid optical amplifier at reduced wavelength spacing	Singh, Simranjit; Kaler, R. S.	OPTIK	2014	0030 - 4026
218	All optical SR and D flip-flop employing XGM effect in semiconductor optical amplifiers	Kaur, Sanmukh; Kaler, R. S.	OPTIK	2014	0030 - 4026
219	A novel robust logo watermarking scheme using fractional M-band wavelet transform	Singh, H.; Kaur, L.; Singh, K.	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064 - 2269
220	Image and video processing using discrete fractional transforms	Jindal, Neeru; Singh, Kulbir	SIGNAL IMAGE AND VIDEO PROCESSING	2014	1863 - 1711

221	Flat-gain characteristics of C plus L slit-band hybrid waveguide amplifier for dense wavelength division multiplexed system at reduced channel spacing	Singh, Simranjit; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842 - 6573
222	TRIPLE BAND RECTANGULAR-SHAPED MONOPOLE ANTENNA FOR WLAN/WiMAX/UWB APPLICATIONS	Parkash, Davinder; Khanna, Rajesh	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098 - 2760
223	Investigation on polarization dependent bidirectional hybrid (WDM/TDM) utilizing QAM modulation with different amplifiers	Goyal, Rakesh; Kaler, Rajinder Singh	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842 - 6573
224	Performance investigation of bidirectional Hybrid (wavelength-division multiplexing/time-division multiplexing) passive optical network	Goyal, Rakesh; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842 - 6573
225	Placements of Hybrid/conventional optical amplifiers in a multi-wavelength dense metropolitan area network	Singh, Simranjit; Kaler, R. S.	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842 - 6573
226	Parametric Analysis of a Novel Architecture of Phase Locked Loop for Communication System	Patel, Govind Singh; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
227	Fractional M-band dual tree complex wavelet transform for digital watermarking	Singh, Harpal; Kaur, Lakhwinder; Singh, Kulbir	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2014	0256 - 2499
228	5 GHz all-optical binary counter employing SOA-MZIs and an optical NOT gate	Kaur, Sanmukh; Kaler, R. S.	JOURNAL OF OPTICS	2014	0972 - 8821
229	Enhancement of sensitivity of the refractive index using ITO coating on LPG	Nidhi; Kaler, R. S.; Kapur, Pawan	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	2014	1842 - 6573
230	Realization of High Speed All-Optical Half Adder and Half Subtractor Using SOA Based Logic Gates	Singh, Simranjit; Kaler, Rajinder Singh; Kaur, Rupinder	JOURNAL OF THE OPTICAL SOCIETY OF KOREA	2014	1226 - 4776
231	ANALYTICAL INVESTIGATION ON PAPR REDUCTION IN OFDM SYSTEMS USING GOLAY CODES	Uppal, Sabhyata; Sharma, Sanjay; Singh, Hardeep	JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS	2014	1335 - 3632
232	Joint image compression-encryption using discrete fractional transforms	Jindal, N.; Singh, K.	IMAGING SCIENCE JOURNAL	2014	1368 - 2199

233	Wireless Fading Paradigm for Antenna Array Receiver for a Disk-Type Cluster of Scatterers	Singh, Surjeet; Kohli, Amit Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2014	1531 - 5878
234	Analysis of Magneto-inductive System for Rocket Sled Velocity Measurement Beyond Mach 1.5	Khosla, P. K.; Khanna, Rajesh; Sood, Sanjay P.	DEFENCE SCIENCE JOURNAL	2014	0011 - 748X
235	Parametric Analysis to Reduce Phase Noise of Frequency Synthesizers for Wireless Communication System	Patel, Govind Singh; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2014	0929 - 6212
236	Low cost architecture to integrate multiple PONs to a long reach spectrum sliced WDM network	Kaur, Komal Preet; Randhawa, Rajneesh; Kaler, R. S.	OPTIK	2014	0030 - 4026
237	Theoretical and Experimental Study of Long-Period Grating Refractive Index Sensor	Nidhi; Kaler, R. S.; Kapur, Pawan	FIBER AND INTEGRATED OPTICS	2014	1096 - 4681
238	Humidity Sensing Using Gelatin and Cobalt Chloride Coating on Indium Tin Oxide-Coated Long-Period Grating	Nidhi; Kaler, R. S.; Kapur, Pawan	FIBER AND INTEGRATED OPTICS	2014	1096 - 4681
239	Analytical Design, Simulation & Evaluation of Proposed OCDMA with Message Priority Fast Routing Codes	Monga, Himanshu; Kaler, R. S.	NATIONAL ACADEMY SCIENCE LETTERS-INDIA	2014	2250 - 1754
240	DESIGN, ANALYSIS, AND FABRICATION OF A NOVEL MULTIBAND FOLDED EDGE COMPACT SIZE FRACTAL PIFA FOR WIFI/LTE/WIMAX/WLAN APPLICATION	Saluja, Nitin; Khanna, Rajesh	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098 - 2760
241	Performance comparison of proposed 3-d coherent spatial-phase-time coding/decoding with super structured fiber Bragg grating-based optical CDMA systems	Monga, H.; Kaler, R. S.	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064 - 2269
242	Investigating wavelength allocation and suitable modulation format for 2-d wavelength/time and 3-d wavelength/time/space codes in order to enhance system performance	Monga, H.; Kaler, R. S.	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064 - 2269
243	Performance evaluation of optical code division multiple access systems	Monga, H.; Kaler, R. S.	JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	2014	1064 - 2269



244	Design and fabrication of a novel hexagonal reconfigurable antenna with RF switches for mobile terminal	Chawla, P.; Khanna, R.	JOURNAL OF THE NATIONAL SCIENCE FOUNDATION OF SRI LANKA	2014	1391 - 4588
245	Field Programmable Gate Arrays-Nanotechnology Based Analysis, Design and Implementation of All-Digital Phase Locked Loop	Patel, Govind Singh; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546 - 1955
246	Development of dual-band microstrip patch antenna for WLAN/MIMO/WiMAX/AMSAT/WAVE applications (vol 56, pg 988, 2014)	Kaur, Jaswinder	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2014	1098 - 2760
247	SPECTRALLY EFFICIENT 3D OPTICAL CDMA USING COHERENT SPATIAL PHASE-TIME CODING/DECODING	Monga, Himanshu; Kaler, R. S.	JOURNAL OF RUSSIAN LASER RESEARCH	2014	1071 - 2836
248	Substrate Coupling of RF CMOS on Lightly Doped Substrate for Nanoscale Mixed-Signal Design	Singh, Pawan Kumar; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546 - 1955
249	A Dynamic Response, Transformed Cluster Analysis and Radial Basis Function Neural Network Based Gases/Odors Identification Approach Using a Thick Film Gas Sensor Array	Sunny; Kumar, Ravi; Mishra, V. N.; Das, R. R.	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2014	1546 - 1955
250	PREDICTING THE JITTER OF PLL-DLL BASED FREQUENCY SYNTHESIZERS	Patel, Govind S.; Sharma, S.	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING	2014	1793 - 690X
251	Multi parameter optimization of Raman Fiber Amplifier using genetic algorithm for S band dense wavelength division multiplexed system	Singh, Simranjit; Saini, Sonak; Kaler, R. S.; Kaur, Ramandeep	OPTIK	2014	0030 - 4026
252	Performance analysis of WDM-PON architecture using different receiver filters	Kaur, Komal Preet; Randhawa, Rajneesh; Kaler, R. S.	OPTIK	2014	0030 - 4026
253	Linear Power Division Approximation for Stimulated Raman Scattering	Sobti, Lokesh; Arora, Vaibhav; Singh, Hardeep	FIBER AND INTEGRATED OPTICS	2014	1096 - 4681

254	Flat-Gain L-Band Raman-EDFA Hybrid Optical Amplifier for Dense Wavelength Division Multiplexed System	Singh, Simranjit; Kaler, R. S.	IEEE PHOTONICS TECHNOLOGY LETTERS	2013	1041 - 1135
255	Numeric Variable Forgetting Factor RLS Algorithm for Second-Order Volterra Filtering	Kohli, Amit Kumar; Rai, Amrita	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2013	1531 - 5878
256	Investigation of hybrid optical amplifiers with different modulation formats for DWDM optical communication system	Singh, Simranjit; Kaler, R. S.	OPTIK	2013	0030 - 4026
257	Influence of the word length and input power on nonlinear crosstalk induced by hybrid optical amplifiers	Singh, Simranjit; Kaler, R. S.	OPTICAL FIBER TECHNOLOGY	2013	1068 - 5200
258	Influence of distance between adjacent tubes on SWCNT bundle interconnect delay and power dissipation	Rai, Mayank Kumar; Sarkar, Sankar	JOURNAL OF COMPUTATIONAL ELECTRONICS	2013	1569 - 8025
259	Performance evaluation of hybrid optical amplifier for high-speed differential phase-shift keying-modulated optical signals	Singh, Simranjit; Kaler, Rajinder Singh	OPTICAL ENGINEERING	2013	1068 - 5200
260	High density and low leakage current based SRAM cell using 45nm technology	Akashe, Shyam; Sharma, Sanjay	INTERNATIONAL JOURNAL OF ELECTRONICS	2013	1362 - 3060
261	Simulative analysis of integrated DWDM and MIMO-OFDM system with OADM	Bhatia, Kamaljit Singh; Kaler, R. S.; Kamal, T. S.; Randhawa, Rajneesh	OPTIK	2013	0030 - 4026
262	Impact of Topography on Accuracy of Land Cover Spectral Change Vector Analysis Using AWiFS in Western Himalaya	Sharma, J. K.; Mishra, V. D.; Khanna, R.	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	2013	0974 - 3006
263	Performance evaluation of optical amplifier for 16 x 10, 32 x 10 and 64 x 10 Gbps WDM system	Kaur, Ramandeep; Randhawa, Rajneesh; Kaler, R. S.	OPTIK	2013	0030 - 4026
264	Investigation of OBS assembly technique based on various scheduling techniques for maximizing throughput	Gupta, Amit; Kaler, R. S.; Singh, Harbhajan	OPTIK	2013	0030 - 4026
265	Optimization of hybrid Raman/erbium-doped fiber amplifier for multi terabits WDM system	Kaler, R. S.	OPTIK	2013	0030 - 4026

266	Investigation of four wave mixing effect with different number of input channels at various channel spacing	Monika; Wason, Arnit; Kaler, R. S.	OPTIK	2013	0030 - 4026
267	Simulation of fiber to the home triple play services at 2 Gbit/s using GE-PON architecture for 56 ONUs	Kocher, Deeksha; Kaler, R. S.; Randhawa, Rajneesh	OPTIK	2013	0030 - 4026
268	Performance analysis of optical network based on optical add drop multiplexers with different MZI techniques	Dewra, Sanjeev; Kaler, R. S.	OPTIK	2013	0030 - 4026
269	Analysis of Dirichlet, Generalized Hamming and Triangular window functions in the linear canonical transform domain	Goel, Navdeep; Singh, Kulbir	SIGNAL IMAGE AND VIDEO PROCESSING	2013	1863 - 1711
270	An inimitable scheduling technique for optical burst switched networks	Gupta, Amit; Kaler, R. S.; Singh, Harbhajan	OPTIK	2013	0030 - 4026
271	Design analysis and fabrication of novel coplanar waveguide -fed hybrid fractal-based Broadband antenna	Saluja, Nitin; Khanna, Rajesh	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2013	1759 - 0795
272	Leakage Current Reduction Techniques for 7T SRAM Cell in 45 nm Technology	Akashe, Shyam; Sharma, Sanjay	WIRELESS PERSONAL COMMUNICATIONS	2013	0929 - 6212
273	Analytical Parametric Modeling of Nanoscale Surrounding Gate MOSFET Based on the Poisson's Equation	Singh, Pawan Kumar; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546 - 1955
274	Comparison of pre-, post- and symmetrical compensation for 96 channel DWDM system using PDCF and PSMF	Singh, Simranjit; Kaler, R. S.	OPTIK	2013	0030 - 4026
275	Long Period Fiber Grating Humidity Sensor With Gelatin/Cobalt Chloride Coating	Nidhi; Tiwari, Umesh; Panwar, Nishtha; Kaler, Rajinder Singh; Bhatnagar, Randhir; Kapur, Pawan	IEEE SENSORS JOURNAL	2013	1530 - 437X
276	Achieving maximum reliability in fault tolerant network design for variable networks	Kaushik, B.; Kaur, N.; Kohli, A. K.	APPLIED SOFT COMPUTING	2013	1568 - 4946

277	Novel anti-jamming technique for OCDMA network through FWM in SOA based wavelength converter	Jyoti, Vishav; Kaler, R. S.	OPTICAL FIBER TECHNOLOGY	2013	1068 - 5200
278	Reducing Leakage Power for SRAM Design Using Sleep Transistor	Khandelwal, S.; Akashe, S.; Sharma, S.	ACTA PHYSICA POLONICA A	2013	1610 - 1928
279	50 km bidirectional FTTH transmission comparing different PON standards	Kocher, Deeksha; Kaler, R. S.; Randhawa, Rajneesh	OPTIK	2013	0030 - 4026
280	Hybrid optical amplifiers for 64 x 10 Gb ps dense wavelength division multiplexed system	Singh, Simranjit; Kaler, R. S.	OPTIK	2013	0030 - 4026
281	Crosstalk analysis in an optical network based on optical cross connects with different MZI techniques	Dewra, Sanjeev; Kaler, R. S.	OPTIK	2013	0030 - 4026
282	Performance evaluation of an optical network based on optical cross add drop multiplexer	Dewra, Sanjeev; Kaler, R. S.	JOURNAL OF OPTICAL TECHNOLOGY	2013	1070 - 9762
283	All Optical Wavelength Conversion Based on Cross Polarization Modulation in Semiconductor Optical Amplifier	Singh, Surinder; Ye, Xiaohua; Kaler, R. S.	JOURNAL OF LIGHTWAVE TECHNOLOGY	2013	0733 - 8724
284	Blocking probability of algorithms for different wavelength assignment in optical ring network	Singal, Anuj; Kaler, R. S.	OPTIK	2013	0030 - 4026
285	Read Write Stability of Dual-Vt 7T SRAM Cell at 45 nm Technology	Akashe, Shyam; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546 - 1955
286	Performance comparison of quadrature amplitude modulation (QAM)-based single- and double-stage digital interpolators	Ratan, Rajeev; Sharma, Sanjay; Kohli, Amit K.	INTERNATIONAL JOURNAL OF ELECTRONICS	2013	1362 - 3060
287	Gain Adapted Optimum Mixture Estimation Scheme for Single Channel Speech Separation	Kapoor, Divneet Singh; Kohli, Amit Kumar	CIRCUITS SYSTEMS AND SIGNAL PROCESSING	2013	1531 - 5878
288	Performance evaluation of optical add drop multiplexers with Mach-Zehnder interferometer techniques for dense wavelength division multiplexed system	Dewra, Sanjeev; Kaler, R. S.	JOURNAL OF OPTICAL TECHNOLOGY	2013	1070 - 9762
289	Design Trade-Offs for Nanoscale Process and Material Parameters on 7T SRAM Cell	Akashe, Shyam; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546 - 1955

290	Game Theoretic Pattern Analysis for Identification of Odors/Gases Using Response of a Poorly Selective Sensor Array	Kumar, Ravi	IEEE SENSORS JOURNAL	2013	1530 - 437X
291	Implementation and performance analysis of three dimensional (3D) space/wavelength/time single pulse per plane codes with direct detection	Garg, Minal; Kaler, R. S.	OPTIK	2013	0030 - 4026
292	Low-Voltage FGMOS Based Voltage-to-Current Converter	Pandey, Rishikesh; Gupta, Maneesha	INFORMACIJE MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS	2013	2232 - 6979
293	Analysis of FRFT Based MMSE Receiver for MIMO Systems	Singh, Simranjit; Khanna, Rajesh; Patterh, Manjeet Singh	WIRELESS PERSONAL COMMUNICATIONS	2013	0929 - 6212
294	Designing of Farrow Structure Based Interpolators on Nanometer Based Field Programmable Gate Arrays Technology	Ratan, Rajeev; Sharma, Sanjay; Kohli, Amit K.	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546 - 1955
295	IMAGE RETRIEVAL ALGORITHM BASED ON DISCRETE FRACTIONAL TRANSFORMS	Jindal, Neeru; Singh, Kulbir	JOURNAL OF ELECTRICAL ENGINEERING- ELEKTROTECHNICKY CASOPIS	2013	1335 - 3632
296	Modeling of a Power Amplifier for Digital Pre-distortion Applications using Simplified Complex Memory Polynomial	Pasricha, Ruchi; Sharma, Sanjay	APPLIED MATHEMATICS & INFORMATION SCIENCES	2013	2325 - 0399
297	Design of SRAM Cell Based Memory Array in Nano-Scaled Technology	Akashe, Shyam; Sharma, Sanjay	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2013	1546 - 1955
298	Performance Comparison of QPSK Based Single and Double Stage Digital Interpolators	Ratan, R.; Sharma, S.; Kohli, A. K.	ACTA PHYSICA POLONICA A	2013	1610 - 1928
299	Efficient Implementation of Multistage Digital Interpolators Using Half Band Filters	Ratan, R.; Sharma, S.; Kohli, A. K.	ACTA PHYSICA POLONICA A	2013	1610 - 1928
300	Improved Fractional Channel Estimation for MIMO Systems in the Low SNR Regime	Singh, Simranjit; Khanna, Rajesh; Patterh,	ELEKTRONIKA IR ELEKTROTECHNIKA	2013	1392 - 1215

		Manjeet Singh			
301	Performance of RZ and NRZ modulation-Format in 40-160 Gb/s OTDM system demultiplexing	Kaur, Sanmukh; Kaler, R. S.	OPTIK	2013	0030 - 4026
302	QoS provisioning by novel parallel LSP based routing/signaling protocol in GMPLS network	Oberoi, Anshu; Sohal, J. S.; Kaler, R. S.	OPTIK	2013	0030 - 4026
303	Analysis of impact of control-plane on an efficient switching paradigm: OBS of IP/WDM networks	Oberoi, Anshu; Sohal, J. S.; Kaler, R. S.	OPTIK	2013	0030 - 4026
304	Performance evaluation of algorithms for wavelength assignment in optical ring network	Randhawa, Rajneesh; Kaler, R. S.; Singal, Anuj	OPTIK	2013	0030 - 4026