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2.	Pivot variable location-based clustering algorithm for reducing dead nodes in wireless sensor networks	Jancy, S., Jayakumar, C.	2019	Neural Computing and Applications 31(5), pp. 1467-1480
3.	Comparative Study of Syntactic Search Engine and Semantic Search Engine: A Survey	Sheela, A.C.S., Jayakumar, C.	2019	5th International Conference on Science Technology Engineering and Mathematics, ICONSTEM 2019 pp. 1-4
4.	Low volume brain tumor extraction	Shabu, S.L.J., Jayakumar, C., Christy, A., Naveena, P., Sri, G.K.	2019	Journal of Computational and Theoretical Nanoscience 16(8), pp. 3270-3275
5.	Comparison of multimodal image fusion in brain tumor detection by ABC optimization and genetic algorithm	Shabu, S.L.J., Jayakumar, C.	2019	Journal of Advanced Research in Dynamical and Control Systems 11(2), pp. 308-317
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7.	SEC approach for detecting node replication attacks in static wireless sensor networks	Sujihelen, L., Jayakumar, C., Senthilsingh, C.	2018	Journal of Electrical Engineering and Technology 13(6), pp. 2447-2455
8.	Multimodal image fusion and bee colony optimization for Brain Tumor Detection	Jany Shabu, S.L., Jayakumar, C.	2018	ARPN Journal of Engineering and Applied Sciences 13(8), pp. 2899-2904
9.	Inclusive Elliptical Curve Cryptography (IECC) for Wireless Sensor Network Efficient Operations	Sujihelen, L., Jayakumar, C.	2018	Wireless Personal Communications 99(2), pp. 893-914
10.	Trust based authentication technique for cluster based vehicular ad hoc networks (VANET)	Sugumar, R., Rengarajan, A., Jayakumar, C.	2018	Wireless Networks 24(2), pp. 373-382
11.	Various lossless compression techniques surveyed	Jancy, S., Jayakumar, C.	2018	ICONSTEM 2017 - Proceedings: 3rd IEEE International Conference on Science Technology, Engineering and Management 2018-January, pp. 65-68

12.	Multimodal image fusion using an evolutionary based algorithm for brain tumor detection	Jany Shabu, S.L., Jayakumar, C.	2018	Biomedical Research (India) 29(14), pp. 2932-2937
13.	Unique identity and localization based replica node detection in hierarchical wireless sensor networks	Rani, T.P., Jayakumar, C.	2017	Computers and Electrical Engineering 64, pp. 148-162
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15.	Trust based energy efficient clustering protocol in wireless sensor networks for military applications	Rani, T.P., Jayakumar, C.	2017	Communications in Computer and Information Science 721, pp. 201-209
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19.	Defence against mobile sink replication attack in wireless sensor networks	Tanguturi, R.C., Jayakumar, C.	2016	Sensor Letters 14(10), pp. 1026-1035
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36.	Authenticated anonymous communications for security enhancement in MANET	Jayakumar, C., Arthi, A., Lakshmi Devi, K.	2015	International Journal of Applied Engineering Research 10(20), pp. 17064-17069

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47.	Time account based path stabilization in MANET	Manimegalai, T., Jayakumar, C.	2014	Proceedings - 2014 World Congress on Computing and Communication Technologies, WCCCT 2014 pp. 299-302
48.	Protection of free roaming mobile agents using Customized root canal algorithm against malicious host attacks	Geetha, G., Jayakumar, C.	2014	Journal of Theoretical and Applied Information Technology 62(2), pp. 470-475
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50.	A unified framework for pervasive healthcare medical computing based on soa	Anandkumar, K.M., Jayakumar, C.	2013	Advances in Intelligent Systems and Computing 178, pp. 319-327
51.	Authentication solutions for Wireless Sensor Network based on Virtual certificate authority	Sujihelen, L., Jayakumar, C.	2013	Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, ICCPCT 2013 pp. 1003-1007
52.	A mobile transaction processing system to improve concurrency in mobile database	Mohana, M., Jayakumar, C.	2013	2013 IEEE International Conference on Computational Intelligence and Computing Research, IEEE ICCIC 2013
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55.	An efficient and secure key agreement scheme using physiological signals in body area networks	Rajasekaran, R.T., Manjula, V., Kishore, V., Sridhar, T.M., Jayakumar, C.	2012	ACM International Conference Proceeding Series pp. 1143-1147
56.	Multi-modal biometric approach to enable high security in mobile adhoc network	Chakravarthy, S.D., Kingsly, P.I., Sadhasivam, M., Jayakumar, C.	2012	ACM International Conference Proceeding Series pp. 1148-1154
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58.	Free roaming mobile agent's data protection against colluded truncation attacks	Geetha, G., JayaKumar, C.	2012	European Journal of Scientific Research 73(4), pp. 469-479
59.	Prevention of clone attacks in pervasive health care environments	Anandkumar, K.M., Jayakumar, C.	2012	European Journal of Scientific Research 72(3), pp. 348-359
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62.	An easy access to novel spiro-fused pyrrolo benzo[b]thiophene 1,1-dioxide derivatives via 1,3-dipolar cycloaddition using benzo[b]thiophene 1,1-dioxide	Lakshmi, N.V., Thirumurugan, P., Jayakumar, C., Perumal, P.T.	2010	Synlett (6), pp. 955-961
63.	Optimized on demand routing protocol of Mobile ad hoc network	Jayakumar, C., Chellappan, C.	2006	Informatica 17(4), pp. 481-502
64.	ANTHOC - QoS: Quality of service routing in mobile ad hoc networks using swarm intelligence	Thomas, A., Chellappan, C., Jayakumar, C.	2005	IET Conference Publications (496 CP),73
65.	Associativity based mobility-adaptive K-clustering in mobile Ad-hoc networks	Jayakumar, C., Chellappan, C.	2004	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 3356, pp. 160-168