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Publication

1. M. V. Ranjith Kumar, N. Bhalaji, "Blockchain Based Chameleon Hashing Technique for Privacy Preservation in E-Governance System", Wireless Personal Communications (Springer) (IF=1.060)
2. V Arul Kumar, N Bhalaji "Performance analysis of nature inspired load balancing algorithm in cloud environment", Journal of Ambient Intelligence and Humanized Computing, 2020, Vol.11, no.5, pp.1-8, (IF=4.594)
3. V. Arul Kumar, N. Bhalaji, "Load balancing in cloud computing using water wave algorithm", in Concurrency and Computation Practice and Experience, 2020, pp.1-10 (IF=1.16)
4. N. Bhalaji, S.Venkatesh "Enhanced analysis of border surveillance using intruders crossing strategies", Soft computing, Springer doi: <https://doi.org/10.1007/s00500-019-03962-z>, 2019,(IF=2.37)
5. K. Kabilan , N. Bhalaji , Chithra Selvaraj , Mahesh Kumar B , Karthikeyan P T R, "Performance analysis of IoT protocol under different mobility models", Journal of Computer and Electrical Engineering , Elsevier, 2018, pp.754-168 (IF=2.18)
6. M Srividya, S Mohanavalli, N Bhalaji "Behavioural Modeling for Mental Health using Machine Learning Algorithms", Journal of medical systems (Springer), Volume 42, Issue 5, Pages 88 (IF=2.45)
7. Sundhara Kumar KB, G Krishna, N Bhalaji, S Chithra, "BCI Cinematics—A pre-release analyser for movies using H2O deep learning platform", Journal of Computer and Electrical Engineering, Elsevier, (IF=1.74)
8. M. V. Ranjith Kumar, N. Bhalaji, Swathi Singh "An augmented approach for pseudo-free groups in smart cyber physical system", Cluster Computing (Springer) (IF=2.040)
9. NVS Sree Rathna Lakshmi, S.Babu, N Bhalaji, "Analysis of clustered QoS routing protocol for distributed wireless sensor network" Journal of Computer and Electrical Engineering , Elsevier, (IF = 1.084)
10. N.Bhalaji, M.Kathiravan "Mining Frequent And Infrequent Aspect Extraction For Sentiment Classification Using Online Reviews" Journal of Computational and Theoretical Nanoscience, (IF = 1.665)
11. M. Umaparvathi N. Bhalaji S. Jothi Prasanna and N. Parthiban "Analysis of Creido Enhanced Chord Overlay Protocol under Different Movement Models in Delay Tolerant Networks" Wireless Personal Communications, April 2016, pp.1-17. (IF = 0.653)

12. NVS Sree Rathna Lakshmi, N Bhalaji, B Sivakumar "On the Construction of QoS Based Overlay Architecture for Wireless Local Area Network" Wireless Personal Communications, pp.1-13. (IF = 0.653)
13. B.Sivakumar, Dr.N.Bhalaji, Dr.D.Sivakumar "A survey on Investigating the Need for Intelligent Power- Aware Load Balanced Routing Protocols for handling Critical Links in MANETs" the scientific world journal (Recent issues in advanced Information Technology, Volume 2014, Article ID 138972, 12 pages, <http://dx.doi.org/10.1155/2014/138972> (IF = 1.730)
14. M.Kathiravan, N. Bhalaji, "Online Opinion Mining System to predict the quality of state Uniform system of School Education", The Online Journal of Distance Education and e-Learning, vol.6 (1), pp.45- 59.
15. N. Bhalaji, K.B.Sundhara kumar, S.Chithra "Empirical Study of Feature Selection Methods over Classification Algorithms" in International Journal of Intelligent Systems Technologies and Applications, Volume 17, Issue 1-2, Pages 98-108, 2018 (SJR = 0.151 SNIP = 0.692)
16. M. Kathiravan, N. Bhalaji "Mining comparative Reviews from web to rank competitors' status for Business Intelligence", International Journal of Pure and Applied Mathematics, Volume 101, Issue 5, pp.877-892. (SJR=0.322)
17. S. Chithra, N. Bhalaji "Enhanced Portable Text to Speech Converter for visually impaired" in International Journal of Intelligent Systems Technologies and Applications, Volume 17, Issue 1-2, Pages 42-54, 2018 (SJR = 0.151 SNIP = 0.692)
18. Vaikkunth Mugunthan, Shrihari.S, N.Bhalaji "Analysis of New L5 Algorithm Embedded with Modified AES Algorithm in Address Allocation Schemes" in Journal of Telecommunication, Electronic and Computer Engineering, Vol. 8 No. 6, pp. 133-136. (SJR = 0.1)
19. N.Bhalaji, Mercy Devadas "Qos In Genetic Algorithm Derived Fuzzy Based Ad-Hoc Network", International Journal of Pure and Applied Mathematics, Volume 101, Issue 5, pp.877-892. (SJR=0.322)
20. E.Umamaheswari, Dr.N.Bhalaji , Dr. D.K.Ghosh and Evaluating Metrics At Class And Method Level For Java Programs Using Knowledge Based Systems", ARPN Journal of Engineering and Applied Science, Vol. 10, No. 5, March 2015 pp.2047-2052. (SJR=0.213)
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22. N.Bhalaji, Dr.A.Shanmugam "Defense Strategy using Trust Based model to mitigate Active attacks DSR Based MANET" Journal of Advances in Information Technology, Vol. 2, No. 2, May 2011. pp. 92-98. ISSN 1798-2340 (INSPEC, ULRICH, CABELL, GOOGLE, DOAJ, DOI)

23. Sundhara Kumar K.B and Dr. N. Bhalaji “A novel hybrid RNN-ELM architecture for crime classification” in Lecture Notes on Data Engineering and Communications Technologies, vol 44. Springer, Cham. pp 876-882, 2020, (https://doi.org/10.1007/978-3-030-37051-0_98)
24. V. Arul Kumar, N. Bhalaji, “Resource Scheduling algorithms for Cloud Computing Environment: a Literature Survey”, in Lecture Notes in Networks and Systems and Systems, vol 89. Springer, Singapore. pp.1059-1069, 2020 https://doi.org/10.1007/978-981-15-0146-3_102
25. N. Bhalaji, P. C. Abilashkumar, S. Aboorva “A Blockchain Based Approach for Privacy Preservation in Healthcare IoT”, in ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management, pp.465-473
26. N. Bhalaji, K. S. Hariharasudan, K. Aashika, “A Trust Based Mechanism to Combat Blackhole Attack in RPL Protocol” in ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management, pp.465-473
27. K Kabilan, N Bhalaji, S Chithra “Analysis of 6LOWPAN and CoAP Protocols for Maternal Health Care”, In Lecture notes in Electrical Engineering (Microelectronics, Electromagnetics and Telecommunications) 2019, pp.171-180
28. N. Bhalaji, Jayaram Hariharakrishnan “A Novel Approach towards Enhancing the of Trust Based RPL Protocol in Internet of Things”, in Springer Communications in Computer and Information Science, pp 813-822, 2019
29. G G., G K., N Bhalaji (2017) Electroencephalography Based Analysis of Emotions among Indian Film Viewers. In: Singh D., Raman B., Luhach A., Lingras P. (eds) Advanced Informatics for Computing Research. Communications in Computer and Information Science, vol 712. Springer, Singapore, pp. pp 145-155,
30. K.B.Sundharakumar, N.Bhalaji “A Study on Classification algorithms for crime records, Smartcom 2016) , ACM Udaipur Chapter , Jaipur, Rajasthan, Aug 6-7, 2016, Communications in Computer and Information Science, vol 628, pp. 873–880, ISBN:978-3- 642-14477-6 (Print) 978-3- 642-14478- 3 (Online) (SJR=0.16)
31. Bhalaji N., Prasanna S.J., Parthiban N. (2017) Performance Analysis of CREIDO Enhanced Chord Overlay Protocol for Wireless Sensor Networks. In: Satapathy S., Bhateja V., Joshi A. (eds) Proceedings of the International Conference on Data Engineering and Communication Technology. Advances in Intelligent Systems and Computing, Springer, vol 468, pp. 489-499. Print ISBN978-981-10-1674-5, Online ISBN 978-981-10-1675-2
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33. N. Bhalaji, Dr. A. Shanmugam “A Trust Based Technique To Isolate Non-forwarding Nodes In DSR Based Mobile Adhoc Networks” CNSA-2010), July 23-25, Chennai,

- LNCS-CCIS, Springer-Verlag, Volume (90), pp.123-131, ISSN: 1865-0929(Print), 1865-0937(Online), DOI: 10.1007/978-3-642-14478-3, ISBN:978-3-642-14477-6 (Print) 978-3-642-14478-3 (Online) (SJR=0.041)
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 35. N. Bhalaji.et.al “Trust based approach to combat cooperative blackhole attack in Manet” BAIP-2010, March26-27, Trivandrum, LNCS-CCIS, Springer-Verlag, Berlin Heidelberg Volume (70), pp 468-474.ISSN: 1865-0929(Print), 1865-0937(Online), DOI: 10.1007/978-3-642-12214-9. (SJR=0.041)
 36. N. Bhalaji, Nandini SundaraRaman, “Natural Disaster Impact Assessment Using Genetic Algorithm” BAIP-2010, March26-27, Trivandrum, LNCS- CCIS, Springer-Verlag, Volume (70) Springer- Verlag, Berlin Heidelberg, pp 521-526. ISSN: 1865-0929(Print), 1865-0937(Online), DOI: 10.1007/978-3-642-12214-9. (SJR=0.041)

Conference Publication

1. M. Pruthvi, S. Karthika, N. Bhalaji “SMART COLLEGE”- Study of Social Network and IoT Convergence “2nd IEEE International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018), 30-31 August 2018 by SCAD Institute of Technology at Palladam, (Scopus indexed)
2. N. Bhalaji, S. Chithra, K. Kabilan “Performance Analysis of RPL Protocol for Water Quality Assessment “2nd IEEE International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018), 30-31 August 2018 by SCAD Institute of Technology at Palladam, India. (Scopus indexed)
3. B. Gnanamozhi, N. Bhalaji, “Deployment of Overlay Networks in IoT Applications” in Proceedings of IEEE -ICECA 2017, Vol.2, pp.114-119 (Scopus indexed)