

# Anirban Kundu

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Identification and validation of conserved microRNAs along with their differential expression in roots of <i>Vigna unguiculata</i> grown under salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 105, 233-242.	2.3	75
2	Defining reference genes for qPCR normalization to study biotic and abiotic stress responses in <i>Vigna mungo</i> . <i>Plant Cell Reports</i> , 2013, 32, 1647-1658.	5.6	73
3	Molecular Marker-Assisted Genotyping of Mungbean Yellow Mosaic India Virus Resistant Germplasms of Mungbean and Urdbean. <i>Molecular Biotechnology</i> , 2011, 47, 95-104.	2.4	60
4	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. <i>Proteome Science</i> , 2013, 11, 15.	1.7	58
5	High throughput sequencing reveals modulation of microRNAs in <i>Vigna mungo</i> upon Mungbean Yellow Mosaic India Virus inoculation highlighting stress regulation. <i>Plant Science</i> , 2017, 257, 96-105.	3.6	46
6	Identification and expression profiling of <i>Vigna mungo</i> microRNAs from leaf small RNA transcriptome by deep sequencing. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 15-23.	8.5	32
7	Transcript Dynamics at Early Stages of Molecular Interactions of MYMIV with Resistant and Susceptible Genotypes of the Leguminous Host, <i>Vigna mungo</i> . <i>PLoS ONE</i> , 2015, 10, e0124687.	2.5	32
8	Complex molecular mechanisms underlying MYMIV-resistance in <i>Vigna mungo</i> revealed by comparative transcriptome profiling. <i>Scientific Reports</i> , 2019, 9, 8858.	3.3	25
9	A cost-efficient one time password-based authentication in cloud environment using equal length cellular automata. <i>Journal of Industrial Information Integration</i> , 2017, 5, 17-25.	6.4	24
10	Identification and characterization of elite inbred lines with MYMIV-resistance in <i>Vigna mungo</i> . <i>Field Crops Research</i> , 2012, 135, 116-125.	5.1	16
11	Design of Nonlinear CA Based TPG Without Prohibited Pattern Set In Linear Time. <i>Journal of Electronic Testing: Theory and Applications (JETTA)</i> , 2005, 21, 95-107.	1.2	13
12	Non-linear cellular automata based PRPG design (without prohibited pattern set) in linear time complexity. , 2003, , .		12
13	An Alternate Way to Rank Hyper-linked Web-Pages. , 2006, , .		12
14	Exploring the GRAS gene family in common bean ( <i>Phaseolus vulgaris</i> L.): characterization, evolutionary relationships, and expression analyses in response to abiotic stresses. <i>Planta</i> , 2021, 254, 84.	3.2	12
15	Clustering-based web page prediction. <i>International Journal of Knowledge and Web Intelligence</i> , 2011, 2, 257.	0.2	10
16	An Agent Based Efficient Traffic Framework Using Fuzzy. , 2014, , .		10
17	Analyses of MYMIV-induced transcriptome in <i>Vigna mungo</i> as revealed by next generation sequencing. <i>Genomics Data</i> , 2016, 7, 226-228.	1.3	10
18	Energy Efficient CA based Page Rank Validation Model. <i>International Journal of Green Computing</i> , 2017, 8, 59-76.	0.6	10

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19	Generation of SMACA and Its Application in Web Services. Lecture Notes in Computer Science, 2007, , 140-152.	1.3	9
20	Converging Cellular Automata Techniques with Web Search Methods to Offer a New Way to Rank Hyper-linked Web-Pages. , 2007, , .		8
21	A Product Recommendation System Using Vector Space Model and Association Rule. , 2008, , .		8
22	Cost Optimized Approach to Random Numbers in Cellular Automata. Advances in Intelligent and Soft Computing, 2012, , 609-618.	0.2	8
23	Framework on Service based Resource Selection in Cloud Computing. International Journal of Information Processing and Management, 2012, 3, 17-25.	0.1	8
24	Comparative study on Null Boundary and Periodic Boundary 3-neighborhood Multiple Attractor Cellular Automata for classification. , 2008, , .		7
25	Mining the web with hierarchical crawlers &ndash; a resource sharing based crawling approach. International Journal of Intelligent Information and Database Systems, 2009, 3, 90.	0.3	7
26	Memory utilization in cloud computing using transparency. , 2010, , .		7
27	Cost Optimized Set of Primes Generation with Cellular Automata for Stress Testing in Distributed Computing. Procedia Technology, 2013, 10, 365-372.	1.1	6
28	Energy Stability in Cloud for Web Page Ranking. Advances in Intelligent Systems and Computing, 2016, , 621-630.	0.6	6
29	Experimental Analysis on Big Data in IOT-Based Architecture. Advances in Intelligent Systems and Computing, 2017, , 1-9.	0.6	6
30	Swarm Intelligence in Cloud Environment. Lecture Notes in Computer Science, 2012, , 37-44.	1.3	6
31	Page Ranking Validation using Cellular Automata in Cloud. International Journal of Cloud Applications and Computing, 2015, 5, 1-19.	2.0	6
32	Multi-layered Service Suite Conceptualization in Cloud Computing. Journal of Convergence Information Technology, 2010, 5, 29-38.	0.1	6
33	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
34	Introducing Dynamic Ranking on Web Pages Based on Multiple Ontology Supported Domains. Lecture Notes in Computer Science, 2010, , 104-109.	1.3	5
35	Energy Based Web Page Ranking. International Journal of Artificial Life Research, 2015, 5, 27-40.	0.1	5
36	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

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37	Introducing Eco Friendly Corporate System. International Journal of Green Computing, 2016, 7, 1-24.	0.6	5
38	Analysis on Data Transmission using LIFI. , 2020, , .		5
39	Genomic Designing Towards Biotic Stress Resistance in Mungbean and Urdbean. , 2022, , 381-414.		5
40	CA based cost optimized PRNG for Monte-Carlo simulation of distributed computation. , 2012, , .		4
41	A service based trust management classifier approach for cloud security. , 2013, , .		4
42	Hybrid Approach to Word Sense Disambiguation Combining Supervised and Unsupervised Learning. International Journal of Artificial Intelligence & Applications, 2013, 4, 89-101.	0.5	4
43	Analysis of sequences generated by ELCA-type Cellular Automata targeting noise generation. , 2015, , .		4
44	Performance Enhancement of Cloud Based Storage using Disk Scheduling Technique. International Journal of Cloud Applications and Computing, 2020, 10, 46-63.	2.0	4
45	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
46	Instruction Cache Design for Energy-Aware Embedded Processors by Using Backward Branch Information. , 2007, , .		3
47	A new approach in dynamic prediction for user based web page crawling. , 2010, , .		3
48	An Adaptive Server Side Software Authentication Framework Based on User's Activity Pattern. , 2011, , .		3
49	Bayesian Belief Networks " Based Product Prediction for E-Commerce Recommendation. Communications in Computer and Information Science, 2011, , 311-314.	0.5	3
50	SaaS Oriented Generic Cloud Compiler. Procedia Technology, 2013, 10, 253-261.	1.1	3
51	Cloud Based Heterogeneous Distributed Framework. Advances in Intelligent Systems and Computing, 2013, , 471-478.	0.6	3
52	Energy Efficient Task-Pull Scheduling Using Equal Length Cellular Automata in Distributed Computing. , 2014, , .		3
53	Cost effective PRNG using ELCA: A BIST application. , 2014, , .		3
54	Web page ranking using domain based knowledge. , 2015, , .		3

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55	Design of IOT based Architecture Using Real Time Data. Advances in Intelligent Systems and Computing, 2016, , 641-650.	0.6	3
56	Fuzzy Based Multi-Agent System Offering Cost Effective Corporate Environment. Open Automation and Control Systems Journal, 2008, 1, 65-81.	0.9	3
57	Introducing Session Relevancy Inspection in Web Page. Advances in Intelligent Systems and Computing, 2012, , 181-192.	0.6	3
58	A Novel Approach: Using Bayesian Belief Networks in Product Recommendation. , 2011, , .		2
59	Search engine indexing storage optimisation using Hamming distance. International Journal of Intelligent Information and Database Systems, 2012, 6, 113.	0.3	2
60	Structural Analysis of Cloud Classifier. International Journal of Cloud Applications and Computing, 2014, 4, 63-75.	2.0	2
61	Data Specific Ranking in Cloud. International Journal of Cloud Applications and Computing, 2014, 4, 32-41.	2.0	2
62	Synchronisation of data transfer in cloud. International Journal of Internet Protocol Technology, 2014, 8, 1.	0.2	2
63	Performance Analysis of Multilingual Encryption for Enhancing Data Security using Cellular Automata based State Transition Mapping: A Linear Approach. , 2020, , .		2
64	Domain-Based Dynamic Ranking. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 262-279.	0.5	2
65	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
66	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
67	Introducing Link Based Weightage for Web Page Ranking. International Journal of Artificial Life Research, 2015, 5, 41-55.	0.1	2
68	DeMux Controlled Sensor Based Smart Irrigation System. , 2020, , .		2
69	Offering Memory Efficiency Utilizing Cellular Automata for Markov Tree Based Web-Page Prediction Model. , 2007, , .		1
70	An Alternate Downloading Methodology of Webpages. , 2008, , .		1
71	Customized 3-tier Service Suite Conceptualization in Cloud Computing. Procedia Technology, 2012, 4, 561-565.	1.1	1
72	Analysis on Cloud Classification using Accessibility. International Journal of Cloud Applications and Computing, 2014, 4, 44-53.	2.0	1

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73	Random number generators: performance comparison of ELCA and MaxCA. CSI Transactions on ICT, 2014, 2, 117-127.	1.0	1
74	Design of social network architecture. , 2016, , .		1
75	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
76	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
77	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
78	Cost Optimized Random Sampling in Cellular Automata for Digital Forensic Investigations. Studies in Computational Intelligence, 2014, , 79-95.	0.9	1
79	Cloud Based Thermal Management System Design and Its Analysis. Advances in Intelligent Systems and Computing, 2016, , 519-528.	0.6	1
80	Extraction of Small RNA and qPCR Validation of miRNAs in Vigna mungo. Bio-protocol, 2015, 5, .	0.4	1
81	An Eco-Friendly Efficient Cloud-Searching Technique With Delay. International Journal of Green Computing, 2018, 9, 20-34.	0.6	1
82	An Approach to Word Sense Disambiguation Combining Modified Lesk and Bag-of-Words. , 2013, , .		1
83	An Alternate Idea for Storage Optimization in Search Engine. International Journal of Computer and Communication Technology, 2011, , 293-296.	0.1	1
84	Datacenter Selection in Cloud Framework for Efficient Load Distribution Using a Fuzzy Approach. Lecture Notes in Computer Science, 2020, , 423-436.	1.3	1
85	Advanced Cloud based Task Scheduling Architecture to Optimize Performance in Datacenter. , 2020, , .		1
86	Analysis on Speech Recognition for Automation. , 2020, , .		1
87	Offering Memory Efficiency Utilizing Cellular Automata for Markov Tree Based Web-Page Prediction Model. , 2007, , .		1
88	An efficient approach to Web page classification using non-linear cellular automata. , 2010, , .		0
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	Analytical Design of Feature based Ranking. Procedia Technology, 2013, 10, 773-780.	1.1	0

#	ARTICLE	IF	CITATIONS
91	Service Crawling in Cloud Computing. Communications in Computer and Information Science, 2013, , 358-361.	0.5	0
92	EFFICIENT BANDWIDTH UTILIZATION FOR DOWNLOADING WEB PAGES. International Journal of Computers and Applications, 2014, 36, .	1.3	0
93	A parallel technique for storage defragmentation in cloud. , 2016, , .		0
94	Introducing Eco Friendly Urban Traffic Control Room. International Journal of Green Computing, 2017, 8, 77-97.	0.6	0
95	Preliminaries on Cellular Automata. Cognitive Intelligence and Robotics, 2019, , 29-35.	0.6	0
96	Evaluation of Reliable Data Storage in Cloud Using an Efficient Encryption Technique. , 2021, , 758-772.		0
97	Cloud Based e-Feedback Services Using Performance Analysis: A Linear Approach. Lecture Notes in Computer Science, 2021, , 181-212.	1.3	0
98	Data Analysis in Social Network: A Case Study. Lecture Notes in Computer Science, 2021, , 112-136.	1.3	0
99	Priority-Based Classification: An Automated Traffic Approach. Advances in Intelligent Systems and Computing, 2016, , 35-46.	0.6	0
100	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
101	Web Based System Design Using Session Relevancy. Advances in Intelligent Systems and Computing, 2016, , 631-639.	0.6	0
102	Agent Based Noise Detection Using Real Time Data Analysis Towards Green Environment. International Journal of Green Computing, 2017, 8, 37-58.	0.6	0
103	Design of SMACA. Cognitive Intelligence and Robotics, 2019, , 37-50.	0.6	0
104	Cellular Automata in Web-Page Ranking. Cognitive Intelligence and Robotics, 2019, , 65-74.	0.6	0
105	Introducing Eco Friendly Urban Traffic Control Room. , 2019, , 707-729.		0
106	Zone based Indexing Model for Database Identification in Search Query Processing. , 2020, , .		0
107	Agent Based Noise Detection Using Real Time Data Analysis Towards Green Environment. , 2020, , 539-560.		0
108	Zone Specific Index Based Model for Data Storage Identification in Search Query Processing. Lecture Notes in Computer Science, 2020, , 448-458.	1.3	0

#	ARTICLE	IF	CITATIONS
109	An Automated Reflector Based Traffic Signal System. Advances in Intelligent Systems and Computing, 2021, , 157-167.	0.6	0
110	Optimization of Waiting Time in a Traffic Signal: An Automated Approach. , 2020, , .		0
111	Smart Cart: A Distributed Framework. , 2020, , .		0
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