



Department of ECE Staff Publication List Academic Year: 2021 - 2022

Sl. No	Publication details (Authors, Title, Journal, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	Impact factor (SCI)	SCI/ Scopus
1.	Ashok C, Venkateswaran N, ” Manifold Ambiguity-Free Low Complexity DOA Estimation Method for Unfolded Co-Prime Arrays”, IEEE Communications Letters, Vol 25, Issue 6, pp. 1886-1890, June 2021.	3.419	SCI
2.	Ramachandra Reddy Konda , Narmadha Thirunavvukkarasu Velayudham, and Ramesh Ponukara Govindaswamy Venkatesan “Performance study of randomly coupled erbium-doped fiber amplifier using machine learning”, Optical Engineering, July 2021 • Vol. 60(7). https://ui.adsabs.harvard.edu/abs/2021OptEn..60g6101K/	1.084	SCI
3.	Parthasarathy Ramanujam , Krishnamurthy Ramanujam, Manimaran Ponusamy A novel asymmetrical interdigital coupled line-based penta-band bandpass filter design with enhanced selectivity employing square complementary split ring resonator, International Journal of RF and Microwave Computer Aided Engineering, e22888, August 2021, https://doi.org/10.1002/mmce.22888	1.694	SCI
4.	R. Prabhu , B. Parvathavarthini (2021) An enhanced approach for informal settlement extraction from optical data using morphological profile-guided filters: A case study of madurai city, International Journal of Remote Sensing, 42, 17, September2021,6692-6709, https://doi.org/10.1080/01431161.2021.1943039	3.151	SCI
5.	Senthil Murugan Boopalan., Swarnalatha Alagala, . & Avudaiammal. Ramalingam ,” A Memory Sparse Proportionate Affine Projection Algorithm for Echo Cancellation: Analysis and Simulations”. Arab J Sci Eng (Oct 2021). https://doi.org/10.1007/s13369-021-06219-w	2.334	SCI
6.	Ashok C and Venkateswaran N, “An Efficient Method for Resolving Ambiguity in DOA Estimation with Coprime Linear Array.” Circuits Systems and Signal Processing, November2021. doi.org/10.1007/s00034-021-01887-3 https://link.springer.com/content/pdf/10.1007/s00034-021-01887-3.pdf	2.225	SCI



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7.	Lingeshwaran Murugasamy and Ramprabhu Sivasamy,” A Novel Fractal Inspired Iterated Four- Legged Loaded Loop Elements Based 2.5-D Miniaturized Frequency Selective Surface”,IEEE Transactions on Electromagnetic Compatibility. December 2021. https://doi.org/10.1109/TEMC.2021.3095168	2.006	SCI
8.	A.M.Balamurugan , B. Karthikeyan and Homa Farmani “Nanoscale graphene plasmonics logic gate based on the plasma dispersion effect”. Opt QuantElectron 54, 259 (March 2022). https://doi.org/10.1007/s11082-022-03660-5 .	2.084	SCI
9.	S.Rajesh Kannan , J.Sivakumar, P.Ezhilarasi,”Automatic detection of COVID-19 in chest radiographs using serially concatenated deep and handcrafted features” Journal of X-Ray Science and Technology, In Press pp. 1-14, March 2022. DOI: 10.3233/XST-211050 https://pubmed.ncbi.nlm.nih.gov/34924434/	1.535	SCI
10.	G.Brindha, and P. Ezhilarasi ,” Topology Driven Cooperative Self Scheduling for Improved Lifetime Maximization in WSN”, Journal of Computer System Science and Engineering , Vol 45 issue no. 1, pp 445-458, March 2022. https://file.techscience.com/ueditor/files/csse/TSP_CSSE-45-1/TSP_CSSE_27329/TSP_CSSE_27329.pdf .	1.486	SCI
11.	P Thilagavathi, J Martin Leo Manickam ERTC: an Enhanced RSSI based Tree Climbing mechanism for well-planned path localization in WSN using the virtual force of Mobile Anchor Node, Journal of Ambient Intelligence and Humanized Computing, Vol. 12, No. 6, pp. 6665-6676, June 2021 https://link.springer.com/article/10.1007/s12652-020-02286-3	4.594	SCI
12.	Regan Rajendran, J. Martin leo manickam ,. An optimal strategy to countermeasure the impersonation attack in wireless mesh network. Int. j. inf. tecnol. 13, 1033–1038 (June 2021). https://doi.org/10.1007/s41870-021-00680-4		Scopus
13.	S.Rajeshkannan , Suman Mishra, T.R. Ganesh Babu and N.Mohankumar,”Effective Parametric Image Sequencing Technology with Aggregate Space Profound Training”, July 2021, Journal of Physics: Conference Series PAPER. https://ui.adsabs.harvard.edu/abs/2021JPhCS1964f2070		Scopus



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14.	Suman Mishra, S Rajeshkannan , N Mohankumar, and T R Ganesh Babu, VLSI based Implementation of Channel oriented ICA Processor for Biomedical systems, July 2021, Journal of Physics: Conference Series PAPER https://iopscience.iop.org/article/10.1088/1742-6596/1964/6/062086/meta		Scopus
15.	J Glory Precious, Shirley Selvan , and R. Avudaiammal, "Classification of Abnormalities in Breast Ultrasound Images Using ANN, FIS and ANFIS Classifiers: A Comparison", Journal of Physics: Conference Series, 1916 (Sept 2021) 012015, IOP Publishing, doi:10.1088/1742-6596/1916/1/012015 https://iopscience.iop.org/article/10.1088/1742-6596/1916/1/012015		Scopus
16.	Vasudevan Boobalan , Kishore Vijayam and Karasala Vendata Sai Charan, "A 120 Mbps WDM based VLC system for implementation of Internet of Things" "Journal of Optical Communication" De Gruyter, Oct 2021, 10.1515/joc-2021-0074		Scopus
17.	Kavitha C, Anita X, Shirley Selvan , Improving the efficiency of speculative execution strategy in HADOOP using Amazon Elasticache for REDIS, Journal of Engineering Science and Technology, Vol. 16, No. 6 (December 2021) 4864 - 4878 © School of Engineering, Taylor's University https://jestec.taylors.edu.my/Vol%2016%20Issue%206%20December%20%202021/16_6_35.pdf		Scopus
18.	Shirley Selvan , J Ferin Joseph, KT Dinesh Raj, and S Bertlyn Joseph, "Analysis and Classification of Active Sludge in wastewater", Journal of Physics: Conference Series, Volume 1916.		Scopus
19.	K. Venkatesan , A. Chandrasekar, P. G. V. Ramesh, " DWDM reconstruction using supervised and unsupervised learning approaches", Journal of Optoelectronics and Advanced Materials - Rapid Communications, Vol15, 9-10, September-October 2021, pp.459-470.	0.556	SCI



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1	G.Anitha , Paroma Roy, S.Nashita, " E-Seek : An RFID based location tracking system", 6th International Conference on Communication and Electronics Systems August 2021.	Scopus	
2	Balamurugan, A.M. , Anitha, G., Victoria Jancee. B., " Secured Header Authentication Design using Time Competent HMAC for Optical Burst Switched Networks", Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, pp. 311–315, 9489016. August 2021	Scopus	
3.	R. Avudaiammal , K. Jasmine Mystica, K.P Ravindran ,Renjith George, "IMD Signaling Based Automated Safety Aid System for Fishermen", Virtual International Conference on Futuristic Communication and Network Technologies,792, pp. 315–323 Oct 2021	Scopus	
4	R. Avudaiammal , M. S. Sowmyaa Vathsan and S. O. Sivashanmugam, " QoS-Driven AODV Algorithm for WSN"International Conference on Futuristic Communication and Network Technologies , Oct 2021.	Scopus	
5	R.Avudaiammal ,S.Devipriya,Dr.A.Swarnalatha,R. Vijayarajan" " An Efficient Hybrid denoising method for remote sensing images", International Conference on Futuristic Communication and Network Technologies , Oct 2021.	Scopus	
6	Jeipratha P N , Vasudevan.B. , " Effective Implementation of Neural Network Model with Tune Parameter for Stock Market Predictions", Proceedings - 2nd International Conference on Smart Electronics and Communication, ICOSEC 2021, 2021, pp. 1038–1042.	Scopus	