

Department of Computer Science & Engineering

Journal Publications

Year : 2021-2022

S.No	Authors Name	Paper Title	Journal Name	Volume Number, Issue No and Page No	Online Link
1	Dr. M. Chinnadurai, S.Palani Murugan, E. Elakiya	An IoT based Green Home Architecture for Green Score Calculation towards Smart Sustainable Cities	KSII Transactions on Internet and Information Systems	Vol. 15, NO. 7, Jul. 2021	https://doi.org/10.3837/tis.2021.07.00
2	S. Palani Murugan, Dr. M. Chinnadurai	Tour Planning Design for Mobile Robots Using Pruned Adaptive Resonance Theory Networks	Computers, Materials & Continua	70(1), 181–194, doi:10.32604/cmc.2022.016152	doi:10.32604/cmc.2022.016152
3	K.Kalaivani, Dr.M.Chinnadurai	A Hybrid deep learning intrusion detection model for fog computing environment	Intelligent Automation & soft computing,	ISSN: 2326-005X (online) Vol.30, No.1, 2021, pp.1-15	DOI:10.32604/iasc.2021.017515
4	Dr.M.Chinnadurai	Virtualized Load Balancer for Hybrid cloud using Genetic Algorithm	Intelligent Automation & Soft Computing	Vol.32, No.3, pp. 1459-1466, 2022,	10.32604/iasc.2022.022527
5	Dr.S.Kannan	An enhanced design and random optimization for oversampling $\Delta\Sigma$ modulator	Springer Journal of Ambient Intelligence and Humanized Computing	Vol.12, pp.5751-5762, June 2021	https://www.researchgate.net/publication/341612184_An_enhanced_design_and_random_optimization_for_oversampling_modulato
6	Dr.S.Kannan	Intrusion Detection System for Energy Efficient Cluster 28based Vehicular Adhoc Networks	Intelligent Automation & Soft Computing	Vol.32, No.1, 2022, pp.323337	https://www.techscience.com/iasc/v32n1/45289
7	Dr.M.Chinnadurai	Novel mechanism for Fault tolerance in federated cloud Environment	Journal of Environmental protection and Ecology	Vol.22 Issue 04 pp.1641-1651	https://scibulcom.net/en/article/SPVK2XRv4gQSnOJn1v1c
8	Dr.M.Chinnadurai	Green and Sustainable Mobile Robots Design - a MCDM Approach	Research Square-Springer	https://doi.org/10.21203/rs.3.rs-930297/v1	https://doi.org/10.21203/rs.3.rs-930297/v1
9	Dr.M.Chinnadurai	Threshold based Support Vector Machine Learning	International Journal of Computers,	Vol. 16 Issue 6, p1-16. 15p.	https://doi.org/10.15837/ijcc.2021.6.4305

		Algorithm for Sequential Patterns.	Communications & Control		
10	M.Rajkumaran	Security for the Networked Robot Operating System for Biomedical Applications	Journal of Medical Imaging and Health Informatics	11, 2937–2949 (2021)	
11	P.Anandraj	Metaheuristic Based Resource Scheduling Technique for Distributed Robotic Control Systems	Computer Systems Science & Engineering	vol.42, no.2	10.32604/csse.2022.022107
12	Mr.J.Noorul Ameen	Evolutionary algorithm based adaptive load balancing (EA-ALB) in cloud computing framework	Intelligent Automation and Soft Computing	Accepted	ISSN:2326-005X
13	Mr.J.Noorul Ameen	Competitive resource allocation in HETNETS: pricing , bandwidth allocation and spectrum sharing.	International Research journal of Engineering and Technology	Volume 8, Issue 6	https://www.irjet.net/archives/V8/i6/IRJET-V8I6559.pdf e-ISSN: 2395-0056 p-ISSN: 2395-0072
14	Mrs.K.Rajammal Mrs.Santhiya	Single round cluster head selection (SRCH) algorithm for energy efficient communication in WSN	Pervasive Computing and Social Networking, Springer	Volume 317, pages-639-652	https://link.springer.com/chapter/10.1007/978-981-16-5640-8_48

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1	Dr. M.Chinnadurai	Evaluation of Students Performance in Educational Sciences and Prediction of Future Development using Tensor Flow	International Journal of Engineering Education	Vol. 36, No. 6, pp. 1–8, 2020, 0949-149X/91, TEMPUS Publications	https://www.ijee.ie/1atestissues/Vol36-6/07_ijee3988.pdf
2	Dr. M.Chinnadurai	A Competent Ad-hoc Sensor Routing Protocol for Energy Efficiency in Mobile Wireless Sensor Networks	<u>Wireless Personal Communications</u> , Springer	116, pages829–844 (2021) https://doi.org/10.1007/s11277-020-07741-0	https://link.springer.com/article/10.1007/s11277-020-07741-0
3	Dr. M.Chinnadurai	Effective Energy Adaptive and Consumption in Wireless Sensor Network Using Distributed Source Coding	<u>Wireless Personal Communications</u> , Springer	118, pages1393–1404 (2021)	https://doi.org/10.1007/s11277-021-08081-3

		and Sampling Techniques			
4	Dr. M.Chinnadurai	<u>An Identity-Based Secure and Optimal Authentication Scheme for the Cloud Computing Environment</u>	Computers, Materials & Continua	Vol.69, No.1, 2021, pp.1057-1072,	https://www.techscience.com/cm/v69n1/42730
5	Dr.R.Manivannan Dr.M.Chinnadurai	Analysis of Energy efficient and network traffic delay in wireless networks using channel aware routing.	WILEY-Emerging Telecommunication Technologies	Vol.31, Issue12, August 2020 DOI: https://doi.org/10.1002/ett.4089	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4089
6	Dr.M.Chinnadurai	<u>Mobile robots and evolutionary optimization algorithms for green supply chain management in a used-car resale company</u>	Environment, Development and Sustainability-Springer Netherlands	Volume 23 Issue 6 Pages 9110-9138	https://link.springer.com/article/10.1007/s10668-020-01015-2
7	Dr.M.Chinnadurai	Lifetime Maximizing Dynamic Energy Efficient Routing Protocol With Mimo For Energy Efficient Information Transmission In The Sensor Networks	Caribbean Journal of Science	Volume 53, ISSUE 2 (MAY - AUG), 2019 Caribbean Journal of Science ISSN: 0008-6452	https://www.researchgate.net/publication/340051700
8	Dr.M.Chinnadurai	Dynamically Changing Parameters Particle Swarm Optimization (DCPPSO) Based Trajectory Planning of 3-Links Articulated Robot	Advances in Interdisciplinary Engineering-Springer, Singapore	pp 337-344	https://doi.org/10.1007/978-981-15-9956-9_34
9	Dr.M.Chinnadurai	An queueing model with improved delay sensitive medical packet transmission scheduling system in e-health networks	J Ambient Intell Human Computing	12, 3493–3504 (2021)	https://doi.org/10.1007/s12652-020-02756-8
10	Dr.M.Chinnadurai	<u>Wheeled mobile robot trajectory planning using evolutionary techniques</u>	<u>Advances in Interdisciplinary Engineering</u> , Springer, Singapore.	pp 291-301	https://doi.org/10.1007/978-981-15-9956-9_29
11	S.Praveen Kumar, Dr.S.kannan	Hybridized model with Activity load adjusting and QOS for Wi-Fi network System	Intelligent Automation & soft computing,	ISSN: 2326-005X (online) Vol.27, No.2, 2021 pp. 299-309, x	DOI:10.32604/iasc.2021.013310
12	Dr. M. Chinnadurai	Prediction of Human Motion Detection in Video Surveillance Environment Using Tensor Flow	International Journal of Advanced Science and Technology	Vol. 29 No. 05 (2020)	http://sersc.org/journals/index.php/IJAST/article/view/11386

13	Dr.R.Manivannan, Dr.S.Kannan	Computational analysis of PM sparkles	Journal of Xian University of architecture and technology	Issn No : 1006-7930	http://www.xajzkjdx.cn/gallery/5-mar2020.pdf
14	Dr.S.Kannan Dr.M.Chinnadurai	Electronic transport, HOMO-LUMO and computational studies of CuS monowire for nano devices fabrication by DFT approach	Materials today: Proceedings. Sciences Direct, Elsevier	Vol33, part 7, 2020, page : 2746-2749	https://doi.org/10.1016/j.matpr.2020.01.574
15	Dr.M.Chinnadurai	<u>Comparison of adsorption energy, ionization potential and electron affinity of CuS-ACT and CuS-Nit nanostructures monowire for nano device fabrication by computational approach</u>	Materials Today: Proceedings , Elsevier	Volume 33 Pages 2759-2760	
16	Mrs.B.Ranjani	Digitalized library management system using RFID technology	International Research Journal of Modernization in Engineering Technology and Science	Volume 3 Issue 5	e-ISSN: 2582-5208 https://www.irjmets.com/uploadedfiles/paper/volume3/issue_5_may_2021/9601/1628083386.pdf

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1	Dr.M. Chinnadurai	Performance validation of clustering algorithms using selection of attributes and application of filters in terms of data reduction	Concurrency Computation Practices and Experience	https://onlinelibrary.wiley.com/doi/epdf/10.1002/cpe.5364	https://doi.org/10.1002/cpe.5364
2	Dr.M. Chinnadurai	Optimal autonomous mobile robot motion planning for green logistics	<u>International Journal of Productivity and Quality Management</u>	Vol. 28, No. 1, September 23, 2019, pp 68-89	https://www.inderscienceonline.com/doi/abs/10.1504/IJPM.2019.102442
3	Dr. M.Chinnadurai	Evolutionary Algorithms-Based Multi-Objective Optimal Mobile Robot Trajectory Planning	Robotica	Volume 37 , Issue 8 , August 2019 , pp. 1363 - 1382; https://doi.org/10.1017/S026357471800156X	https://www.cambridge.org/core/journals/robotica/article/evolutionary-algorithmsbased-multiobjective-optimal-mobile-robot-trajectory-planning/35CD9E5148EEE5C88E2FF6511B7FC2D2
4	Dr. M.Chinnadurai	Energy efficient	<u>Computer</u>	Volume 153,	https://www.sciencedirect.com/

		routing algorithm in wireless body area networks for smart wearable patches	<u>Communications</u> , Elsevier	1 March 2020, Pages 85-94, ISSN 0140-3664, https://doi.org/10.1016/j.comcom.2020.01.069	science/article/abs/pii/S0140366419315373
5	Dr.S.Kannan	An enhanced design and random optimization for oversampling modulator	<u>Journal of Ambient Intelligence and Humanized Computing</u> , Springer	12, 5751–5762 ,May 2020 https://doi.org/10.1007/s12652-020-02106-8	https://link.springer.com/article/10.1007/s12652-020-02106-8
6	Dr.M. Chinnadurai	Cloud-based robotic system for crowd control in smart cities using hybrid intelligent generic algorithm	Journal of Ambient Intelligence and Humanized Computing, Springer	11, pages 6293–6306 (2020) https://doi.org/10.1007/s12652-020-01758-w	https://link.springer.com/article/10.1007/s12652-020-01758-w
7	E.Elakiya	In text mining: detection of topic and sub-topic using multiple spider hunting model	<u>Journal of Ambient Intelligence and Humanized Computing</u>	12, 3571–3580 (2021)	https://doi.org/10.1007/s12652-019-01588-5
8	K.Balasubramanian Dr.S.Kannan	Onion Routing in Anonymous Network	Applied Mathematics & Information Sciences	13, No. S1, 247-253 (2019)	http://www.naturalspublishing.com/files/published/8h488hy44pk31k.pdf
9	Dr.S.Kannan Dr.M.Chinnadurai	Electronic transport, HOMO-LUMO and computational studies of CuS monowire for nano devices fabrication by DFT approach	Materials today: Proceedings. Sciences Direct, Elsevier	Vol. 33, part 7, 2020, page : 2746-2749	https://doi.org/10.1016/j.matpr.2020.01.574
10	Dr.M. Chinnadurai	<u>Comparison of adsorption energy, ionization potential and electron affinity of CuS-ACT and CuS-Nit nanostructures monowire for nano device</u>	Materials Today: Proceedings Publisher Elsevier	Volume 33 Pages 2759-2760	https://doi.org/10.1016/j.matpr.2020.01.579

		<u>fabrication by computational approach</u>			
11	Dr. M. Chinnadurai	Real Time Traffic Flow Prediction and Intelligent Traffic Control from Remote Location for Large-Scale Heterogeneous Networking using Tensor Flow	International Journal of Future Generation Communication and Networking	ISSN: 2233-7857, Vol.13, No.1, (2020), pp.1006-1012	http://sersc.org/journals/index.php/IJFGCN/article/view/7557/4410
12	Dr.T.Ganesan	Detecting and avoiding the stress level by user through social networks (DCNN classifier)	AEGAEUM journal	Volume 8 Issue 3 2020 Pg no: 851-857	http://www.aegaeum.com/gallery/agm.j-2520.92-f.pdf
13	Dr.N.Murali	A survey on Tensor based outlier detection methodologies in internet of things.	High technology Letters	Volume 26, Issue 9 2020 pg no:554-564	http://www.gjstx-e.cn/gallery/45-sep2020.pdf
14	Mrs.K.Kalaivani Dr.M.Chinnadurai Mr.P.Thamarikannan	Retinal Ophthalmology disease predictions using convolutional neural network in ocular fungus images	AEGAEUM journal	Volume 8 Issue 3 2020 Pg no:456-463	http://aegaeum.com/gallery/agm.j-2580.12-f.pdf
15	Mr.A.Baskar	An efficient approach to data preserving and privacy maintenance for trust aware recommendation in social networks using algorithms.	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:107-114	http://aegaeum.com/gallery/agm.j-2465.48-f.pdf
16	Mr.K.Balasubramanian Dr.S.Kannan	Parametric strategies for anomaly identification in total traffic	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:703-714	http://aegaeum.com/gallery/agm.j-2641.73-f.pdf

17	Mr.K.Balasubramanian Dr.S.Kannan	<u>Recognition And Investigation Of Listening In Anonymous Communication Systems</u>	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:703-714	http://aegaeum.com/gallery/agm.j-2642.74-f.pdf
18	Mr.S.Praveen Kumar	Scheduled the permanence and best possible highest throughput of WPCN with multi packet reception capacity	High technology Letters	Volume 26, Issue 9 2020 pg no:601-608	http://gjstx-e.cn/gallery/49-sep2020.pdf
19	Mr.M.Markco	Authentication and key management with session based Automated key updation	High technology Letters	Volume 26, Issue 9 2020 pg no:565-571	http://gjstx-e.cn/gallery/46-sep2020.pdf
20	Mr.G.Arulselvan	Dynamic Monitoring of Evolved multimedia broadcast / multicast services (eMBMS) in LTE- advanced multicast System	Journal of Xidian University	Volume 14, Issue 5 2020 ISSN NO:1001-2400	https://doi.org/10.37896/jxu14.5/526
21	Dr.R.Manivannan Mr.K.Balasubramanian Mr.M.Markco	Component-Based Framework For Exchanging Information In Blockchain Using Sepsis	High technology Letters	Volume 26, Issue 9 2020 pg no:596-600	http://gjstx-e.cn/gallery/48-sep2020.pdf
22	Dr. M. Chinnadurai	<u>Intelligent and deep learning approach OT measure E-learning content in online distance education</u>	The Online Journal of Distance Education and e-Learning	Volume 7, Issue 3 Pages 199	http://www.tojdel.net/journals/tojdel/volumes/tojdel-volume07-i03.pdf#page=57
23	Mr.J.Noorul Ameen	A secure medical data sharing using block chain techniques in cloud	International journal for Science and Advanced Research in Technology	Volume 5 Issue 2	ISSN [ONLINE]: 2395-1052 http://ijsart.com/Home/IssueDetail?id=29439