



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

Journal Publications 2019-2020

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.	Adaptive hybrid intelligent MPPT controller to approximate effectual wind speed and optimal rotor speed of variable speed wind turbine	R. Sitharthan a, Madurakavi Karthikeyan a, D. Shanmuga Sundar b, S. Rajasekaran a	ECE	ISA Transactions	Jun-2019	0019-0578	https://doi.org/10.1016/j.isatra.2019.05.029	4.305	70
2.	Proximity-coupled two-port multi-input-multi-output graphene antenna with pattern diversity for THz applications	Gaurav V arshneya Shailza GotrabV.S.Pandeyc R.S.Yaduvanshid	ECE	Nano Communication Networks	Jun-2019	1878-7789	https://doi.org/10.1016/j.nancom.2019.05.003	SNIP 1.04	10
3.	Obtaining the circular polarization in a nano-dielectric resonator antenna for photonics applications	Gaurav Varshney1, Shailza Gotra2, Jasleen Kaur3, V S Pandey4 and R S Yaduvanshi5	ECE	Semiconductor Science and Technology	Jun-2019	0268-1242	10.1088/1361-6641/ab1fd1	2.65	12

4.	Pairwise error probability analysis of dual hop relaying network over time selective Nakagami-m fading channel with imperfect CSI and node mobility	Shankar, R., Kumar, I., Mishra, R.K	ECE	Traitement du Signal	Sep-2019	0765-0019	https://doi.org/10.18280/ts.360312	1.541	7
5.	Super-wideband multi-input-multi-output dielectric resonator antenna	Gotra, S., Varshney, G., Pandey, V.S., Yaduvanshi, R.S.	ECE	IET Microwaves, Antennas and Propagation	Sep-19	1751-8733	10.1049/iet-map.2018.6112	1.969	8
6.	Compact multiband CPW fed monopole antenna with square ring and T-shaped strips	Karthikeyan M,Sitharthan R, Ali T, Roy B	ECE	Microw Opt Technol Lett.	Oct-2019	0895-2477	10.1002/mop.32106	0.948	51
7.	Investigations on an extremely compact MIMO antenna with enhanced isolation and bandwidth	Ankan Bhattacharya, Bappaditya Roy	ECE	Microw Opt Technol Lett	Oct-2019	0895-2477	10.1002/mop.32084	0.948	1
8.	Characterization of single-ended 9T SRAM cell	Roy, C., & Islam, A.	ECE	Microsystem Technologies	Dec-2019	0946-7076	10.1007/s00542-019-04700-z	1.737	1
9.	A Deep Analysis of Google Net and AlexNet for Lung Cancer Detection	B.Almas , K.Sathesh , S.Rajasekaran	ECE	International Journal of Engineering and Advanced Technology (IJEAT)	Dec-2019	2249 – 8958	10.35940/ijeat.B3226.129219	1	0

10.	Sliding Mode Control of Coupled Tank Systems Using Conditional Integrators	Sankata Bhanjan Prusty, Sridhar Seshagiri, Umesh Chandra Pati, Kamala Kanta Mahapatra	ECE	IEEE/CAA Journal of Automatica Sinica	Jan-2020	2329-9266	10.1109/JAS.2019.1911831	5.1	2
11.	Improved Signal Detection Techniques for QOSTBC System in Fast Fading Channel	Jyoti P. Patra and Poonam Singh	ECE	Journal of Telecommunication and Information Technology	Jan-2020	1899-8852	https://doi.org/10.26636/jtit.2020.138019	0.61	1
12.	Dielectric Modulated Schottky Barrier TFET for the Application as Label-Free Biosensor	N. K. Hema Latha1 & Sumit Kale	ECE	Silicon	Jan- 2020	1876-9918	https://doi.org/10.1007/s12633-019-00363-7	1.246	2
13.	Reconfigurable graphene antenna for THz applications: a mode conversion approach	Gaurav Varshney	ECE	Nanotechnology	Jan- 2020	1361-6528	https://doi.org/10.1088/1361-6528/ab60cc	3.551	13
14.	Analysis of Selective-Decode and Forward Relaying Protocol over κ - μ Fading Channel Distribution	Ravi Shankar, Lokesh Bhardwaj, Ritesh Kumar Mishra	ECE	Journal of Telecommunications and Information Technology	Jan-2020	1899-8852	https://doi.org/10.26636/jtit.2020.135919	0.61	1

15.	Wideband circular cavity-backed slot antenna with conical radiation patterns	Arvind Kumar	ECE	Microw Opt Technol Lett.	Feb-2020	0895-2477	https://doi.org/10.1002/mop.32316	0.948	10
16.	Least Mean Square (LMS) based neural design and metric evaluation for auscultation signal separation	K. Sathesh , S. Rajkumar , Neeraj Kumar Goyal	ECE	Biomedical Signal Processing and Control	Feb-2020	ISSN: 1746-8094	https://doi.org/10.1016/j.bspc.2019.101784	3.137	1
17.	Design of a meandered line micro strip antenna with a slotted ground plane for RFID applications	Tanmaya Kumar Das a, Biswajit Dwivedy b, Santanu Kumar Behera	ECE	International Journal of Electronics and Communications	Feb-2020	1434-8411	https://doi.org/10.1016/j.aeue.2020.153130	2.924	1
18.	A Linear to Circular Polarization Conversion Meta surface Based Wideband Aperture Coupled Antenna	Rajanikanta Swain · Ayan Chatterjee · Sambhudutta Nanda · Rabindra Kishore Mishra1	ECE	Journal of Electrical Engineering & Technology	Mar- 2020	2093-7423	https://doi.org/10.1007/s42835-020-00402-z	0.681	2
19.	Innovative Localization Algorithm Using the Line of Intersection Technique in Wireless Sensor Networks	T. Mythili, J. Ramesh, P. Ramanathan	ECE	Journal of Internet Technology	Mar-2020	2079-4029	10.3966/160792642020032102011	0.786	1
20.	Smart Real Time Garbage Management System	K.S. Mamatha, Dr.S.A.K. Jilani	ECE	International Journal of Scientific & Technology	Mar- 2020	2277-8616	NA	0.787	0

21.	Investigation of multiple hop cooperative communication system over time-selective Nakagami-m fading channel	Shankar, R., Mishra, R.K	ECE	Iran Journal Computer Science	Mar-20	1682-0053	https://doi.org/10.1007/s42044-020-00054-2	0.66	0
22.	Performance analysis of secondary users under heterogeneous licensed spectrum environment in cognitive radio ad hoc networks	Anand Jee, Shanidul Hoque, & Wasim Arif	ECE	Annals of Telecommunications	Mar-20	1958-9395	https://doi.org/10.1007/s12243-020-00761-8	1.412	1
23.	New bipolar spectral amplitude code for cardinality enhancement in OCDMA network	Sumit Gupta, Aditya Goel	ECE	Journal of Optics	Mar- 2020	1741-3567	https://doi.org/10.1007/s12596-020-00589-4	2.96	1
24.	Structure tensor-based SIFT algorithm for SAR image registration	Divya S V, Sourabh Paul, Umesh Chandra Pati	ECE	IET Image Processing	Apr- 2020	929-938	: 10.1049/iet-ipr.2019.0568	1.955	2
25.	Neural network-based design and evaluation of performance metrics using adaptive line enhancer with adaptive algorithms for auscultation analysis	S. Rajkumar K. Sathesh Neeraj Kumar Goyal	ECE	Neural Computing and Applications	Apr-2020	0941-0643	https://doi.org/10.1007/s00521-020-04864-0	2.505	0

26.	Assessment of Spectrum Handoff Performance in Cognitive Radio Cellular Networks	S. Hoque , W. Arif, and D. Sen	ECE	IEEE Wireless Communication Letters	May-20	2162-2345	10.1109/LWC.2020.3001477	4.66	0
27.	Analysis of Spectrum Handoff delay using Finite Queuing model in Cognitive Radio Networks	S. Shekhar, S. Hoque and W. Arif	ECE	International Journal of Communication Networks and Distributed Systems, Inderscience	May-20	1754-3924	10.1504/IJCND.2020.109552	1.475	2
28.	Comparative study on structural, electronic, optical and mechanical properties of normal and high pressure phases titanium dioxide using DFT	Dharmale, N Chaudhury, S Mahamune, R Dash, D	ECE	Materials Research Express	May-20	2053-1591	10.1088/2053-1591/ab8d5c	1.4	0

Research Head

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