

Anirban Kundu

List of Publications by Year in descending order

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112
papers

789
citations

840776

11
h-index

642732

23
g-index

117
all docs

117
docs citations

117
times ranked

652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Genomic Designing Towards Biotic Stress Resistance in Mungbean and Urdbean. , 2022, , 381-414. | | 5 |
| 2 | Cellular Automata based Cryptography Model for Reliable Encryption Using State Transition in Wireless Network Optimizing Data Security. Wireless Personal Communications, 2021, 119, 877-918. | 2.7 | 1 |
| 3 | Exploring the GRAS gene family in common bean (Phaseolus vulgaris L.): characterization, evolutionary relationships, and expression analyses in response to abiotic stresses. Planta, 2021, 254, 84. | 3.2 | 12 |
| 4 | Evaluation of Reliable Data Storage in Cloud Using an Efficient Encryption Technique. , 2021, , 758-772. | | 0 |
| 5 | Cloud Based e-Feedback Services Using Performance Analysis: A Linear Approach. Lecture Notes in Computer Science, 2021, , 181-212. | 1.3 | 0 |
| 6 | Data Analysis in Social Network: A Case Study. Lecture Notes in Computer Science, 2021, , 112-136. | 1.3 | 0 |
| 7 | An Automated Reflector Based Traffic Signal System. Advances in Intelligent Systems and Computing, 2021, , 157-167. | 0.6 | 0 |
| 8 | Performance Enhancement of Cloud Based Storage using Disk Scheduling Technique. International Journal of Cloud Applications and Computing, 2020, 10, 46-63. | 2.0 | 4 |
| 9 | Performance Analysis of Multilingual Encryption for Enhancing Data Security using Cellular Automata based State Transition Mapping: A Linear Approach. , 2020, , . | | 2 |
| 10 | Zone based Indexing Model for Database Identification in Search Query Processing. , 2020, , . | | 0 |
| 11 | Datacenter Selection in Cloud Framework for Efficient Load Distribution Using a Fuzzy Approach. Lecture Notes in Computer Science, 2020, , 423-436. | 1.3 | 1 |
| 12 | Agent Based Noise Detection Using Real Time Data Analysis Towards Green Environment. , 2020, , 539-560. | | 0 |
| 13 | Zone Specific Index Based Model for Data Storage Identification in Search Query Processing. Lecture Notes in Computer Science, 2020, , 448-458. | 1.3 | 0 |
| 14 | Analysis on Data Transmission using LIFI. , 2020, , . | | 5 |
| 15 | DeMux Controlled Sensor Based Smart Irrigation System. , 2020, , . | | 2 |
| 16 | Optimization of Waiting Time in a Traffic Signal: An Automated Approach. , 2020, , . | | 0 |
| 17 | Smart Cart: A Distributed Framework. , 2020, , . | | 0 |
| 18 | Advanced Cloud based Task Scheduling Architecture to Optimize Performance in Datacenter. , 2020, , . | | 1 |

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|----|---|-----|-----------|
| 19 | Analysis on Speech Recognition for Automation. , 2020, , . | | 1 |
| 20 | Software for Feedback System Using Adaptive Categorization and Authenticated Recommendation. International Journal of Open Source Software and Processes, 2019, 10, 37-69. | 0.6 | 1 |
| 21 | Complex molecular mechanisms underlying MYMIV-resistance in Vigna mungo revealed by comparative transcriptome profiling. Scientific Reports, 2019, 9, 8858. | 3.3 | 25 |
| 22 | Preliminaries on Cellular Automata. Cognitive Intelligence and Robotics, 2019, , 29-35. | 0.6 | 0 |
| 23 | Evaluation of Reliable Data Storage in Cloud Using an Efficient Encryption Technique. Advances in Computer and Electrical Engineering Book Series, 2019, , 229-242. | 0.3 | 2 |
| 24 | Design of SMACA. Cognitive Intelligence and Robotics, 2019, , 37-50. | 0.6 | 0 |
| 25 | Cellular Automata in Web-Page Ranking. Cognitive Intelligence and Robotics, 2019, , 65-74. | 0.6 | 0 |
| 26 | Introducing Eco Friendly Urban Traffic Control Room. , 2019, , 707-729. | | 0 |
| 27 | Multi-Agent-Based Analysis and Design of Decision-Support System for Real-Time Environment Control. International Journal of Green Computing, 2018, 9, 1-19. | 0.6 | 1 |
| 28 | On the Exploration of Equal Length Cellular Automata Rules Targeting a MapReduce Design in Cloud. International Journal of Cloud Applications and Computing, 2018, 8, 1-26. | 2.0 | 5 |
| 29 | An Eco-Friendly Efficient Cloud-Searching Technique With Delay. International Journal of Green Computing, 2018, 9, 20-34. | 0.6 | 1 |
| 30 | High throughput sequencing reveals modulation of microRNAs in Vigna mungo upon Mungbean Yellow Mosaic India Virus inoculation highlighting stress regulation. Plant Science, 2017, 257, 96-105. | 3.6 | 46 |
| 31 | A cost-efficient one time password-based authentication in cloud environment using equal length cellular automata. Journal of Industrial Information Integration, 2017, 5, 17-25. | 6.4 | 24 |
| 32 | Experimental Analysis on Big Data in IOT-Based Architecture. Advances in Intelligent Systems and Computing, 2017, , 1-9. | 0.6 | 6 |
| 33 | Introducing Eco Friendly Urban Traffic Control Room. International Journal of Green Computing, 2017, 8, 77-97. | 0.6 | 0 |
| 34 | Energy Efficient CA based Page Rank Validation Model. International Journal of Green Computing, 2017, 8, 59-76. | 0.6 | 10 |
| 35 | Agent Based Noise Detection Using Real Time Data Analysis Towards Green Environment. International Journal of Green Computing, 2017, 8, 37-58. | 0.6 | 0 |
| 36 | Design of social network architecture. , 2016, , . | | 1 |

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| 37 | A parallel technique for storage defragmentation in cloud. , 2016, , . | | 0 |
| 38 | Analyses of MYMIV-induced transcriptome in Vigna mungo as revealed by next generation sequencing. Genomics Data, 2016, 7, 226-228. | 1.3 | 10 |
| 39 | Design of IOT based Architecture Using Real Time Data. Advances in Intelligent Systems and Computing, 2016, , 641-650. | 0.6 | 3 |
| 40 | Energy Stability in Cloud for Web Page Ranking. Advances in Intelligent Systems and Computing, 2016, , 621-630. | 0.6 | 6 |
| 41 | Cloud Based Thermal Management System Design and Its Analysis. Advances in Intelligent Systems and Computing, 2016, , 519-528. | 0.6 | 1 |
| 42 | Introducing Eco Friendly Corporate System. International Journal of Green Computing, 2016, 7, 1-24. | 0.6 | 5 |
| 43 | Priority-Based Classification: An Automated Traffic Approach. Advances in Intelligent Systems and Computing, 2016, , 35-46. | 0.6 | 0 |
| 44 | Mungbean Yellow Mosaic India Virus (MYMIV)-infection, Small RNA Library Construction and Deep Sequencing for MicroRNA Identification in Vigna mungo. Bio-protocol, 2016, 6, . | 0.4 | 0 |
| 45 | Web Based System Design Using Session Relevancy. Advances in Intelligent Systems and Computing, 2016, , 631-639. | 0.6 | 0 |
| 46 | Analysis of sequences generated by ELCA-type Cellular Automata targeting noise generation. , 2015, , . | | 4 |
| 47 | Web page ranking using domain based knowledge. , 2015, , . | | 3 |
| 48 | Transcript Dynamics at Early Stages of Molecular Interactions of MYMIV with Resistant and Susceptible Genotypes of the Leguminous Host, Vigna mungo. PLoS ONE, 2015, 10, e0124687. | 2.5 | 32 |
| 49 | Extraction of Small RNA and qPCR Validation of miRNAs in Vigna mungo. Bio-protocol, 2015, 5, . | 0.4 | 1 |
| 50 | Domain-Based Dynamic Ranking. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 262-279. | 0.5 | 2 |
| 51 | An Approach on Cloud Disk Searching Using Parallel Channels. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 280-304. | 0.5 | 2 |
| 52 | Energy Based Web Page Ranking. International Journal of Artificial Life Research, 2015, 5, 27-40. | 0.1 | 5 |
| 53 | Introducing Link Based Weightage for Web Page Ranking. International Journal of Artificial Life Research, 2015, 5, 41-55. | 0.1 | 2 |
| 54 | Page Ranking Validation using Cellular Automata in Cloud. International Journal of Cloud Applications and Computing, 2015, 5, 1-19. | 2.0 | 6 |

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| 55 | Structural Analysis of Cloud Classifier. International Journal of Cloud Applications and Computing, 2014, 4, 63-75. | 2.0 | 2 |
| 56 | Analysis on Cloud Classification using Accessibility. International Journal of Cloud Applications and Computing, 2014, 4, 44-53. | 2.0 | 1 |
| 57 | Data Specific Ranking in Cloud. International Journal of Cloud Applications and Computing, 2014, 4, 32-41. | 2.0 | 2 |
| 58 | Energy Efficient Task-Pull Scheduling Using Equal Length Cellular Automata in Distributed Computing. , 2014, , . | | 3 |
| 59 | Identification and expression profiling of <i>Vigna mungo</i> microRNAs from leaf small RNA transcriptome by deep sequencing. Journal of Integrative Plant Biology, 2014, 56, 15-23. | 8.5 | 32 |
| 60 | Random number generators: performance comparison of ELCA and MaxCA. CSI Transactions on ICT, 2014, 2, 117-127. | 1.0 | 1 |
| 61 | Cost effective PRNG using ELCA: A BIST application. , 2014, , . | | 3 |
| 62 | An Agent Based Efficient Traffic Framework Using Fuzzy. , 2014, , . | | 10 |
| 63 | Synchronisation of data transfer in cloud. International Journal of Internet Protocol Technology, 2014, 8, 1. | 0.2 | 2 |
| 64 | EFFICIENT BANDWIDTH UTILIZATION FOR DOWNLOADING WEB PAGES. International Journal of Computers and Applications, 2014, 36, . | 1.3 | 0 |
| 65 | Cost Optimized Random Sampling in Cellular Automata for Digital Forensic Investigations. Studies in Computational Intelligence, 2014, , 79-95. | 0.9 | 1 |
| 66 | Software-as-a-Service using Heterogeneous Distributed System for User Specific Applications. International Journal of Cloud Applications and Computing, 2014, 4, 15-32. | 2.0 | 4 |
| 67 | Proteomics approach combined with biochemical attributes to elucidate compatible and incompatible plant-virus interactions between <i>Vigna mungo</i> and Mungbean Yellow Mosaic India Virus. Proteome Science, 2013, 11, 15. | 1.7 | 58 |
| 68 | Defining reference genes for qPCR normalization to study biotic and abiotic stress responses in <i>Vigna mungo</i> . Plant Cell Reports, 2013, 32, 1647-1658. | 5.6 | 73 |
| 69 | SaaS Oriented Generic Cloud Compiler. Procedia Technology, 2013, 10, 253-261. | 1.1 | 3 |
| 70 | Analytical Design of Feature based Ranking. Procedia Technology, 2013, 10, 773-780. | 1.1 | 0 |
| 71 | A service based trust management classifier approach for cloud security. , 2013, , . | | 4 |
| 72 | Cost Optimized Set of Primes Generation with Cellular Automata for Stress Testing in Distributed Computing. Procedia Technology, 2013, 10, 365-372. | 1.1 | 6 |

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| 73 | Service Crawling in Cloud Computing. Communications in Computer and Information Science, 2013, , 358-361. | 0.5 | 0 |
| 74 | Cloud Based Heterogeneous Distributed Framework. Advances in Intelligent Systems and Computing, 2013, , 471-478. | 0.6 | 3 |
| 75 | Hybrid Approach to Word Sense Disambiguation Combining Supervised and Unsupervised Learning. International Journal of Artificial Intelligence & Applications, 2013, 4, 89-101. | 0.5 | 4 |
| 76 | An Approach to Word Sense Disambiguation Combining Modified Lesk and Bag-of-Words. , 2013, , . | | 1 |
| 77 | CA based cost optimized PRNG for Monte-Carlo simulation of distributed computation. , 2012, , . | | 4 |
| 78 | Search engine indexing storage optimisation using Hamming distance. International Journal of Intelligent Information and Database Systems, 2012, 6, 113. | 0.3 | 2 |
| 79 | Customized 3-tier Service Suite Conceptualization in Cloud Computing. Procedia Technology, 2012, 4, 561-565. | 1.1 | 1 |
| 80 | Identification and characterization of elite inbred lines with MYMIV-resistance in Vigna mungo. Field Crops Research, 2012, 135, 116-125. | 5.1 | 16 |
| 81 | Cost Optimized Approach to Random Numbers in Cellular Automata. Advances in Intelligent and Soft Computing, 2012, , 609-618. | 0.2 | 8 |
| 82 | Swarm Intelligence in Cloud Environment. Lecture Notes in Computer Science, 2012, , 37-44. | 1.3 | 6 |
| 83 | Framework on Service based Resource Selection in Cloud Computing. International Journal of Information Processing and Management, 2012, 3, 17-25. | 0.1 | 8 |
| 84 | Introducing Session Relevancy Inspection in Web Page. Advances in Intelligent Systems and Computing, 2012, , 181-192. | 0.6 | 3 |
| 85 | An Adaptive Server Side Software Authentication Framework Based on User's Activity Pattern. , 2011, , . | | 3 |
| 86 | A Novel Approach: Using Bayesian Belief Networks in Product Recommendation. , 2011, , . | | 2 |
| 87 | Identification and validation of conserved microRNAs along with their differential expression in roots of Vigna unguiculata grown under salt stress. Plant Cell, Tissue and Organ Culture, 2011, 105, 233-242. | 2.3 | 75 |
| 88 | Molecular Marker-Assisted Genotyping of Mungbean Yellow Mosaic India Virus Resistant Germplasm of Mungbean and Urdbean. Molecular Biotechnology, 2011, 47, 95-104. | 2.4 | 60 |
| 89 | Web toolkit: an agent based scalable search engine using cellular automata based classification for duly ranked retrieved data. International Journal of Intelligent Information and Database Systems, 2011, 5, 177. | 0.3 | 0 |
| 90 | Clustering-based web page prediction. International Journal of Knowledge and Web Intelligence, 2011, 2, 257. | 0.2 | 10 |

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| 91 | Bayesian Belief Networks “ Based Product Prediction for E-Commerce Recommendation. Communications in Computer and Information Science, 2011, , 311-314. | 0.5 | 3 |
| 92 | An Alternate Idea for Storage Optimization in Search Engine. International Journal of Computer and Communication Technology, 2011, , 293-296. | 0.1 | 1 |
| 93 | A new approach in dynamic prediction for user based web page crawling. , 2010, , . | | 3 |
| 94 | Memory utilization in cloud computing using transparency. , 2010, , . | | 7 |
| 95 | An efficient approach to Web page classification using non-linear cellular automata. , 2010, , . | | 0 |
| 96 | Introducing Dynamic Ranking on Web Pages Based on Multiple Ontology Supported Domains. Lecture Notes in Computer Science, 2010, , 104-109. | 1.3 | 5 |
| 97 | Multi-layered Service Suite Conceptualization in Cloud Computing. Journal of Convergence Information Technology, 2010, 5, 29-38. | 0.1 | 6 |
| 98 | Mining the web with hierarchical crawlers – a resource sharing based crawling approach. International Journal of Intelligent Information and Database Systems, 2009, 3, 90. | 0.3 | 7 |
| 99 | Comparative study on Null Boundary and Periodic Boundary 3-neighborhood Multiple Attractor Cellular Automata for classification. , 2008, , . | | 7 |
| 100 | A Product Recommendation System Using Vector Space Model and Association Rule. , 2008, , . | | 8 |
| 101 | An Alternate Downloading Methodology of Webpages. , 2008, , . | | 1 |
| 102 | Design of SMACA: synthesis and its analysis through rule vector graph for web based application. International Journal of Intelligent Information and Database Systems, 2008, 2, 397. | 0.3 | 5 |
| 103 | Fuzzy Based Multi-Agent System Offering Cost Effective Corporate Environment. Open Automation and Control Systems Journal, 2008, 1, 65-81. | 0.9 | 3 |
| 104 | Generation of SMACA and Its Application in Web Services. Lecture Notes in Computer Science, 2007, , 140-152. | 1.3 | 9 |
| 105 | Instruction Cache Design for Energy-Aware Embedded Processors by Using Backward Branch Information. , 2007, , . | | 3 |
| 106 | Converging Cellular Automata Techniques with Web Search Methods to Offer a New Way to Rank Hyper-linked Web-Pages. , 2007, , . | | 8 |
| 107 | Offering Memory Efficiency Utilizing Cellular Automata for Markov Tree Based Web-Page Prediction Model. , 2007, , . | | 1 |
| 108 | Offering Memory Efficiency Utilizing Cellular Automata for Markov Tree Based Web-Page Prediction Model. , 2007, , . | | 1 |

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| 109 | An Alternate Way to Rank Hyper-linked Web-Pages. , 2006, , . | | 12 |
| 110 | Design of Nonlinear CA Based TPG Without Prohibited Pattern Set In Linear Time. Journal of Electronic Testing: Theory and Applications (JETTA), 2005, 21, 95-107. | 1.2 | 13 |
| 111 | Non-linear cellular automata based PRPG design (without prohibited pattern set) in linear time complexity. , 2003, , . | | 12 |
| 112 | A hybrid optimization for threat detection in personal health crisis management using genetic algorithm. International Journal of Information Technology (Singapore), 0, , . | 2.7 | 0 |