



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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Department of Electronics & Communication Engineering

Journal Publications 2020-2021

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link of the recognition in UGC enlistment of the Journal, DOI	Impact factor	Citations
1.	Network Blueprint for Maximizing the Lifetime of Smart Devices in Low power IoT Networks	P. Sarwesh , k. Chandrasekaran, S. Thamizarasan	ECE	International Journal of Grid and High Performane Computing	Jul-2020	290619-123646	10.4018/IJGHPC.2021040102	1.52	0
2.	PEP and OP examination of relaying network over time-selective fading channel	RAVI SHANKAR, R K MISHRA	ECE	SN Applied Sciences	Jul-2020	2523-3971	https://doi.org/10.1007/s42452-020-3077-5	1.00 ESCI	4

3.	Examination of Non-Orthogonal Multiple Access Scheme for Next Generation Wireless Networks	Ravi Shankar	ECE	Journal of Defence Modelling and Simulation: Applications methodology ,Technology, Sage Publications	Sep-2020	1548-5129	https://doi.org/10.1177/1548512920951277	SNIP 0.877	2
4.	Novel Time-Domain Parameters for Detection and Classification of Flaws Using Pulsed Eddy Current Technique	Rao, KS Beatriceveena, TV Angani, CS Agarwal, L	ECE	Journal of Magnetics	Sept- 2020	1226-1750	10.4283/JMAG.2020.25.3.434	0.48	0
5.	Leaf Image Analysis Based Crop Diseases Classification	Yashwant Kurmi, Suchi Gangwar, Dheeraj Agrawal, Satrugan Kumar & Hari Shanker Srivastava	ECE	Signal, Image and Video Processing, SPRINGER	Oct-2020	15:589–597	https://doi.org/10.1007/s11760-020-01780-7	1.794	1
6.	Design and analysis of Yb doped ZnO (YZO) and P-Si bilayer nano-stacked reflector for optical filter applications	Agarwal, L Singh, R Varshney, G Sambasiva Rao K Tripathi, S	ECE	Super Lattices And Microstructu res	Oct-2020	0749-6036	10.1016/j.spmi.2020.106670	2.12	0

7.	High-Efficiency Solar Cells with a Planar Nanostructure Junction	Sambasiva Rao K & Lucky Agarwal	ECE	Nanomedicine & Nanotechnology Open Access (NNOA)	Nov-20	ISSN:2574-187X	10.23880/nnoa-16000202	Other 1.56	0
8.	Investigation of low-density parity check code concatenated multi-user massive multiple-input multiple-output systems with imperfect channel state information	Bhardwaj, Lokesh & Mishra, Ritesh & Shankar, Ravi.	ECE	Journal of Defence Modelling and Simulation: Applications methodology Technology Sage Publications	Nov-2020	1548-5129	https://doi.org/10.1177/1548512920968639	SNIP 0.877	2
9.	Intense Pulse Light Annealing of Perovskite Photovoltaics Using Gradient Flashes	Amir H. Ghahremani, Sahar Pishgar, Jitendra Bahadur, and Thad Druffel	ECE	ACS Applied Energy Materials	Dec- 2020	11641–11654	10.1021/acsaem.0c01520	4.47	0
10.	High Resolution Optical-to-SAR Image Registration Using Mutual Information and SPSA Optimization	Sourabh Paul and Umesh C. Pati	ECE	IET Image Processing	Dec- 2020	NA	https://doi.org/10.1049/ipr2.12107	1.995	0

11.	Handover Count Based MAP Estimation of Velocity with Prior Distribution Approximated via NGSIM	Ravi Tiwari and Siddharth Deshmukh	ECE	IEEE Transactions on Intelligent Transportati on SystemS	Jan- 2021	1524-9050	10.1109/TITS.2020.3043888	6.319	0
12.	Sum rate capacity of non-orthogonal multiple access scheme with optimal power allocation	Bhardwaj, Lokesh & Mishra, Ritesh & Shankar, Ravi.	ECE	Journal of Defence Modelling and Simulation: Applications methodology Technology, Sage Publications	Jan-2021	1548-5129	https://doi.org/10.1177/1548512920983531	SNIP 0.877	0
13.	Deep Reinforcement Learning based Optimal Channel Selection for Cognitive Radio VANET	R. Pal, N. Gupta, A. Prakash, R. Tripathi and JJPC Rodrigues	ECE	IET Communicat ions	Jan-2021	1751-8636	10.1049/iet-com.2020.0451.	1.664	0
14.	Selection of overlapping interactions through approximate decentralised fixed mode measure	Pradosh Ranjan Sahoo, Abhilash Patel, Sandip Ghosh & Asim K. Naskar	ECE	International Journal of Systems Science	Jan-2021	0020-7721	10.1080/00207721.2021.1872115.	NA	2

15.	A Tutorial on Cooperative Non-Orthogonal Multiple Access Network	Shankar, Ravi & Chaudhary, Bhanu & Mishra, Ritesh.	ECE	The Journal of Defence Modelling & Simulation.	Feb- 2021	NA	https://doi.org/10.1177/1548512920986627	SNIP 0.877	0
16.	Analysis of NOMA-OFDM 5G Wireless System Using Deep Neural Network	Sharnil Pandya, Manoj Ashok Wakchaure, Ravi Shankar, Jagadeeswara Rao Annam.	ECE	Journal of Defence Modelling and Simulation: Applications methodology Technology, Sage Publications	Mar- 2021	1548-5129	https://doi.org/10.1177/1548512921999108	SNIP 0.877	1
17.	Channel Capacity Analysis of NOMA and Massive MIMO Wireless Communication Network Considering Perfect“and Imperfect Channel State Information”.	Ravi Shankar, Shovon Nandi, Ajay Rupani,	ECE	Journal of Defence Modelling and Simulation: Applications methodology Technology, Sage Publications.	Mar- 2021	1548-5129	https://doi.org/10.1177/15485129211000139	SNIP 0.877	0
18.	Structural and Electrochemical properties of GO/Mn3O4 nanocomposite	A. Chauhan, S. Naseem, J. Bahadur, B.R. Singh, M. Shoeb, S. Husain, W. Khan	ECE	Journal of Materials Science: Materials in Electronics	Mar- 2021	0957-4522	https://doi.org/10.1007/s10854-020-05132-6	2.2	0

19.	Performance assessment of orthogonal space-time block codes in Nakagami-m/inverse Gaussian fading MIMO channels	Bibhuti Bhusan Pradhan, Lakshi Prosad Roy, Dheeren Ku Mahapatra1	ECE	IET Communications	Mar- 2021	1751-8628	https://doi.org/10.1049/cmu2.12166	3.3	0
20.	Design of Low Power, Variation Tolerant Single Bitline 9T SRAM Cell in 16-nm Technology in Subthreshold Region	Chandramauleshwar Roy, Aminul Islam	ECE	Microelectronics Reliability	May-2021	0026-2714	https://doi.org/10.1016/j.microrel.2021.114126	1.535	0

Research Head

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