#	Authors	Title of the Publications	Details of the Journal	Mention whether it belongs to Scopus/SCI	Volume	Page Nos.	Impact Factor	
				2022 Publications				
1	**R. Mohanty,** N. K. Sahu and A. K. Pradhan	Time-Domain Techniques for Line Protection using Three-Dimensional Cartesian Coordinates	IEEE Transactions on Power Delivery DOI: 10.1109/TPWRD.2021.3135897	SCI	Avaiable in early access		4.131	
2	A Caines, A Ghosh, **A Bhattacharjee**, A Feldman	The Grid Independence of an Electric Vehicle Charging Station with Solar and Storage	Electronics, https://doi.org/10.3390/electronics10232940	SCI	10	2094	2.397	
3	Prasanth K Enaganti, **Ankur Bhattacharjee***, Aritra Ghosh, Yusuf N Chanchangi, Chanchal Chakraborty, Tapas K Mallick, Sanket Goel	Experimental Investigations for Dust build-up on Low-Iron Glass exterior and its effects on the performance of Solar PV systems	Energy, Elsevier	SCI	239(C)	122213	7.147	
4	Prakash Rewatkar and Sanket Goel	Shewanella putrefaciens Powered Microfluidic Microbial Fuel Cell with Printed Circuit Board Electrodes and Soft-lithographic Microchannel	Chemosphere	SCI	286	131855	7.086	
5	Pavar Sai Kumar, Sunul Bhand, Ashis Das and Sanket Goel	Microfluidic Paper Device with On-Site Heating to Produce Reactive Peroxide Species for Enhanced Smartphone Enabled Chemiluminescence Signal	Talanta	SCI	236	122258	6.057	
6	**Mithun Mondal** and Jose Ramos	Estimation of Humidity Sensor Equivalent Circuit Parameters Utilizing Frequency Response Measurements Combined with Subspace Identification and Similarity Transformations	IEEE Transactions on Instrumentation and Measurement	SCI	Accepted		4.016	
7	Amar Kumar Verma, Pallav Devang Raval, Neha Rajagopalan, Vaishnavi Khariya, **Sudha Radhika**	Development of an AI-based FSA for real-time condition monitoring for industrial machine	Neural Computing and Applications	SCI, Q1	Accepted		5.606	
8	RY Rajesh, RY Rakesh, **Rajesh Kumar Tripathy**, Lingareddy C	Radio Frequency Spectrum Sensing by Automatic Modulation Classification in Cognitive Radio System using Multiscale Deep CNN	IEEE Sensors Journal	SCI	Accepted	1-13	3.3	
9	Phattarapong Sawangjai, Manatsanan Trakulruangroj, Chiraphat Boonnag, Maytus Piriyajitakonkij, **Rajesh Kumar Tripathy**, Thapanun Sudhawiyangkul, and Theerawit Wilaiprasitporn	EEGANet: Removal of Ocular Artifact from the EEG Signal Using Generative Adversarial Networks	IEEE Journal of Biomedical and Health Informatics	SCI	Accepted		5.77	
10	SusmitaRoy, Sankalp Koduvayur Ganeshan, **Subhradeep Pal**, Chanchal Chakraborty	Targeted enhancement of electrochromic memory in Fe(II) based metallo-supramolecular polymer using molybdenum disulfide quantum dots	Solar Energy Materials and Solar Cells	SCI	236	111487	7.267	
11	Manish Bhaiyya, Madhusudan B. Kulkarni, Prasant Kumar Pattnaik and Sanket Goel	IoT Enabled PMT and Smartphone based Electrochemiluminescence Platform to Detect Choline and Dopamine Using 3D-Printed Closed Bipolar Electrodes	Luminescence: The Journal of Biological and Chemical Luminescence	SCI	Accepted	Accepted	2.464	
12	Mrunali Dnyaneshwar Wagh, Subhendu Kumar Sahoo and Sanket Goel	Laser-Induced Graphene Ablated Polymeric Microfluidic Device with Interdigital Electrodes for Taste Sensing Application	Sensors and Actuators: A. Physical	SCI	Accepted	Accepted	3.407	
13	Prakash Rewatkar, Dipankar Nath, Pavar Sai Kumar, Matthew E. Suss and Sanket Goel	Internet of Things Enabled Environmental Condition Monitoring Driven by Laser Ablated Reduced Graphene Oxide based Al-Air Fuel Cell, (accepted).	Journal of Power Sources	SCI	Accepted	Accepted	9.127	
14	Jaligam Murali Mohan, Khairunnisa Amreen, Arshad Javed, Satish Kumar Dubey and Sanket Goel	Emerging Trends in Miniaturized and Microfluidic Electrochemical Sensing Platforms	Current Opinion in Electrochemistry	SCI	Accepted	Accepted	7.271	
15	Prasanth K. Enaganti, Suraj Soman, Sabu S Devan, Sourava Chandra Pradhan, Alok Kumar Srivastava, Joshua M. Pearce and Sanket Goel	Dye Sensitized Solar Cells as Promising Candidates for Underwater Photovoltaic Applications	Progress in Photovoltaics (accepted)	SCI	Accepted	Accepted	7.953	
16	Shaswati Dash, **Rajesh Kumar Tripathy**, Ganapati Panda, Ram Bilas Pachori	Automated Recognition of Imagined Commands from EEG Signals using Multivariate Fast and Adaptive Empirical Mode Decomposition based Method	IEEE Sensors Letters	SCI	Accepted	Accepted	3.301	
17	Prakash Rewatkar and Sanket Goel	Corrections to "Paper-Based Membraneless Co-Laminar Microfluidic Glucose Biofuel Cell With MWCNT-Fed Bucky Paper Bioelectrodes"	IEEE Transactions on NanoBioscience	SCI	21(1)	166	2.953	
18	Avinash Kothuru and Sanket Goel	Leveraging 3D printer with 2.8 W Blue Laser Diode to Form Laser-Induced Graphene for Microfluidic Fuel cell and Electrochemical Sensor	IEEE Transactions on Electron Devices	SCI	Accepted	Accepted	2.917	
19	Jagadheesh Samala, P. Veda Bhanu, **Soumya J.**	NoC Application Mapping Optimization using Reinforcement Learning	ACM Transactions on Design Automation of Electronic Systems	SCI	Accepted		1.34	
20	Mukesh Kumar, Poonam Kumari and **Parikshit Sahatiya**	P(VDF-TrFE)/ZnO nanofiber composite based piezoelectric nanogenerator as self-powered sensor: fabrication and characterization	Journal of Polymer Research	SCI	Accepted		3.097	
21	Naveen Bokka, Vivek Adepu and Parikshit Sahatiya	Sublimation of MXene/Camphor device: A study on Dry Transency	RSC Materials Advances	New Journal of RSC			NA	

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22	Mary Salve, Khairunnisa Amreen, Prasant Kumar Pattnaik and Sanket Goel	Carbon Cloth based Electrochemical Device for Specific and Sensitive Detection of Ascorbic Acid and Tryptophan	IEEE Sensors Journal	SCI	Accepted	Accepted	3.301	
23	Shreeya Rane, Avinash Kothuru, Arun Jana, Koijam Monika Devi, Sanket Goel, Shriganesh Prabhu, Dibakar Roy Chowdhury	Broadband Terahertz characterization of Graphene Oxide films fabricated on flexible substrates	Optical Materials	SCI	Accepted	Accepted	3.08	
24	Manish Bhaiyya, Prasant Kumar Pattnaik and Sanket Goel	Multiplexed and Simultaneous Biosensing in a 3D-Printed Portable Six-Well Smartphone Operated Electrochemiluminescence Standalone Point-of-Care Platform	Microchimica Acta	SCI	Accepted	Accepted	5.833	
25	Naveen Bokka, Vivek Adepu, Aditya Tiwari, Sayan Kanungo and Parikshit Sahatiya	A Detailed Comparative Performance Analysis of the Transition Metal Di-chalcogenides (TMDs) based Strain Sensors through Experimental Realisations and First Principle Calculations	FlatChem	SCI	Accepted	Accepted	5.22	
	2021 Publications							
1	R. Mohanty, P. Chen and Le A. Tuan	Protection of Converter Dominated MV Microgrid using Changes in Current's Phase Angle	IET Generation, Transmission & Distribution https://ietresearch.onlinelibrary.wiley.com/doi/epdf/10.1049/gtd2.12317		Accepted (Online)	1-13	2.995	
2	Wankhede Pankaj, Sriram Kodeya, Kurra Suresha, **Sudha Radhika**	A low cost surface strain measurement system using image processing for sheet metal forming applications	Measurements, Elsevier (Accepted)	SCI, Q1			3.927	
3	S. Jena, **R. Mohanty,** and A. K. Pradhan	A Traveling Wave Based Method for Protection of Shunt Capacitor Bank	IEEE Transactions on Power Delivery https://ieeexplore.ieee.org/document/9537689		Available in Early Access , Sept. 2021	Available in Early Access, Sept. 2021	4.131	
4	Hiranmay Samanta, Abhijit Das, Indrajit Bose, Joydip Jana, **Ankur Bhattacharjee***, Konika Das Bhattacharya, Samarjit Sengupta, Hiranmay Saha	Field Validated Communication Systems for Smart Microgrid Energy Management in a Rural Microgrid Cluster	Energies, Accepted (in press)	SCI	Will be updated once it comes online	-	3.004	
5	**Tejas Radhakrishnan, Jay Karhade, SK Ghosh**, PR Mudali, **RK Tripathy***, UR Acharya	AFCNNet: Automated detection of AF using Chirplet transform and Deep Convolutional Bidirectional Long Short	Computers in Biology and Medicine, Elsevier (Accepted)		Just Accepted	Just Accepted	4.58	
6	**Ramakant Yadav, Surya Shankar Dan, and Simhadri Hariprasad**	Low and High Vt GOTFET Devices Outperform Standard CMOS Technology in Ternary Logic Applications	IETE Technical Review (https://doi.org/10.1080/02564602.2021.1960903)				2.2	
7	**Amar Kumar Verma,** Inturi Vamsi, Prerna Saurabh, **Radhika Sudha,** Sabareesh G.R., Rajkumar S	Wavelet and deep learning-based detection of SARS-nCoV from thoracic X-ray images for rapid and efficient testing	Expert Systems with Applications, Vol 185, 2021, https://doi.org/10.1016/j.eswa.2021.115650		185	Early Access	6.954	
8	**Amar Kumar Verma, Sudha Radhika**	Multi-Level Stator Winding Failure Analysis on the Insulation Material for Industrial Induction Motor	Experimental Techniques, Springer Nature, https://doi.org/10.1007/s40799-021-00490-0		Early Access	Early Access	1.167	
9	**Ankur Bhattacharjee***, Hiranmay Samanta, Aritra Ghosh, Tapas K Mallick, Samarjit Sengupta, Hiranmay Saha	Optimized integration of Hybrid Renewable Sources with long life Battery Energy Storage in Microgrids for peak power shaving and demand side management under different Tariff scenario	Energy Technology, Wiley, 2021 https://doi.org/10.1002/ente.202100199	SCI	Early Access	Early Access	3.631	
10	**Abhay S Vidhyadharan, Sanjay Vidhyadharanan**	Memristor–CMOS hybrid ultra-low-power high-speed multivibrators	Analog Integrated Circuits and Signal Processing, 2021, DOI: 10.1007/s10470-021-01856-5.					
11	Abhay S Vidhyadharan, **Sanjay Vidhyadharanan**	Mux Based Ultra-Low-Power Ternary Adders and Multiplier implemented with CNFET and 45 nm MOSFETs	International Journal of Electronics, 2021, doi = 10.1080/00207217.2021.1908616,					
12	Abhay S Vidhyadharan, **Sanjay Vidhyadharanan**	A novel ultra-low-power CNTFET and 45 nm CMOS based ternary SRAM,	Microelectronics Journal, Volume 111, 2021					
13	Abhay S Vidhyadharan, **Sanjay Vidhyadharanan**	Improved hetero-junction TFET-based Schmitt trigger designs for ultra-low-voltage VLSI applications	World Journal of Engineering. https://doi.org/10.1108/WJE-08-2020-0367					
14	**Simhadri Hariprasad, Surya Shankar Dan, Ramakant Yadav and Ashutosh Mishra**	Double-Gate Line-Tunneling FET (DGLTFET) Devices for Superior Analog Performance	Wiley International Journal on Circuits Theory and Applications, Mar 2021 (https://doi.org/10.1002/cta.3002)					
15	**Sanjay Vidhyadharan and Surya Shankar Dan**	An Efficient Ultra-Low Power and Superior Performance Design of Ternary Half Adder Using CNFET and Gate-Overlap TFET Devices	IEEE Transactions on Nanotechnology, Feb 2021 (https://doi.org/10.1109/TNANO.2020.3049087)					
16	Abhay S Vidhyadharan, **Sanjay Vidhyadharanan**	An ultra-low-power CNFET based dual VDD ternary dynamic Half Adder,	Microelectronics Journal, Volume 107, 2021, 104961, ISSN 0026-2692,					
17	Abhay S Vidhyadharan, K Bha, **Sanjay Vidhyadharanan**	CNFET-Based Ultra-Low-Power Dual-VDD Ternary Half Adder	Springer Circuits, Systems, and Signal Processing. https://link.springer.com/article/10.1007/s00034-021-01664-2					
18	Abhay S Vidhyadharan, **Sanjay Vidhyadharanan**	An Ultra-Low-Power CNFET based Improved Schmitt Trigger Design for VLSI Sensor Applications	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields.					
19	**Venkatarao Selamneni, Harini R,** Arnab Hazra **and Parikshit Sahatiya**	MoS2/paper Decorated with Metal Nanoparticles (Au, Pt and Pd) Based Plasmonic-Enhanced Broadband (Visible-NIR) Flexible Photodetectors	Advanced Materials Interfaces (Accepted)		8	2001988	6.147	
20	**P. Veda Bhanu and Soumya J**	Fault-Tolerant Application Mapping on Mesh-of-Tree based Network-on-Chip	Journal of Systems Architecture (Accepted); **DoI:** https://doi.org/10.1016/j.sysarc.2021.102026		116	102026	3.77	
21	Sushmitha V, **Parikshit Sahatiya** and Sushmee Badhulika	Papertronics: Hand written MoS2 on paper based highly sensitive and recoverable pressure and strain sensors	IEEE Sensors Journals (Accepted)		21	8943-8949	3.331	

#	Authors	Title	Publication	Vol	Pages	IF
22	**Subhradeep Pal**, Abhishek Kumar, Sumanta Gupta	PAM-4 Generation Using an Electrostatic Doping Aided Single Silicon Microring Modulator Driven by Two Binary Electrical Signals	Optik, Volume 231, April 2021, 166373, DOI: 10.1016/j.ijleo.2021.166373	231	166373	2.443
23	**Naveen Bokka, Vivek Adepu, Venkatarao Selamneni and Parikshit Sahatiya**	Non-contact, Controlled and Moisture Triggered Black Phosphorus Quantum Dots/PVA Film for Transient Electronics Applications	Materials Letters (Accepted)	290	129477	3.019
24	**Dipankar Nath, Sarala Kallepalli**, Lanka Tata Rao, Satish K Dubey, Arshad Javed and **Sanket Goel**	Microfluidic Paper Microbial Fuel Cell Powered by Shewanella putrefaciens in IoT Cloud Framework	International Journal of Hydrogen Energy	46	3230-3239	5.816
25	**Jayapiriya U S, Prakash Rewatkar and Sanket Goel**	Miniaturized Polymeric Enzymatic Biofuel Cell with Integrated Microfluidic Device and Enhanced Laser Ablated Bioelectrodes	International Journal of Hydrogen Energy	46	3183-3192	5.816
26	Lanka Tata Rao, Arshad Javed, Satish Kumar Dubey and **Sanket Goel**	Parametric Performance Investigation on Membraneless Microfluidic Paper Fuel Cell with Graphite Composed Pencil Stoke Electrodes	International Journal of Precision Engineering and Manufacturing	22	177-187	2.216
27	Neha Dabholkar, Srividya Gorantla, Tejashree Waghule, Vamshi Krishna Rapalli, **Avinash Kothuru, Sanket Goel** and Gauram Singhvi	Biodegradable Microneedles using Natural Polymers: Revolutionary Approach for Transdermal Drug Delivery	International Journal of Biological Macromolecules	170	602-621	6.953
28	**Khairunnisa Amreen, Mary Salve and Sanket Goel**	Crude black pepper phytochemical 3D Printed Cell based Miniaturized Hydrazine Electrochemical Sensing Platform	Journal of Electroanalytical Chemistry	880	114761	4.464
29	Jaligam Murali Mohan, **Khairunnisa Amreen**, Arshad Javed, Satish Kumar Dubey and **Sanket Goel**	Miniaturized PMMA Electrochemical Platform With Carbon Fiber for Multiplexed and Noninterfering Biosensing of Real Samples	IEEE Transactions on Electron Devices	68	769 - 774	2.917
30	**Puneeth SB**, Hithesh HL and **Sanket Goel**	ElectroMicrofluidic Viscometer with Integrated Microcontroller and Pumping-System for Point-of-Care Biosensing Applications	IEEE Instrumentation and Measurement Magazine	24	23 - 28	1.505
31	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed, and **Sanket Goel**	Metal-free Al-Air Microfluidic Paper Fuel Cell to Power Portable Electronic Devices	International Journal of Energy Research	45	7070-7081	5.164
32	**Khairunnisa Amreen and Sanket Goel**	Review—Miniaturized and Microfluidic Devices for Automated Nanoparticle Synthesis	ECS Journal of Solid State Science and Technology, vol. 10(1), 01002, 2021.	10	10002	2.07
33	Prasanth K. Enaganti, Prabhat K. Dwivedi, Alok K. Srivastava, and **Sanket Goel**	Underwater Analysis of Solar Photovoltaic Cells with Filtered Solar Spectrum	2020 47th IEEE Photovoltaic Specialists Conference (PVSC), Calgary, pp. 2219-2223, 2020.			
34	Akhil Raj Baranwal, Sohan Dudala, **Prakash Rewatkar**, Jaligam Murali Mohan, **Mary Salve and Sanket Goel**	Development of Completely Automated Poly Potential Portable Potentiostat	ECS Journal of Solid State Science and Technology, vol. 10(2), 027001, 2021.	10	27001	2.07
35	**Madhusudan B Kulkarni, Prasanth K Enaganti, Khairunnisa Amreen and Sanket Goel**	Integrated Temperature Controlling Platform to Synthesize ZnO Nanoparticles and its Deposition on Al-Foil for Biosensing	IEEE Sensors Journal	21	9538 - 9545	3.331
36	**Prakash Rewatkar and Sanket Goel**	Catalyst-mitigated Arrayed Aluminum-Air Origami Fuel Cell with Ink-jet Printed Custom-Porosity Cathode	Energy (Elsevier)	224	120017	7.147
37	**Puneeth S B and Sanket Goel**	Handheld and 'Turnkey' 3D Printed Paper-Microfluidic Viscometer with on-board Microcontroller for Smartphone based Biosensing Applications	Analytica Chimica Acta	115	338303	6.558
38	**Venkatarao Selamneni, Sayan Kanungo and Parikshit Sahatiya**	Large area growth of SnS2/Graphene on cellulose paper as a flexible broadband photodetector and investigating the band structure through First Principle Calculations	RSC Materials Advances (Accepted)	2	2373-2381	-
39	**Naveen Bokka, Sanakalp KG and Parikshit Sahatiya**	Large Area Deposition of Janus MoS2xSe2(x-1) on Paper as a Multifunctional Electromechanical Sensor for Versatile Physiological Signal Monitoring	IOP Flexible and Printed Electronics (Accepted)	6	15011	-
40	**Vivek Adepu, Naveen Bokka**, Venkat Mattela **and Parikshit Sahatiya**	"Highly Electropositive ReS2 Based Ultra-Sensitive Flexible Humidity Sensor for Multifunctional Applications	RSC New Journal of Chemistry (Accepted)	45	5855-5862	3.288
41	**Sravan K. Vittapu and Sumit K. Chatterjee**	Complexity reduction for HEVC encoder using one-dimensional filtering based constrained one-bit transform	Microsystem Technologies, Sept 2020	23	345-361	2.56
42	**Arnab Mukhopadhyay, Sayan Kanungo, Hafizur Rahaman**	Effect of Stacking Arrangement on Device Behavior of Bilayer MoS2 FETs	Journal of Computational Electronics	20	161-168	1.807
43	**Sumit K. Chatterjee, Sravan K. Vittapu and Souvik Kundu**	Prediction-biased diamond search algorithm: a new approach to reduce motion estimation complexity	Microsystem Technologies, Sept 2020, Jan 21	24	45-56	2.33
44	**Sarda Sharma;Sankalp Koduvayur Ganeshan;Souvik Kundu;**Karumbaiah N. Chappanda	Effect of doping on TiO2 nanotubes based electrochemical sensors: Glucose sensing as a case study	IEEE Transactions on Nanotechnology, 2021	20	185-193	2.57
45	Japa A, Majumder MK, **Sahoo SK**, Vaddi R	Low area overhead DPA countermeasure exploiting tunnel transistor-based random number generator. IET Circuits, Devices & Systems. 2020 Mar 3;14(5):640-7				
46	Japa, Aitya., Majumder, M.K., **Sahoo, S.K**. and Vaddi, R.	Hardware Security exploiting post-CMOS Devices: Fundamental device characteristics, State-of-the-Art Countermeasures, Challenges and Roadmap", IEEE Circuits and systems Magazine.(Accepted)				
47	**Sandeep Kumar**, and Runa Kumari	Composite Right/Left-Handed Ultra-Wideband Metamaterial Antenna with Improved Gain	Microwave and Optical Technology Letters, vol.63, issue no.1, pp.188-195, Jan. 2021	63	188-195	1.392
48	P. Veda Bhanu, Rahul Govindan, Plava Kattamuri, Soumya J, and Linga Reddy Cenkeramaddi	Flexible Spare Core Placement in Torus Topology based NoCs and its validation on an FPGA	Accepted for publication with IEEE Access	9	45935-45954	3.367

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49	Chao Duan, **Pratyush Chakraborty**, Takashi Nishikawa, and Adilson E. Motter	Hierarchical Power Flow Control in Smart Grids: Enhancing Rotor Angle and Frequency Stability with Demand-Side Flexibility	IEEE Transactions on Control of Network Systems (Accepted)		Early Access	Early Access	3.502
50	Abhishesh Pal, Khairunnisa Amreen, Satish Kumar Dubey and Sanket Goel	Highly Sensitive and Interference-free Electrochemical Nitrite	IEEE Transactions on NanoBioscience		20	175-182	2.935
51	Lanka Tata Rao, Arshad Javed, Satish Kumar Dubey and Sanket Goel	Laser Induced Graphene Electrodes Enhanced with Carbon Nanotubes for Membraneless Microfluidic Fuel Cell	Sustainable Energy Technologies and Assessments		45	110076	5.353
52	Manish Bhaiyya, Prasant Kumar Pattnaik, and Sanket Goel	Portable Electrochemiluminescence Platform with Laser-Induced Graphene based U-Shaped Bipolar Electrode for Selective Sensing of Various Analytes	IEEE Transactions on Electron Devices		68	2447-2454	2.917
53	Sangam Srikanth, Jaligam Murali Mohan, Sushil Raut, Satish Kumar Dubey, Idaku Ishii, Arshad Javed and Sanket Goel	Droplet Based Microfluidic Device Integrated with Ink Jet Printed Three Electrode System for Electrochemical Detection of Ascorbic Acid	Sensors and Actuators: A. Physical		325	112685	3.407
54	Rakesh P, **Amit K Panda** and Kailash C Ray	ASIC Implementation of Low PAPR Multidevice Variable-Rate	IEEE Transactions on Instrumentation and Measurement, vol. 70, pp. 1-10, 2021, Art no. 2002810		70	1-10	4.016
55	Prashant Wali	Generalized Performance Analysis and Optimization of Enhan	Journal of Communications and Networks (Accepted)		23	180-191	3.24
56	Suresh Nambi, U. Anil Kumar, Kavya Radhakrishnan, Mythreye Venkatesan and Syed Ershad Ahmed	DeBAM: Decoder Based Approximate Multiplier for Low Powe	IEEE Embedded Systems Letters (doi: 10.1109/LES. 2020.3045165)	SCI	Early Access	Early Access	2.169
57	U. Anil Kumar and Syed Ershad Ahmed	Hardware-efficient approximate multiplier architectures for m	Circuit World (doi.org/10.1108/CW-07-2020-0147)	SCI	Early Access	Early Access	0.875
58	Mithun Mondal and Jose Ramos	Impedance Parameters Estimation of an RLCM Ladder Network Using Subspace and Similarity Transformation Approach	IETE Journal of Research (Accepted) doi.org/10. 1080/03772063.2021.1905086		Early Acess	Early Acess	2.333
59	S Sharma, SK Ganeshan, S Kundu, KN Chappanda	Effect of doping on TiO2 nanotubes based electrochemical se	IEEE Transactions on Nanotechnology (accepted)		Early Acess	Early Acess	2.57
60	Venkateswaran Rajagopalan and Erik P Pioro	Corticospinal tract and related grey matter morphometric shape analysis in ALS phenotypes: A fractal dimension study	Brain sciences (In press)		Early Acess	Early Acess	3.11
61	Battina Sindhu, Avinash Kothuru, Parikshit Sahatiya, Sanket Goel and Sourav Nandi	Laser Induced Graphene Printed Wearable Flexible Antenna based Strain Sensor for Wireless Human Motion Monitoring	IEEE Transactions on Electron Devices		68	3189-3194	2.917
62	Manish Bhaiyya, Prasant Kumar Pattnaik, and Sanket Goel	Electrochemiluminescence Sensing of Vitamin B12 using Laser-Induced Graphene based Bipolar and Single Electrodes in a 3D Printed Portable System	Microfluidics and Nanofluidics		25	41	2.539
63	Balasubramanian M, Poornalakshmi U, Prabhakar Rao BVVSN, Kannan Ramaswamy, Prasant K Pattnaik	Enhancing Functionality of Free-Space and Guided-Wave Optical MEMS Devices by Integration with Photonic Circuits	International Journal for Light and Electron Optics - Optik		243	166955	2.443
64	Sravan K. Vittapu, Souvik Kundu and Sumit K. Chatterjee,	A New Low Complexity Bit-truncation Based Motion Estimatio	IETE Journal of Research (Accepted)		Early Acess	Early Acess	2.333
65	Runa Kumari and Sandeep Kumar	Book Chapter: **"Metasurface Antennas"** in the *Handbook of Nano-Metamaterials*, 1st edition, Springer. 2021 (Accepted) (Scopus Indexed).	Springer Nature Singapore Pte Ltd. 2021				
66	STP Srinivas and K Shanti Swarup	A new iterative linear programming approach to find optimal	International Transactions on Electrical Energy Systems (Wiley), 1(1), January 2021				
67	Prasanth K. Enaganti and Sanket Goel	Investigation of Silicon Solar Cells under Submerged conditions with the influence of various parameters: A Comparative Study	Energy Technology		7	2100018	3.631
68	Manish Bhaiyya, Prasant Kumar Pattnaik, and Sanket Goel	Miniaturized Electrochemiluminescence Platform with Laser-Induced Graphene based Single Electrode for Interference-Free Sensing of Dopamine, Xanthine and Glucose	IEEE Transactions on Instrumentation and Measurement		70	9508108	4.016
69	Prasanth K Enaganti, Venkatarao Selamneni, Parikshit Sahatiya and Sanket Goel	MoS2/Cellulose Paper Coupled with SnS2 Quantum Dots as 2D/0D Electrode for High Performance Flexible Supercapacitor	New Journal of Chemistry (accepted)		45	8516-8526	3.288
70	Sangam Srikanth, Sohan Dudala, Jayapiriya US, J Murali Mohan, Sushil Raut, Satish Kumar Dubey, Idaku Ishii, Arshad Javed and Sanket Goel	Droplet-based lab-on-chip platform integrated with laser ablated graphene heaters to synthesize gold nanoparticles for electrochemical sensing and fuel cell applications	Scientific Reports		11	9750	4.379
71	Vishnu Charan T., Alivelu Manga Parimi	Finding Optimal location in Optimum Time and Cost of Interli	Accepted in Turkish Journal of Electrical Engineering And Computer Sciences –ISSN NO. 13000632, April 2021				
72	Daksh Maheswari, SK Ghosh, RK Tripathy*, M Sharma, UR Acharya	Automated Accurate Emotion Recognition System using Rhythm-Specific Deep Convolutional Neural Network Technique with Multi-Channel EEG Signals	Computers in Biology and Medicine, Elsevier, 2021		134	104428	4.58
73	**SK Ghosh, Ashirwad Ray, RK Tripathy, RN Ponnalagu**	A Transform domain Approach for the Compression of Fetal P	IEEE Sensors Letters, 2021 (Accepted)		5	1-4	3.331
74	Chao Duan, Guna Bharati, **Pratyush Chakraborty**, Bo Chen,Takashi Nishikawa, and Adilson E. Motter	Practical Challenges in Real Time Demand Response	accepted for publication in the letters section of IEEE Transaction on Smart Grid		early access	early access	8.96
75	Puneeth S B, Madhusudan Kulkarni and Sanket Goel	Microfluidic Viscometers for Biochemical and Biomedical App	Engineering Research Express		3	22003	
76	Jayapiriya U S, Prakash Rewatkar and Sanket Goel	Direct Electron Transfer based Microfluidic Glucose Biofuel cell with CO2 Laser ablated Bioelectrodes and Microchannel	IEEE Transactions on NanoBioscience		early access	early access	2.935

#	Authors	Title	Journal	Col1	Col2	Col3
77	P. Veda Bhanu, Rahul Govindan, Rajat Kmar, Vishal Singh, Soumya J, and Linga Reddy Cenkeramaddi	Fault-Tolerant Application-Specific Topology based NoC and it	Accepted for publication with IEEE Access	9	76759-76779	3.367
78	**Vivek Adepu,** Venkat Mattela and **Parikshit Sahatiya**	Remarkably Ultra Sensitive Large Area Matrix of MXene based Multifunctional Physical Sensors (Pressure, Strain and Temperature) for mimicking the human skin	RSC Journal of Materials Chemistry B (accepted)	9	4523-4534	6.331
79	Manish Bhaiyya, Prasant Kumar Pattnaik and Sanket Goel	Miniaturized Laser-Induced Graphene based Electrochemiluminescence Device with Closed Bipolar Electrode for Simultaneous Detection of Vitamin B12 and Vitamin C from Real Samples	Sensors and Actuators: A. Physical	131	112831	3.407
80	**Vivek Adepu**, Krutath Kamath, Venkat Mattela and **Parikshit Sahatiya**	Laser Assisted Gaussian Microstructured Patterned PDMS Encapsulated Ti3C2Tx (MXene) based Pressure Sensor for Object and Touch Detection	IEEE Sensors Journal (Accepted)	21	16547-16553	3.331
81	**Naveen Bokka,** Debariya Som, **Sayan Kanungo** and **Parikshit Sahatiya**	Investigation of Transduction mechanism of Few Layer SnS2 for Pressure and Strain Sensing. Experimental correlation with First Principle Study	IEEE Sensors Journal (Accepted)	21	17254-17261	3.331
82	Wankhede Pankaj, **Tejas Radhakrishnan**, Kurra Suresh, **Sudha Radhika**	CGA: An image processing based software for surface strain analysis in sheet metal forming	The Journal of Strain Analysis for Engineering Design, 2021 https://doi.org/10.1177/0309324721996575	Early Access	Early Access	1.541
83	Amar Kumar Verma, Aakruti Jain, **Sudha Radhika**	Neuro-fuzzy Classifier for Identification of Stator Winding Inter-turn Fault for Industrial Machine	Lecture Notes in Electrical Engineering, Vol 659, I , B 101-E 110, Springer Book Chapter, https://link.springer.com/chapter/10.1007%2F978-981-15-4775-1_12	659	101-110	
84	Amar Kumar Verma , **Sudha Radhika** , Naren Surampudi	Web Based Application for Quick and Handy Health Condition Monitoring System for a Reliable Wind Power Generation	ASME, 2021, https://doi.org/10.1115/IMECE2020-23713	14	9-16	
85	C. Santhi Durganjali , Harini Raghavan , **Sudha Radhika**	Modelling and Performance Analysis of Different Types of Li-Ion Battery	ASME, 2021, https://doi.org/10.1115/IMECE2020-24404	8	23-30	
86	Wankhede Pankaj, Tejas Radhakrishnan, **Sudha Radhika**, Kurra Suresh	Corner detection of a quadrilateral for strain analysis in sheet metal forming by image processing	Advances in Materials and Processing Technologies, Taylor and Francis Series, https://doi.org/10.1080/2374068X.2021.1878710			
87	Madhusudan B Kulkarni, K Velmurugan, Prasanth Enaganti, Khairunnisa Amreen, Jayabalan Nirmal and Sanket Goel	Smartphone Enabled Miniaturized Temperature Controller Platform to Synthesize NiO/CuO Nanoparticles for Electrochemical Sensing and Nanomicelles for Ocular Drug Delivery Applications	Biomedical Microdevices	23	31	2.838
88	Abhishesh Pal, Madhusudan B Kulkarni, Harish Gupta, R. N. Ponnalagu, Satish Kumar Dubey and Sanket Goel	Portable and Autonomous Device for Real-time Colorimetric Detection: Validation for Phosphorous and Nitrite Detection	Sensors and Actuators: A. Physical	330	112896	3.407
89	H. Renuka, Sarda Sharma, B. Harihara Venkataraman, Kannan Ramaswamy, Karumbaiah N. Chappanda, Souvik Kundu and Sanket Goel	Extensive Enhancement in Charge Collection Efficiency of Ferroelectric Cr-doped BFO based Solar Cells by using TiO2 Nanotube Arrays	IEEE Journal of Photovoltaics	11	1278 - 1284	3.887
90	Madhusudan B Kulkarni, US Jayapriya, Khairunnisa Amreen and Sanket Goel	Portable Thermal Management Platform for Synthesis of ZnO Nanoparticle in a Microfluidic Device: Validated for Electrochemical Sensing and Glucose Fuel Cell Application	IEEE Transactions on Electron Devices	68	4070 - 4076	2.917
91	Madhusudan B Kulkarni, Srashti Goyal, Arti Dhar, D Sriram and Sanket Goel	Miniaturized and IoT enabled Continuous-flow based Microfluidic PCR Device for DNA Amplification	IEEE Transactions on NanoBioscience	Early access	Early access	2.935
92	Sarath Sankar Vinnakota, **Runa Kumari,** Himanshu Meena, and Basudev Majumder	Rectifier Integrated Multibeam Luneburg Lens Employing Artificial Dielectric as a Wireless Power Transfer Medium at mm Wave Band	IEEE Photonics Journal, Volume 13, Number 3, June 2021	13		2.833
93	Rajasekhar Nalanagula, Naresh K. Darimireddy, **Runa Kumari,** Chan-Wang Park and R. Ramana Reddy	Circularly Polarized Hybrid Dielectric Resonator Antennas: A Brief Review and Perspective Analysis	MDPI Sensors 2021, 21(12), 4100; https://doi.org/10.3390/s21124100	21	1-18	3.576
94	Vivek Adepu, Krutath Kamath, Venkat Mattela and Parikshit Sahatiya	Development of Ti3C2Tx/NiSe2 nanohybrid based Large Area Pressure Sensors as a Smart Bed for Unobtrusive Sleep Monitoring	Advanced Materials Interfaces (Accepted)	Available Online	2100706	6.147
95	Abhishek Varshney, SK Ghosh, Sibashankar Padhy, Rajesh Kumar Tripathy, UR Acharya	Automated Classification of Mental Arithmetic Tasks Using Recurrent Neural Network and Entropy Features Obtained from Multi-Channel EEG Signals	MDPI Electronics ,2021	10	1079	2.39
96	Sourav Nandi, Akhilesh Mohan	A Compact Eighth Mode Circular SIW Cavity-Based MIMO Antenna	IEEE Antennas and Wireless Propagation Letters (Accepted)			
97	Madhusudan B Kulkarni, Mary Salve and Sanket Goel	Miniaturized Thermal Monitoring Module with CO2 Laser Ablated Microfluidic Device for Electrochemically Validated DNA Amplification	IEEE Transactions on Instrumentation & Measurement	70	4006008	4.016
98	Manish Bhaiyya, Prasant Kumar Pattnaik, Sanket Goel	A Brief Review on Miniaturized Electrochemiluminescence Devices: from Fabrication to Applications	Current Opinion in Electrochemistry	30	100800	7.271
99	H. Renuka, Prasanth K. Enaganti, B. Harihara Venkataraman, Kannan Ramaswamy, Souvik Kundu, and Sanket Goel	Submerged Solar Energy Harvesting using Ferroelectric Ti-doped BFO based Heterojunction Solar Cells	International Journal of Energy Research	Early access	Early access	5.164
100	Jaligam Murali Mohan, Khairunnisa Amreen, Arshad Javed, Satish Kumar Dubey and Sanket Goel	Electrochemical Mini-Platform with Thread based Electrodes for Interference Free Arsenic Detection	IEEE Transactions on NanoBioscience	Early access	Early access	2.935

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101	Madhusudan B Kulkarni and Sanket Goel	Miniaturized DNA Amplification Platform with Soft-Lithographically Fabricated Continuous-flow PCR Microfluidic Device on a Portable Temperature Controller	Microfluidics and Nanofluidics		25	69	2.539
102	Venkatarao Selamneni, T Akshaya, Vivek Adepu and Parikshit Sahatiya	Laser Assisted Micropyramid patterned PDMS Encapsulation of 1D Tellurium Nanowires on Cellulose Paper for Highly Sensitive Strain Sensor and its Photodetection Studies	IOP Nanotechnology (accepted)		32	455201	3.874
103	Naveen Bokka, Jay Karhade and Parikshit Sahatiya	Deep Learning Enabled Classification of Real Time Respiration Signals Acquired by MoSSe Quantum Dots based Flexible Sensor	Journal of Materials Chemistry B (accepted)		Available online	Available online	6.331
104	**Ramakant Yadav, Surya Shankar Dan** and Simhadri Hariprasad,	Low and High Vt GOTFET Devices Outperform Standard CMOS Tech	IETE Technical Review, Aug 2021; https://doi.org/10.1080/02564602.2021.1960903				
105	H. Renuka, Ashutosh Garudapalli, Akhil Raman T. S., B. HariharaVenkataraman, Kannan Ramaswamy, K. C. James Raju, Sanket Goel, and Souvik Kundu	Enhanced Photovoltaic Response in Ferroelectric Ti-doped BFO Heterojunction through Interface Engineering for Building Integrated Applications	Solar Energy		25	863-874	5.742
106	Sachin Trankatwar and Prashant Wali	Power Control Algorithm to Improve Coverage Probability in Heterogeneous Networks	Wireless Personal Communications (2021) (Springer)		Not Available	Not Available	1.671
107	K. Chandra Sekhar Reddy, **Venkatarao Selamneni,** M.G. Syamala Rao, J. Meza-Arroyo, R. Ramirez-Bon, **Parikshit Sahatiya**	All Solution Processed p-NiO/n-CdS Flexible Rectifying Junction: Applications towards Broadband Photodetector and Human Breath Monitoring	Applied Surface Science (accepted)		568	150944	6.707
108	Amogh BS, Venkatarao Selamneni, Naveen Bokka and Parikshit Sahatiya	Remarkably Stable Black Phosphorus Quantum Dots-Polyvinyl Alcohol film as a Water Soluble Breath Sensor,	IEEE Transactions on Electron Devices (accepted)		early access	early access	2.913
109	Jayapiriya U S and Sanket Goel	Influence of Cellulose Separators in Coin-sized 3D Printed Paper-based Microbial Fuel Cells	Sustainable Energy Technologies and Assessments		47	101535	5.353
110	Prakash Rewatkar, Prasanth K Enaganti, Manish Rishi, Subhas C Mukhopadhyay and Sanket Goel	Single-Step Inkjet-Printed Paper-Origami Arrayed Air-Breathing Microfluidic Microbial Fuel Cell and its Validation	International Journal of Hydrogen Energy		early access	early access	5.816
111	Jaligam Murali Mohan, Khairunnisa Amreen, Madhusudan B Kulkarni, Arshad Javed, Satish Kumar Dubey and Sanket Goel	Optimized Ink Jetted Paper Device for Electroanalytical Detection of Picric Acid	Colloids and Surfaces B: Biointerfaces		208	112056	5.268
112	**Krutarth Kamath, Vivek Adepu**, Venkat Mattela and **Parikshit Sahatiya**	Development of Ti3C2Tx/ MoS2xSe2(1-x) nanohybrid multilayer structures for piezoresistive mechanical transduction	ACS Applied Electronic Materials (accepted)		Just Accepted	Just Accepted	3.314
113	Kumari, A., **Sahoo, S.K.** and Chinnaiah	Fast and Efficient Visibility Restoration Technique for Single	IEEE Access, 9, pp.48131-48146.		Vol 9	48131-48146	3.36
114	Japa, Aditya., Majumder, M.K., **Sahoo, S.K.** and Vaddi, R.	Emerging Tunnel FET and Spintronics based Hardware Secur with Ultra-low Energy Consumption	Accepted in Journal of Computational Electronics, Springer.		Early Acess	Early Acess	1.8
115	Japa, Aditya., Majumder, M.K., **Sahoo, S.K.** and Vaddi, R.	Tunnel FET based Ultra-Lightweight Reconfigurable TRNG a Constrained Internet of Things	Accepted in International Journal of Circuit Theory and Applications		Early Acess	Early Acess	2.03
116	Japa, Aditya., Majumder, M.K., **Sahoo, S.K**. and Vaddi, R.	Hardware Security exploiting post-CMOS Devices: Fundamen State-of-the-Art Countermeasures, Challenges and Roadmap	IEEE Circuits and Systems Magazine, 21(3), pp.4-30.		21	4 - 30	2.67
117	Jayapiriya U S and Sanket Goel	Microfluidic Non-Enzymatic Biofuel Cell Integrated with Electrodeposited Metallic Catalysts on a Paper based Platform	Journal of Power Sources		510	230405	9.127
118	Vishnu Charan T., Alivelu Manga Parimi, Chandram Karri	Series FACTS Controllers in Industrial Low Voltage Electrical Di	Accepted in International Journal of Power Electronics and Drive Systems (IJPEDS)		12	Accepted	
119	Vishnu Charan T., Alivelu Manga Parimi	Finding Optimal location in Optimum Time and Cost of Interli	Accepted in Turkish Journal of Electrical Engineering And Computer Sciences		29	Accepted	0.809
120	Mrunali Wagh, Puneeth S B, Sanket Goel and Subhendu K Sahoo	Development of Laser-Induced Graphene-based Automated Electro Microfluidic Viscometer for Biochemical Sensing Applications	IEEE Transactions on Electron Devices		Early Acess	Early Acess	2.917
121	**Jay Karhade, SK Ghosh, Pranjali Gajbhiye, RK Tripathy**, UR Acharya	Multichannel Multiscale Two-stage Convolutional Neural Network for the Detection and Localization of Myocardial Infarction using Vectorcardiogram Signal	Applied Sciences, MDPI		11(17)	7920	2.67
122	Sangam Srikanth, Sushil Raut, Satish Kumar Dubey, Idaku Ishii, Arshad Javed and Sanket Goel	Experimental Studies on Droplet Characteristics in a Microfluidic Flow Focusing Droplet Generator: Effect of Continuous Phase on Droplet Encapsulation	The European Physical Journal E		44	108	1.89
123	H. Renuka, B. Harihara Venkataraman, Kannan Ramaswamy, Souvik Kundu and Sanket Goel	A Study on the effect of Cr doping on the Structural, Optical and Photovoltaic Properties of BFO based Heterostructures	2021 IEEE 48th Photovoltaic Specialists Conference (PVSC), pp.			1182-1186	
124	Sohan Dudala, Sangam Srikanth, Satish Kumar Dubey, Arshad Javed and Sanket Goel	Rapid Inkjet Printed Miniaturized Interdigitated Electrodes for Electrochemical Sensing of Nitrite and Taste Stimuli	Micromachines		12(9)	1037	2.891
125	Naveen Bokka, Khush Gohel and Parikshit Sahatiya	A Water-Soluble Micropatterned MoS2QDs/PVA Film as a Transient Contact (Pressure) and Non-Contact (Humidity) as Touch and Proximity Sensor	Journal of Applied Polymer Science		Accepted		3.125
126	Venkatarao Selamneni, Pranav Anand, Aakansha Singh and Parikshit Sahatiya	Hybrid 0D-2D WS2-QDs (n)/SnS (p) as Distributed Heterojunctions for Highly Responsive Flexible Broadband Photodetector	ACS Applied Electronic Materials		Accepted		3.314
127	Sangam Srikanth, Satish Kumar Dubey, Arshad Javed, and Sanket Goel	Droplet Based Microfluidics Integrated with Machine Learning	Sensors and Actuators A: Physical		Accepted		3.407
128	U. Anil Kumar, Sahith, Sumit Chatterjee, and Syed Ershad Ahmed	A High-Speed and Power-Efficient Approximate Adder for Image Processing Applications	Journal of Circuits, Systems and Computers	SCI	Accepted		1.3

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129	U. Anil Kumar, Sumit Kumar and Syed Ershad Ahmed	Low-Power Compressor-based Approximate Multipliers with Error-Correcting Module	IEEE Embedded Systems Letters	SCI	Accepted		2.16
130	S. Jana Mukhopadhyay, B. Mazumdar, **K. N. Chappanda,** S. C. Mukhopadhyay**, and S. Kanungo***	Performance Analysis of the Diagonal Tunneling based Dielectrically Modulated Tunnel FET for Label-free Bio-sensing Applications	IEEE Sensors Journal, Accepted, Early Acess (2021). Doi: 10.1109/JSEN.2021.3103998.	SCI	Early Access	Early Access	3.301
131	**P. Joshna, A. Tiwari,** S. Kundu, **P. Sahatiya,** and **S. Kanungo***	Effects of Artificial Stacking Configurations and Biaxial Strain on the Structural, Electronic and Transport Properties of Bilayer GaSe- A First Principle Study	Materials Science in Semiconductor Processing Doi:10.1016/j.mssp.2021.106236	SCI	Accepted- In Press	Accepted- In Press	3.927
132	Jayapiriya U S, Lanka Tata Rao, Prakash Rewatkar, Haroon Khan, Satish Kumar Dubey, Arshad Javed, Gyu Man Kim and Sanket Goel	Single microfluidic fuel cell with three fuels – formic acid, glucose, and microbes: A comparative performance investigation	Journal of Electrochemical Science and Engineering (accepted)	Scopus	Accepted- In Press	Accepted- In Press	
133	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed, and Sanket Goel	Paper based Optimized Chemical Fuel Cell with Laser-Scribed Graphene Electrodes for Energy Harvesting	Microfluidics and Nanofluidics (accepted)	SCI	Accepted- In Press	Accepted- In Press	2.529
134	Hanumanth Rao C, Amrendra Pratap Singh, Avinash Kothuru, B.K.S.V.L. Varaprasad and Sanket Goel	Fineline Circuits Realization with Liquid Photoresist and DMD based Photolithographic Technique for Space Electronics Applications	Journal of Micro/Nanopatterning, Materials and Metrology (accepted)	SCI	Accepted- In Press	Accepted- In Press	1.22
135	Mary Salve, Khairunnisa Amreen, Prasant Kumar Pattnaik and Sanket Goel	Integrated Microfluidic Device with Carbon-Thread Microelectrodes for Electrochemical DNA Elemental Analysis	IEEE Transactions on NanoBioscience (accepted)	SCI	Accepted- In Press	Accepted- In Press	2.935
136	Pavar Sai Kumar and Sanket Goel	First Report on Graphene Oxide Free, Ultrafast Fabrication of Reduced Graphene Oxide on Paper Via Visible Light Laser Irradiation	Diamond & Related Materials	SCI	Accepted- In Press	Accepted- In Press	3.315
137	H. Renuka, Prasanth K. Enaganti, Souvik Kundu and Sanket Goel	Laser-induced Graphene Electrode based Flexible Heterojunction Photovoltaic Cells	Microelectronic Engineering	SCI	Accepted- In Press	Accepted- In Press	2.523
138	Ashirwad Ray, Jaligam Murali Mohan, Khairunnisa Amreen, Satish Kumar Dubey, Arshad Javed, Ponnalagu R N and Sanket Goel	Ink-Jet printed CuO Nanoparticle Enhanced Miniaturized Paper-based Electrochemical Platform for Hypochlorite Sensing	Applied Nanoscience (accepted).	SCI	Accepted- In Press	Accepted- In Press	3.674
139	Naveen Bokka, Venkatarao Selamneni, Vivek Adepu, Sandeep Jajjara and Parikshit Sahatiya	Water Soluble Flexible and Wearable Electronic Devices: A Review	Flexible and Printed Electroncis	SCI	Accepted	Accpted	3.588
140	Vivek Adepu, Krutarth Kamath, Sukruth S and Parikshit Sahatiya	MXene/TMD nanohybrid for the development of smart electronic textiles based on physical electromechanical sensors	Advanced Materials Interfaces	SCI	Accepted	Accepted	6.3
141	Aditya Viswakumar, **Rajagopalan. V**, Tathagata Ray, Pranitha Gottipati and Chandu Parimi	Development of a Robust, Simple, and Affordable Human Gait Analysis System using Bottom-up Pose Estimation with a Smartphone Camera	Frontiers in Physiology (accepted Dec 9 2021)	SCI	Accepted	Accepted	4.56
142	Avinash Kothuru, C. Haumanth Rao and Sanket Goel	Flexible Touch Pad on Paper and Cloth by Blue Diode Ablated Laser Innduced Graphene	, 2021 IEEE International Flexible Electronics Technology Conference (IFETC), pp. 0050-0052, 2021	Scopus	Published		
		2020 Publications					
1	**Abhay S Vidhyadharan, Sanjay Vidhyadharanan**	TiO2−x–TiO2 Memristor Applications for Programmable Analog VLSI Circuits at 45 nm CMOS Technology Node	Springer Transactions on Electrical and Electronic Materials, October 2020				
2	**Sanjay Vidhyadharan, Surya Shankar Dan*, Ramakant Yadav and Simhadri Hariprasad**	An Innovative Ultra-Low Voltage GOTFET based Regenerative-Latch Schmitt Trigger	Elsevier Microelectronics Journal, vol. 104, page 104879(1-10), Aug 2020				
3	**T Siddharth, Pranjali Gajbhiye, RK Tripathy*, RB Pachori**	Investigation on the Effects of Substrate, Back-Gate Bias, Front-Gate Engineering on the Performance of DMTFET based Biosensors	IEEE Sensors Journal, Vol. 20, Issue. 18, pp. 10405-10414 (2020).		20	10405-10414	3.331
4	**Debapriya Som,** Budhaditya Majumdar, **Souvik Kundu, and Sayan Kanungo***	Investigation of Charge Plasma Enhanced Tunnel Field Effect Transistor for Hydrogen Gas Sensing Application	IEEE Sensors Letters, Vol. 4(6), pp. 1-4, (2020).		4	15004041-15004044	3.331
5	**Ramakant Yadav, Surya Shankar Dan*, Sanjay Vidhyadharan and Simhadri Hariprasad**	Suppression of Ambipolar Behavior and Simultaneous Improvement in RF Performance of Gate-Overlap Tunnel Field Effect Transistor (GOTFET) Devices	Springer Silicon Journal, Jul 2020, (https://doi.org/10.1007/s12633-020-00506-1)				
6	**Sanjay Vidhyadharan, Surya Shankar Dan*,** Abhay S. V., **Ramakant Yadav and Simhadri Hariprasad**	Novel gate-overlap tunnel FET based innovative ultra-low-power ternary flash ADC	Elsevier Integration, the VLSI Journal, vol 73, pp 101-113, July 2020, (https://doi.org/10.1016/j.vlsi.2020.03.006)				
7	**Prakash Rewatkar, Avinash Kothuru and Sanket Goel**	PDMS Microfluidic Glucose Biofuel Cell using Customized Laser-induced Flexible Graphene Bioelectrodes	IEEE Transactions on Electron Devices		67	1832 – 1838	2.917
8	**Sohan Dudala**, Satish K Dubey and **Sanket Goel**	Microfluidic Soil Nutrient Detection System: Integrating Nitrite, pH and Electrical Conductivity Detection	IEEE Sensors Journal, 2019.		20	4504 - 4511	3.331
9	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed, and **Sanket Goel**	Statistical Performance Analysis and Robust Design of Paper Microfluidic Membraneless Fuel Cell with Pencil Graphite Electrodes	ASME Journal of Electrochemical Energy Conversion and Storage, vol. 17(3): 031015 (14 pages)		17	31015	2.012
10	Sohan Dudala, Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed and **Sanket Goel**	Experimental Characterization to Fabricate CO2 Laser ablated PMMA Microchannel with Homogeneous Surface,	Materials Today: Proceedings				
11	Sangam Srikanth, Jaligam Murali Mohan, Sohan Dudala, Satish Kumar Dubey, Arshad Javed and **Sanket Goel**	Direct UV Laser Writing System to Photolithographically Fabricate Optimal Microfluidic Geometries: Experimental	Materials Today: Proceedings				

No.	Authors	Title	Publication			
12	Pranjali Gajbhiye, **RK Tripathy***, RB Pachori	Elimination of Ocular Artifacts from single channel EEG Signals using FBSE-EWT based rhythms	IEEE Sensors Journal, pp, 1-10,2020			<mark>3.331</mark>
13	M. Srirangan, **RK Tripathy***, RB Pachori	Time-Frequency Domain Deep Convolutional Neural Network for the Classification of Focal and Non-Focal EEG Signals	IEEE Sensors Journal, pp, 1-9,2020			<mark>3.331</mark>
14	O F Vyatchina, D I Stom, **Sanket Goel** and B Xie	Biocathode of microbial fuel cells based on nitrate-reducing strains of Pseudomonas aeruginosa	IOP Conf. Series: Earth and Environmental Science, vol. 408, 012084, 2020.			
15	Lanka Tata Rao, **Prakash Rewatkar**, Satish Kumar Dubey, Arshad Javed, and **Sanket Goel**	Performance Optimization of Microfluidic Paper Fuel Cell with Varying Cellulose Fiber Papers as Absorbent Pad	International Journal of Energy Research, 2020.	44	3893 – 3904	<mark>5.164</mark>
16	**Prasanth K. Enaganti**, Prabhat K. Dwivedi, Alok K. Srivastava and **Sanket Goel**	Analysing Consequence of Solar Irradiance on Amorphous Silicon Solar Cell in Variable Underwater Environments	International Journal of Energy Research	66	4493 - 4504	<mark>5.164</mark>
17	**Prasanth K. Enaganti, Suresh N, Hiten K. Behera**, Prabhat K. Dwivedi, **Souvik Kundu**, Mohd. Imamuddin, Alok K. Srivastava and **Sanket Goel**	Performance Analysis of Submerged Polycrystalline Photovoltaic Cell in Varying Water Conditions	IEEE Journal of Photovoltaics, vol10(2), pp. 531-538, 2020.			3.887
18	B.M Chaya, Prasant Kumar Pattnaik and K Narayan	Modelling and Analysis of Organic Ligut Emitting Diode with Thin Film Anti-Reflective Coatings	ASP Journal of Nanoelectronics and Optoelectronics			
19	Samit Kumar Ghosh, **R. N. Ponnalagu***, **R K Tripathy** and U Rajendra Acharya	Automated Detection of Heart Valve Diseases using Chirplet Transform and Multiclass Composite Classifier with PCG Signals	Computers in Biology and Medicine Journal - Elsevier	118		3.434
20	Samit Kumar Ghosh, **R. N. Ponnalagu** and **R K Tripathy**	Heart Sound Data Acquisition and Preprocessing	Book Chapter in "Handbook of Research on			
21	H. Renuka, P. Joshna, W. A. Mani, B. H. Venkataraman, K. Ramaswamy, and **Souvik Kundu**	Plasmonic gold nanorods mediated p-BFCrO/n-rGO heterojunction in realizing efficient ferroelectric	Materials Sciences in Semiconductor Processing (Elsevier), Vol. 109, pp. 104937, (2020).			3.927
22	W. A. Wani, K. Ramaswamy, **Souvik Kundu**, B. H. Venkataraman	Influence of thermal treatment on the physical properties of bismuth ferrite nanoceramics for promising multifarious device applications	AIP Proceedings (Scoups) 2269, 030013 (2020).			
23	P Michael Preetam Raj, Amlan Ranjan Kalita, and **Souvik Kundu**	Memristive Computational Amplifiers and Equation Solvers	(2020), Springer Lecture notes in Electrical Engineering (Scopus), Vol. 659. Springer, Singapore. https://doi.org/10.1007/978-981-15-4775-1_9			
24	**Ramakant Yadav, Surya Shankar Dan***, Sanjay Vidhyadharan and Simhadri Hariprasad	Innovative multi-threshold gate-overlap tunnel FET (GOTFET) devices for superior ultra-low power digital, ternary and analog circuits at 45 nm technology node	Springer Journal of Computational Electronics, 26 Mar 2020			
25	Prasanth K. Enaganti, Prabhat K. Dwivedi, Alok K. Srivastava, and Sanket Goel	Study of Solar Irradiance and Performance Analysis of Submerged Monocrystalline and Polycrystalline Solar Cells	Progress in Photovoltaics: Research and Applications	28	725-735	7.953
26	**Sandeep Kumar, and Runa Kumari**	Metamaterial Resonator Antennas . (Chapter 8)	Book Chapter in "Multiscale Modelling of Advanced Materials" by Materials Horizons: From			
27	**R Venkata Sravya, and Runa Kumari**	Electromagnetic Bandgap Structures (Chapter 10)	Book Chapter in "Multiscale Modelling of Advanced Materials" by Materials Horizons: From			
28	**Runa Kumari, and Balamati Choudhury**	Book Title: Multiscale Modelling of Advanced Materials	Book Title "Multiscale Modelling of Advanced Materials" by Materials Horizons: From Nature to Nanomaterials, Springer Nature Singapore Pte			
29	Praveen Kumar Gandla, Vamsi Inturi, Suresh Kurra, **Radhika Sudha**	Evaluation of Surface Roughness in Incremental Forming Using Image Processing Based Methods	Measurement, Elsevier, 2020, Science Citation Index Expanded, Published online, 3rd June 2020, https://doi.org/10.1016/j.measurement.2020.108055	164	108055	3.927
30	Amar Kumar Verma, Shivika Nagpal, Aditya Desai, Sudha Radhika	An efficient neural-network model for real-time fault detection in industrial machine	Neural Computing and Applications, 2020, Springer (Science Citation Index Expanded, SCImago Indexed), Published online, 5th June 2020, https://doi.org/10.1007/s00521-020-05033-z	33	1297–1310	5.606
31	Amar Kumar Verma, Pragnya Akkulu, S V Padmanabhan, Sudha Radhika	Automatic condition monitoring of industrial machines using FSA-based hall-effect transducer	**IEEE Sensor Journal, 2020, Accepted**	**21**	**1072 - 1081**	**3.301**
32	K. Chandra Sekhar Reddy, **Parikshit Sahatiya**, I. Santos-Sauceda, O. Cortazara, R. Ramírez Bon	One step fabrication of 1D p-NiO nanowire/n-Si heterojunction: development of self-powered Ultraviolet photodetector	Applied Surface Science, 2020 (Accepted Manuscript)	513	145804	6.707
33	Pavan KR Boppidi, V. J. Louis, **R.K. Tripathy**, S. Banerjee, **Souvik Kundu**	Implementation of Fast ICA Using Memristor Crossbar Arrays for Blind Image Source Separations	IET Circuits, Devices & Systems, 2020, Vol. 14, pp. 484 – 489.			
34	J. A. de la O Serna, MRA Paternina, A. Z. mendez, **RK Tripathy***, RB Pachori	EEG-Rhythm Specific Taylor-Fourier filter bank Implemented with O-splines for the Detection of Epilepsy using EEG Signals	IEEE Sensors Journal, 2020 (Accepted)			<mark>3.331</mark>
35	O F Vyatchina, D I Stom, S Goel and B Xie	Biocathode of microbial fuel cells based on nitrate-reducing strains of Pseudomonas aeruginosa,	Materials Today: Proceedings, IOP Conf. Series: Earth and Environmental Science, vol. 408,			
36	Swapna Challagundla, Shaikshavali Chitraganti and Prashant K. Wali	Event-Based State Estimation With Multiplicative Measurement Noise and Correlated Additive Noises	IEEE Control Systems Letters, vol. 4, no. 3, pp. 554-559, July 2020.	Vol 4	554-559	Not Available
37	Prasanth K. Enaganti, Prabhat K. Dwivedi, Radhika Sudha, Alok K. Srivastava and Sanket Goel	Underwater Characterization of Amorphous and Monocrystalline Solar Cells in Diverse Water Settings,	IEEE Sensors Journal	20	2730 - 2737	<mark>3.331</mark>

No.	Authors	Title	Journal		Vol/Issue	Pages	IF
38	Avinash Kothuru, C. Hanumanth Rao, Puneeth S B, Mary Salve, Khairunnisa Amreen and Sanket Goel	Laser-Induced Flexible Electronics for Resistive, Capacitive and Electrochemical Sensing Applications	IEEE Sensors Journal		20	7392 - 7399	3.331
39	Aditya Japa, Manoj Kumar Majumder, **Subhendu K. Sahoo**, Ramesh Vaddi Tunnel FET-based ultralow-power and hardware-s		Accepted in International Journal of Circuit Theory and Applications.				
40	Ganesh Kumar Ganjikunta; **Subhendu Kumar Sahoo**	Power-Efficient Compensation Circuit for Fixed-Width Multipliers	*Accepted in IET Circuits, Devices & Systems.*				
41	Ganesh Kumar Ganjikunta; **Subhendu Kumar Sahoo**	*An Area and Power-Efficient Variable-Length Fast Fourier Transform for MR-OFDM Physical Layer of IEEE 802.15.4-g*	*Accepted in IET Computers & Digital Techniques.*				
42	Venkatarao Selameni, Nikita Nerurkar and Parikshit Sahatiya	Large area Deposition of MoSe2 on paper as a flexible Infrared Photodetector	*IEEE Sensors Letters (Accepted)*		*4*	*1-4*	3.331
43	A. Hazra, A. Jan, **Souvik Kundu,** Pavan KR Boppidi, and S. Gangopadhyay	Optimized resistive switching in TiO2 nanotubes by modulation of oxygen vacancy through chemical reduction	IEEE Transactions on Electron Devices (IEEE-TED) Vol. 67, pp. 2197 - 2204, (2020).				2.917
44	**Sanjay Vidhyadharan**, **Surya Shankar Dan**, **Ramakant Yadav** & Simhadri Hariprasad	A novel ultra-low-power gate overlap tunnel FET (GOTFET) dynamic adder	Taylor & Francis: International Journal of Electronics https://doi.org/10.1080/00207217.2020.1740800				
45	S. Saravanan, T.V. Kalyan and M.B. Srinivas (with IBM Researchers in US)	Temperature-Aware Adaptations for Read Reliability in STT-MRAM Memory Subsystem	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (To Appear)				
46	Amar Kumar Verma, P Spandana, S V Padmanabhan, S Radhika	Quantitative Modeling and Simulation for Stator Inter-turn Fault Detection in Industrial Machine	Book chapter, Springer Nature, Chapter 10, https://doi.org/10.1007/978-981-15-1084-7_10				
47	SK Ghosh , **RK Tripathy*** , MRA Paternina , JG Arrieta, AZ Mendez , GR Naik	Detection of Atrial Fibrillation from Single Lead ECG Signal using Multirate Cosine Filter bank and Deep Neural Network	Journal of Medical Systems , Springer (Accepted , In press , 2020) 10.1007/s10916-020-01565-y				
48	**RK Tripathy*,** Pranjali Gajbhiye , UR Acharya	Automated sleep apnea detection from Cardio-pulmonary signal using Bivariate Fast and Adaptive EMD and Cross Time-Frequency Analysis	Computers in Biology and Medicine, Elsevier, 10.1016/j.compbiomed.2020.103769				
49	Puneeth S B, Nikhil Munigela, Puranam Sai Akhil and Sanket Goel	Automated Mini-platform with 3D Printed Paper Microstrips for Image Processing based Viscosity Measurement of Biological Samples	IEEE Transactions on Electron Devices		67	2559 - 2565	2.917
50	Mary Salve, Aurnab Mandal, Khairunnisa Amreen, Prasant Kumar Pattnaik and Sanket Goel	Greenly Synthesized Silver Nanoparticle for Supercapacitor and Electrochemical Sensing applications in a 3D Printed Microfluidic Platform	Microchemical Journal		157	104973	4.821
51	Puneeth SB, Hithesh HL and Sanket Goel	ElectroMicrofluidic Viscometer with Integrated Microcontroller and Pumping-System for Point-of-Care Biosensing Applications, .	IEEE Instrumentation and Measurement Magazine		24	23-28	1.505
52	Manoranjan Kumar, Shwetha M., Gowthami D., Rakshith K.B., Narayan K., Prasant Kumar Pattnaik, "Analysis of integrated optical device with microfluidic channel for sensing application," Proc. SPIE 11364, Integrated Photonics Platforms: Fundamental Research, Manufacturing and Applications, 113641R (2 April 2020); doi: 10.1117/12.2555850	Analysis of integrated optical device with microfluidic channel for sensing application	Proc. SPIE 11364, Integrated Photonics Platforms: Fundamental Research, Manufacturing and Applications, 113641R (2 April 2020); doi: 10.1117/12.2555850				
53	Dipankar Nath, Sarala Kallepalli, Lanka Tata Rao, Satish K Dubey, Arshad Javed and Sanket Goel	Microfluidic Paper Microbial Fuel Cell Powered by Shewanella putrefaciens in IoT Cloud Framework	International Journal of Hydrogen Energy		46	3230-3239	5.816
54	C. Santhi Durganjali, Sameer Bethanabhotla, Satwik Kasina, Sudha Radhika	Recent Developments and Future Advancements in Solar Panels Technology: A Review	**Journal of Physics: Conference Series, Scopus Indexed, doi:10.1088/1742-6596/1495/1/012018 ISSN: 17426588, 17426596**		**1459**	**12018**	
55	Venkatarao Selameni, Amogh BS and Parikshit Sahatiya	Highly Air Stabilized Black Phosphorous on disposable paper substrate as a tunnelling effect based highly sensitive piezoresistive strain sensor	Medical Devices and Sensors (Accepted) - Wiley		3	e10099	
56	T Siddharth, Pranjali Gajbhiye, **RK Tripathy***, RB Pachori	EEG based Detection of Focal Seizure Area using FBSE-EWT rhythm and SAE-SVM Network	IEEE Sensors Journal, 2020 (accepted)				3.331
57	Sahil Jain, Rohan panda, **RK Tripathy***	Multivariate Sliding Mode Singular Spectrum Analysis for the Decomposition of Multisensor Time series	IEEE Sensors Letters (accepted)				3.331
58	Pavan KR Boppidi, B. Suresh, P. Biswas, D. Mullarkey, PMP Raj, I. V. Shevts, **Souvik Kundu**	Efficient Resistive Switching and Spike Rate Dependent Plasticity in a New CuCrO2 Memristor for Plausible Neuromorphic Systems	IEEE Transactions on Electron Devices (IEEE-TED), 2020, Vol. 67, pp. 3451 - 3458.				2.917
59	KG Sankalp, Venkatarao Selamneni and Parikshit Sahatiya	Water Dissolvable MoS2 Quantum Dots/ PVA film as an Active Material for Destructible Memristor	RSC New Journal of Chemistry (Accepted Manuscript)		44	11941-11948	3.288
60	Himali Singh, **RK Tripathy**, RB Pachori	Detection of sleep apnea from heart beat interval and ECG derived respiration signals using sliding mode singular spectrum analysis	Digital Signal Processing Journal, Elsevier, 2020				
61	Pavan KR Boppidi, P. Joshna, D. Som, H. Renuka, P. Biswas, D. Bhattacharyya, S. Kanungo, S. Banerjee, and **Souvik Kundu**	Understanding The Efficacy of Cu in Creating Oxygen Vacancies and Temperature Dependent Electrical Transport in Solution Processed Cu:ZnO Thin Films	Materials Science in Semiconductor Processing, Elsevier, 2020, Vol. 120, pp. 105311.				

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62	Balasubramainan M, Naayan K and **Prasant Kumar Pattnaik**	Novel High-Resolution Lateral Dual-Axis Quad-beam Optical MEMS Accelerometer using Waveguide Bragg Gratings	MDPI Journal of Photonics		7(3)	49	2.676	
63	Sangam Srikanth, **Sohan Dudala**, Sushil Raut, Satish Kumar Dubey, Idaku Ishii, Arshad Javed and **Sanket Goel**	Optimization and Characterization of Direct UV Laser Writing System for Microscale Applications	Journal of Micromechanics and Microengineering.		30	95003	1.881	
64	icro	Modified Graphite Paper Based Miniaturized Electrochemically Optimized Hydrazine Sensing Platform	ECS Journal of Solid State Science and Technology.				2.07	
65	Jaligam Murali Mohan, **Khairunnisa Amreen**, Arshad Javed, Satish Kumar Dubey and **Sanket Goel**	Highly Selective Electrochemical Sensing of Dopamine, Xanthine, Ascorbic acid and Uric acid using a Carbon Fiber Paper	IEEE Sensors Journal.		20	11707 - 11712	<mark>3.331</mark>	
66	Jaligam Murali Mohan, **Khairunnisa Amreen,** Arshad Javed, Satish Kumar Dubey and **Sanket Goel**	Miniaturized Electrochemical Platform with Ink-jetted Electrodes for Multiplexed and Interference Mitigated Biochemical Sensing	Applied Nanoscience.		10	3745–3755	3.674	
67	Lanka Tata Rao, **Prakash Rewatkar**, Satish Kumar Dubey, Arshad Javed and **Sanket Goel**	Automated Pencil Graphite Formation Platform to Realize Uniform and Reproducible Graphite Electrodes on Paper for Microfluidic Fuel Cells	Scientific Reports		10	11675	4.379	
68	**Jayapiriya U S, Prakash Rewatkar and Sanket Goel**	Miniaturized Polymeric Enzymatic Biofuel Cell with Integrated Microfluidic Device and Enhanced Laser Ablated Bioelectrodes	International Journal of Hydrogen Energy.		46	3183-3192	5.816	
69	**Madhusudan B. Kulkarni, Yashas, Prasanth K Enaganti, Khairunnisa Amreen and Sanket Goel**	IoT Enabled Portable Thermal Management System with Microfluidic Platform to Synthesize MnO2 Nanoparticles for Electrochemical Sensing	Nanotechnology		31	425504	3.874	
70	W. A. Wani, **Souvik Kundu**, K. Ramaswamy, B. H. Venkataraman,	Structural, morphological, optical and dielectric investigations in Cobalt doped Bismuth Ferrite nanoceramics prepared using the sol-gel citrate precursor method	Journal of Alloys and Compounds (Elsevier), Vol. 846, pp. 156334 (2020).					
71	H. Renuka, P. Joshna, B. H. Venkataraman, K. Ramaswamy, and **Souvik Kundu**	Understanding the efficacy of electron and hole transport layers in realizing efficient chromium doped BiFeO3 ferroelectric photovoltaic devices	Solar Energy (Elsevier), 2020, Vol. 207, pp. 767 - 776.				5.742	
72	Venkatarao S, Sankalp KG **and Parikshit Sahatiya**	All MoS2 based 2D/0D localized unipolar heterojunctions as a flexible broadband (UV-vis-NIR) photodetector	RSC - Journal of Materials Chemistry C		8	11593-11602	7.059	
73	**Mary Salve, Khairunnisa Amreen, Prasant Pattnaik, and Sanket Goel**	Miniaturized Platform with Nanocomposite Optimized Pencil Electrodes for Selective Non-Interfering Electrochemical Sensing	IEEE Transactions on Nanotechnology.		19	575-578	2.57	
74	**Madhavi Bandapati, Sanket Goel and Balaji Krishnamurthy**	Graphite electrodes as bioanodes for enzymatic glucose biofuel cell	Journal of Electrochemical Science and Engineering.					
75	Prakash Rewatkar, Avinash Kothuru and Sanket Goel	Laser-induced Flexible Graphene Bioelectrodes for	IEEE 13th International Conference on					
76	Sandeep Kumar, and Runa Kumari	Composite Right/Left-Handed Ultra-Wideband Metamaterial Antenna with Improved Gain	Microwave and Optical Technology Letters, Accepted (9 Jul. 2020), DOI:10.1002/mop.32552					
77	Prakash Rewatkar, Jayapiriya U S, Sanket Goel	Optimized Shelf-stacked Paper Origami based Glucose	ACS Sustainable Chemistry & Engineering		8	12313–12320	8.198	
78	Rohan Panda , Sahil Jain , **RK Tripathy** , UR Acharya	Detection of Shockable Ventricular Arrhythmias from ECG signal using FFREWT filter bank and Deep Convolutional Neural Network	Computers in Biology and Medicine , Elsevier , 2020					
79	Rohan Panda , Sahil Jain , **RK Tripathy** , RR Sharma, RB Pachori	Sliding Mode Singular Spectrum Analysis for the Elimination of Cross-terms in Wigner-Ville Distribution	**Circuits, Systems & Signal Processing, Springer, 2020 (accepted)**					
80	**Sharvani Gadgil and Chetan Kumar Vudadha**	Design of CNTFET-based Ternary ALU using 2:1 Multiplexer based approach	IEEE TRANSACTIONS ON NANOTECHNOLOGY		19	661-671	2.57	
81	Prasanth Kumar Enaganti and Sanket Goel	Study of Submerged Mono-and Poly-Crystalline Silicon Solar Cells with Split Spectral ranges using Optical Filters	ECS Journal of Solid State Science and Technology, vol. 9, 075005, 2020.		9	75005	2.07	
82	Jayapiriya U S and Sanket Goel	Flexible and Optimized Carbon Paste Electrodes for Direct Electron Transfer based Glucose Biofuel cell fed by various Physiological Fluids	Applied Nanoscience		10	4315–4324	3.674	
83	Avinash Kothuru and Sanket Goel	Laser Induced Graphene on Phenolic Resin and Alcohol Composite Sheet for Flexible Electronics Applications	Flexible and Printed Electronics		5	42001	3.588	
84	Prakash Rewatkar and Sanket Goel	Realization of Optimized Wax Laminated Microfluidic Paper-based Analytical Devices	ECS Journal of Solid State Science and Technology		9	115025	2.07	
85	Jayapiriya U S and Sanket Goel	Surface Modified 3D printed Carbon Bioelectrodes for Glucose/O2 Enzymatic Biofuel Cell: Comparison and Optimization	Sustainable Energy Technologies and Assessments		42	100811	<mark>5.353</mark>	
86	Avinash Kothuru, Khairunnisa Amreen and Sanket Goel	Electro-Microfluidic Device on Multi-Layered Laser-Induced Polyamide Substrate for Diverse Electrochemical Applications	IEEE Transactions on Electron Devices		67	5097 - 5103	<mark>2.917</mark>	
87	Mary Salve, Aurnab Mandal, Khairunnisa Amreen, BVVSN Prabhaka Rao, Prasant Kumar Pattnaik, Sanket Goel	Portable 3D printed Electrochemiluminescence Platform with Pencil Graphite Electrodes for Point of Care multiplexed analysis with Smartphone based Read-out	IEEE Transactions on Instrumentation and Measurement (accepted)				4.016	
88	Radha Bharadwaj, Venkatarao Selamneni, Uttam Thakur, Parikshit Sahatiya* and Arnab Hazra*	Detection and discrimination of volatile organic compounds by noble metals nanoparticle functionalized MoS2 coated biodegradable paper sensors	RSC - New Journal of Chemistry (accepted)		44	16613-16625	3.288	

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89	Venkatarao Selemneni, Khush Gohel, Naveen Bokka, Somya Sharma and Parikshit Sahatiya	MoS2 based Multifunctional sensor for both Chemical and Physical Stimuli and their Classification using Machine Learning Algorithms	IEEE Sensors Journal, 2020 (accepted)		21	3694-3701	3.331	
90	Jayapiriya U S and Sanket Goel	Completely Additive Manufactured and Reusable Microfluidic Device As Enzymatic Glucose Biofuel Cell	2020 IEEE 20th International Conference on Nanotechnology (IEEE-NANO), Montreal, QC, Canada, pp. 150-154, 2020.					
91	P. M. Raj, A. Subramaniam, **Souvik Kundu**	Memristor BJT pair based low complex circuits for portable electronics	Analog Integrated Circuits and Signal Processing (Springer Nature), Accepted, In-press, 2020					
92	**Rajagopalan.V**, Erik. P. Pioro	2-Deoxy-2-[18F]fluoro-d-glucose positron emission tomography, cortical thickness and white matter graph network abnormalities in brains of patients with amyotrophic lateral sclerosis and frontotemporal dementia suggest early neuronopathy rather than axonopathy	European Journal of Neurology, 2020, 27 (10), 1904-1912					
93	**Rajagopalan.V**, Erik. P. Pioro	Degeneration of grey and white matter differs between hypometabolic and hypermetabolic brain regions in a patient with ALS-FTD: A longitudinal MRI-PET multimodal study	Amyotroph Lateral Scler Frontotemporal Degener . 2020 Sep 12;1-6.					
94	Naveen Bokka, Venkatarao Selamneni and Parikshit Sahatiya	Water Destructible SnS2 QDs/PVA Film Based Transient Multifunctional Sensor and Machine Learning Assisted Stimulus Identification for Non-Invasive Personal Care Diagnostics	RSC- Material Advances		1	2818-2830		
95	Abhijeet Bhattacharyya, **RK Tripathy**, L. garg, RB Pachori	A novel multivariate-multiscale approach for computing EEG spectral and temporal complexity for human emotion recognition	IEEE Sensors Journal, 2020 (accepted)				3.331	
96	RK Tripathy*, SK Ghosh, Pranjali Gajbhiye , UR Acharya	Development of automated sleep stages classification system using multivariate projection-based fixed boundary empirical wavelet transform and entropy features extracted from multichannel EEG signals	Entropy, MDPI Journal, 2020. (Accepted)					
97	Leelasree, **Venkatarao Selamneni, T Akshaya, Parikshit Sahatiya** and Himanshu Aggarwal	MOF based Flexible, Low-Cost Chemiresistive Device as a Respiration Sensor for Sleep Apnea Diagnostics	Journal of Materials Chemistry B (Accepted)		8	10182-10189	6.331	
98	Venkatarao Selemneni, Aditya Kunchur and Parikshit Sahatiya	Large-area, Flexible SnS/paper based Piezoresistive Pressure Sensor for Artificial Electronic Skin Application	IEEE Sensors Journal (Accepted)		21	5143-5150	3.331	
99	**Sabyasachi Banerjee**, Nakka Lok Abhishikth, Subhajit Karmakar, Deepak Kumar, Shreeya Rane, **Sanket Goel**, Abul Azad and Dibakar Roy Chowdhury	Modulating Extraordinary Terahertz Transmissions in Multilayer Plasmonic Metasurfaces	Journal of Optics		22	125101	2.516	
100	**Mary Salve, Aurnab Mandal, Khairunnisa Amreen, BVVSN Prabhakar Rao, Prasant Kumar Pattnaik, Sanket Goel**	Portable 3D printed Electrochemiluminescence Platform with Pencil Graphite Electrodes for Point of Care Biochemical Analysis with Smartphone based Read-out	IEEE Transactions on Instrumentation and Measurements		70	9501710	4.016	
101	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed, and **Sanket Goel**	Development of Membraneless Paper-Pencil Microfluidic Hydrazine Fuel Cell	Electroanalysis		32	2581-2588	3.223	
102	**Hanumanth Rao C., Avinash Kothuru,** Amrendra Pratap Singh, BKSVL Varaprasad and **Sanket Goel**	Plasma Treatment and Copper Metallization for Reliable Plated-Through-Holes in Microwave PCBs for Space Electronic Packaging	IEEE Transactions on Device and Materials Reliability		10	1921 - 1928	1.761	
103	**Prasanth K. Enaganti**, Prabhat K. Dwivedi, Alok K. Srivastava, and **Sanket Goel**	Analysis of Submerged Amorphous, Mono-and Poly-crystalline Silicon Solar cells using Halogen Lamp and Comparison with Xenon Solar Simulator	Solar Energy		211	744-752	5.742	
104	**Mary Salve, Khairunnisa Amreen, P. Rajurkar, P. K. Pattnaik, and Sanket Goel**	Miniaturized Disposable Buckypaper-Polymer Substrate Based Electrochemical Purine Sensing Platform	ECS Journal of Solid State Science and Technology		9	101009	2.07	
105	**Khairunnisa Amreen, Mary Salve and Sanket Goel**	Crude black pepper phytochemical 3D Printed Cell based Miniaturized Hydrazine Electrochemical Sensing Platform	Journal of Electroanalytical Chemistry		880	114761	4.464	
106	W. A. Wani, **Souvik Kundu**, K. Ramaswamy, and B. H. Venkataraman	Optimizing Phase Formation of BiFeO3 and Mn-doped BiFeO3 Nanoceramics via thermal treatment using Citrate Precursor Method	SN Applied Sciences (Springer Nature), Accepted (In-press).					
107	**S. Challagundla, S. Chitraganti and P. K. Wali,**	An Efficient Event-Based State Estimator for Linear Discrete-Time System with Multiplicative Measurement Noise	IEEE Control System Letters (Accepted)		Vol 5	1315 - 1320	Not Available	
108	**Venkatarao Selemneni, Aastha Dave,** Pedja Mihailovic, **Saroj Mondal and Parikshit Sahatiya**	Large Area Pressure Sensor for Smart Floor Applications - An Occupancy Limiting Technology to Combat Social Distancing	IEEE Consumer Electronics Magazine (Accepted)		10	98-103	3.975	
109	**Manish Bhaiyya, Prakash Rewatkar, Mary Salve, Prasant Kumar Pattnaik, and Sanket Goel**	Miniaturized Electrochemiluminescence Platform with Laser-Induced Graphene Electrodes for Multiple Biosensing	IEEE Transactions of NanoBioscience		20	79 - 85	2.935	
110	**Venkatarao Selemneni, Sankalp K G, Nikita Nerurkar, T Akshaya and Parikshit Sahatiya**	Facile Fabrication of MoSe2 on Paper based Electromechanical Piezoresistive Pressure Strain Sensor	IEEE Transactions on Instrumentation and Measurements		70	1-8	4.016	
111	Lanka Tata Rao, Arshad Javed, Satish Kumar Dubey and **Sanket Goel**	Parametric Performance Investigation on Membraneless Microfluidic Paper Fuel Cell with Graphite Composed Pencil Stoke Electrodes	International Journal of Precision Engineering and Manufacturing		22	177–187	2.106	
112	**Madhusudan Kulkarni and Sanket Goel**	Microfluidic Devices for Synthesizing Nanomaterials – A Review	Nano Express		1	32004		
113	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed and **Sanket Goel**	Metal-free Al-Air Microfluidic Paper Fuel Cell to Power Portable Electronic Devices	International Journal of Energy Research		45	7070-7081	5.164	

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114	Soumi Saha, Rohan Roy, and **Subhradeep Pal**	A 35 Gb/s Junction-less Dual Parallel Mach-Zehnder Modulator for Short Reach Interconnect	Microsystem Technologies, 2021, DOI: 10.1007 /s00542-020-05171-3(0123456789().,-volV) (0123456789(). ,- volV)			2.276
115	Lanka Tata Rao, Satish Kumar Dubey, Arshad Javed, and Sanket Goel	Optimization and Characterization of Laser-Induced Graphene Electrodes for Chemical Fuel Cell to Realize a Microfluidic Platform	IEEE Xplore (15th IEEE NEMS 2020, San Diego), pp. 31-35, 2020.			
116	Madhusudan Kulkarni and Sanket Goel	Advances in Continuous-Flow based Microfluidic PCR Devices - A Review	Engineering Research Express (Accepted)			
117	Prakash Rewatkar and Sanket Goel	Microfluidic Enzymatic Glucose Biofuel Cell with MWCNT patterned Printed Circuit Board Electrodes	IEEE Xplore (15th IEEE NEMS 2020, San Diego), pp. 26-30, 2020.			
118	Nawin Ra, **Ankur Bhattacharjee**	An extensive study and analysis of system modelling and interfacing of Vanadium Redox Flow Battery	Energy Technology, Wiley, (Accepted, In press), **Nov. 2020,** DOI: 10.1002/ente.202000708	9	1-18	3.631
119	**Ankur Bhattacharjee, Rakesh Kumar Mohanty,** Aritra Ghosh	Design of an optimized thermal management system for Li-ion batteries under different discharging conditions	Energies, Vol. 13(21), 5695, **Oct. 2020,** https://doi.org/10.3390/en13215695	13	1-21	3.004
120	Hiranmay Samanta, **Ankur Bhattacharjee*,** Moumita Pramanik, Abhijit Das, Konika Das Bhattacharya, Hiranmay Saha	Internet of Things based Smart Energy Management in a Vanadium Redox Flow Battery storage integrated Bio-Solar Microgrid	Journal of Energy Storage, Elsevier, Vol. 32, Page 101967, **Oct. 2020,** https://doi.org/10.1016/j.est.2020.101967	32	101967	6.583
121	**Arun Mohan, and Saroj Mondal**	An Impedance Matching Strategy for Micro-Scale RF Energy Harvesting Systems	IEEE Transactions on Circuits and Systems II: Express Briefs, DOI 10.1109/TCSII.2020.3036850	68	1458 - 1462	3.292
122	**Krishnan S. Rengarajan, Saroj Mondal,** Ravindra Kapre	Challenges to adopting adiabatic circuits for systems-on-a-chip	IET Circuits, Devices & Systems (Accepted)	15	581-593	1.297
123	STP Srinivas, K Shanti Swarup	Optimal Protection Coordination of Nonstandard Overcurrent Relays Using Hybrid QCQP Method	Electric Power Components and Systems (Taylor&Francis), Vol. 48, issue. 12-13, November 2020.			
124	**Vishnu Charan T., Alivelu Manga Parimi, Chandram Karri,**	**Installation cost estimation of IPFC for Power Loss Reduction in Transmission lines using Firefly Algorithm**	**WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 15, 2020, Art. #24, pp. 206-213**			
125	**Vishnu Charan T., Alivelu Manga Parimi, Chandram Karri,**	**Interline Power Flow Controller with Control strategy to limit Fault Current in Electrical Distribution System**	**WSEAS Transactions on Power Systems, ISSN / E-ISSN: 1790-5060 / 2224-350X, Volume 15, 2020, Art. #15, pp. 120-126**			
126	L Renuka, Alivelu M Parimi, P Shambhu Prasad	Microgrid Power System Control Designs, CRC press	Sept. 2020 Accepted			
127	**Samit Kumar Ghosh, R N Ponnalagu, Rajesh Kumar Tripathy** and U Rajendra Acharya	Deep layer Kernel Sparse Representation Network for the Time-Frequency Representation of PCG Recordings	DEC 2020, Biomed research International, HIndawi publishers, Volume 2020 |Article ID 8843963	https://doi.org/10.1155/2020/8843963		1-20	2.583
128	**Amit K. Panda**, R. Palisetty and K. C. Ray	High-Speed Area-Efficient VLSI Architecture of Three-Operand Binary Adder	IEEE Transactions on Circuits and Systems I: Regular Papers, vol. 67, no. 11, pp. 3944-3953, Nov. 2020, doi: 10.1109/TCSI.2020.3016275.	67	3944-3953	3.605
	Year 2019					
1	**Puneeth S B and Sanket Goel**	Amperometric Automation and Optimization Paper Microfluidic Viscometer	IEEE Sensors Letters, vol. 3(3), pp. 1-4			3.331
2	**RK Tripathy**, A Bhataacharyya, RB Pachori	A Novel Approach for Detection of Myocardial Infarction from ECG signals of Multiple Electrodes	IEEE Sensors Journal, vol. 19, pp. 4509 - 4517			3.331
3	**P. Veda Bhanu,** Pranav Venkatesh Kulkarni, **Soumya J**	Butterfly-Fat-Tree Topology based Fault-Tolerant Network-on-Chip Design using Particle Swarm Optimization	accepted for publication in Journal of Experimental & Theoretical Artificial Intelligence			
4	**P. Veda Bhanu,** Pranav Venkatesh Kulkarni, **U. Anil Kumar, J. Soumya**	Butterfly-Fat-Tree Topology-Based Fault-Tolerant Network-on-Chip Design Using Particle Swarm Optimization	Book title: Harmony Search and Nature Inspired Optimization Algorithms, Book Series: Advances in Intelligent and Soft Computing, Volume: 741			
5	Monil Shah, Mohit upadhyay, **P. Veda Bhanu, J. Soumya**, Linga Reddy Cenkeramaddi	A Novel Fault-Tolerant Routing Algorithm for Mesh-of-Tree Based Network-on-Chips	Book title: VLSI Design and Test, Book Series: Communications in Computer and Information Science, Volume: 892, Publisher: Springer Nature Singapore Pte Ltd., Book ISBN: 978-981-13-5949-1, Book ID: 479122_1_En, Chapter 38			
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11	**Puneeth S B and Sanket Goel,**	3D Printed Microfluidic Paper-based Analytical Device with Integrated Screen-printed Electrodes for Automated Viscosity Measurements	IEEE Transactions on Electron Devices, vol. 66(7), pp. 3196-3201				2.917	
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14	Swapna Challagundla, Shaikshavali Chitraganti, Samir Aberkane	Event-based state estimation under the presence of multiplicative measurement noise	IEEE Control System Letters, vol. 3(3), 625 - 630					
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3	Sanjay Vidhyadharan, Ramakant, Gangishetty Akhilesh, Vaibhav Gupta, Anand Ravi and Surya Shankar Dan	Part II: Benchmarking the Performance of Optimized TFET-Based Circuits with the Standard45 nm CMOS Technology using Device & Circuit Co-Simulation Methodology	Book title: The Physics of Semiconductor Devices Publisher: Springer Nature Switzerland AG 2018 Book ISBN: 978-3-319-97603-7 Book ID: 454074_1_En Chapter 102			
4	Mithun Mondal and G.B. Kumbhar	Generalized Analytical Formulae to Compute Electrical Characteristics of a Homogenous Ladder Network of the Transformer Winding	International Journal of Circuit Theory & Applications			
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6	A. V. Pavan Kumar, **Alivelu M. Parimi**, K. Uma Rao	Performance analysis of FLC controlled PV-Wind hybrid power system for dc load with real-time data in Matlab, Simulink	Journal of Electrical and Electronics Engineering				
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