

Chinmay Chakraborty, Smieeee

List of Publications by Year in descending order

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136
papers

3,168
citations

172457

29
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223800

46
g-index

145
all docs

145
docs citations

145
times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
1	Explainable Machine Learning for Data Extraction Across Computational Social System. IEEE Transactions on Computational Social Systems, 2024, , 1-15.	4.4	21
2	Generative Steganography Based on Long Readable Text Generation. IEEE Transactions on Computational Social Systems, 2024, , 1-11.	4.4	9
3	Enhance data availability and network consistency using artificial neural network for IoT. Multimedia Tools and Applications, 2024, 83, 3111-3131.	3.9	2
4	Feature and Subfeature Selection for Classification Using Correlation Coefficient and Fuzzy Model. IEEE Transactions on Engineering Management, 2023, 70, 1655-1669.	3.5	34
5	Peripheral Blood Smear Analysis Using Automated Computer-Aided Diagnosis System to Identify Acute Myeloid Leukemia. IEEE Transactions on Engineering Management, 2023, 70, 2760-2773.	3.5	18
6	Exploratory data analysis, classification, comparative analysis, case severity detection, and internet of things in COVID-19 telemonitoring for smart hospitals. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 507-534.	2.8	30
7	Edge Computing Driven Low-Light Image Dynamic Enhancement for Object Detection. IEEE Transactions on Network Science and Engineering, 2023, 10, 3086-3098.	6.4	73
8	Automated attention deficit classification system from multimodal physiological signals. Multimedia Tools and Applications, 2023, 82, 4897-4912.	3.9	9
9	A novel sample and feature dependent ensemble approach for Parkinson's disease detection. Neural Computing and Applications, 2023, 35, 15997-16010.	5.6	13
10	Optimized multimedia data through computationally intelligent algorithms. Multimedia Systems, 2023, 29, 2961-2977.	4.7	36
11	A Simple Federated Learning-Based Scheme for Security Enhancement Over Internet of Medical Things. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 652-663.	6.3	7
12	Improved performance on seizure detection in an automated electroencephalogram signal under evolution by extracting entropy feature. Multimedia Tools and Applications, 2022, 81, 13355-13370.	3.9	16
13	Secure Cloud Storage for Medical IoT Data using Adaptive Neuro-Fuzzy Inference System. International Journal of Fuzzy Systems, 2022, 24, 1203-1215.	4.0	53
14	Task Offloading in Fog Computing for Using Smart Ant Colony Optimization. Wireless Personal Communications, 2022, 127, 1683-1704.	2.7	57
15	Deep learning-based meta-classifier approach for COVID-19 classification using CT scan and chest X-ray images. Multimedia Systems, 2022, 28, 1401-1415.	4.7	78
16	Artificial Intelligence and Internet of Things Based Healthcare 4.0 Monitoring System. Wireless Personal Communications, 2022, 127, 1615-1631.	2.7	82
17	<scp>COVID</scp>'s diagnosis system by deep learning approaches. Expert Systems, 2022, 39, e12776.	4.5	37
18	Performance Evaluation of AODV and DSR Routing Protocols for Flying Ad hoc Network Using Highway Mobility Model. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	14

#	ARTICLE	IF	CITATIONS
19	SDNâ€“IoT empowered intelligent framework for industry 4.0 applications during COVID-19 pandemic. Cluster Computing, 2022, 25, 2351-2368.	5.0	60
20	Preserving Health Care Data Security and Privacy Using Carmichael's Theorem-Based Homomorphic Encryption and Modified Enhanced Homomorphic Encryption Schemes in Edge Computing Systems. Big Data, 2022, 10, 1-17.	3.4	18
21	Quantum Machine Learning Architecture for COVID-19 Classification Based on Synthetic Data Generation Using Conditional Adversarial Neural Network. Cognitive Computation, 2022, 14, 1677-1688.	5.2	52
22	Elementary framework for an IoT based diverse ambient air quality monitoring system. Multimedia Tools and Applications, 2022, 81, 36983-37005.	3.9	9
23	Empirical Assessment of Bacillus Calmette-Gu��zin Vaccine to Combat COVID-19. Computers, Materials and Continua, 2022, 70, 213-231.	1.9	0
24	Software Reliability Assessment Using Hybrid Neuro-Fuzzy Model. Computer Systems Science and Engineering, 2022, 41, 891-902.	2.4	8
25	Suspicious transaction detection in banking cyberâ€“physical systems. Computers and Electrical Engineering, 2022, 97, 107596.	4.8	13
26	An Intelligent Trust Cloud Management Method for Secure Clustering in 5G Enabled Internet of Medical Things. IEEE Transactions on Industrial Informatics, 2022, 18, 8864-8875.	11.3	73
27	A modified social spider algorithm for an efficient data dissemination in VANET. Environment, Development and Sustainability, 2022, , 1-44.	5.0	3
28	Multi-objective path planning for lung biopsy surgery. Multimedia Tools and Applications, 2022, 81, 36153-36170.	3.9	6
29	(Retracted) Evaluation of bioinspired algorithms for image optimization. Journal of Electronic Imaging, 2022, 31, .	0.9	18
30	Efficient deep-reinforcement learning aware resource allocation in SDN-enabled fog paradigm. Automated Software Engineering, 2022, 29, 1.	2.9	25
31	A Secured Smart Healthcare Monitoring Systems Using Blockchain Technology. Internet of Things, 2022, , 127-143.	1.7	5
32	Clinical and Laboratory Approach to Diagnose COVID-19 Using Machine Learning. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 452-470.	3.6	27
33	Internet of Medical Things-Based Secure and Energy-Efficient Framework for Health Care. Big Data, 2022, 10, 18-33.	3.4	21
34	<i>Call for Special Issue Papers:</i> Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2022, 10, 81-82.	3.4	0
35	A Hybrid Cloud Enterprise Strategic Management System. International Journal of Cloud Applications and Computing, 2022, 12, 1-18.	2.0	5
36	Identification of intracranial haemorrhage (ICH) using ResNet with data augmentation using CycleGAN and ICH segmentation using SegAN. Multimedia Tools and Applications, 2022, 81, 36257-36273.	3.9	10

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37	Novel Enhanced-Grey Wolf Optimization hybrid machine learning technique for biomedical data computation. Computers and Electrical Engineering, 2022, 99, 107778.	4.8	56
38	Scarcity-aware spam detection technique for big data ecosystem. Pattern Recognition Letters, 2022, 157, 67-75.	4.2	11
39	Improving query expansion using pseudo-relevant web knowledge for information retrieval. Pattern Recognition Letters, 2022, 158, 148-156.	4.2	16
40	Real-Time Cloud-Based Patient-Centric Monitoring Using Computational Health Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 1613-1623.	4.4	49
41	Privacy-preserving aware data aggregation for IoT-based healthcare with green computing technologies. Computers and Electrical Engineering, 2022, 101, 108025.	4.8	36
42	Performance analysis of hybrid coders in multi-constraints pruned environment. Multimedia Tools and Applications, 2022, 81, 23123-23143.	3.9	0
43	Breast Cancer Detection Using Particle Swarm Optimization and Decision Tree Machine Learning Technique. , 2022, , 61-83.		14
44	RNS-Based Adaptive Compression Scheme for the Block Data in the Blockchain for IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 9239-9249.	11.3	16
45	Augmented Reality and Virtual Reality Transforming Spinal Imaging Landscape: A Feasibility Study. IEEE Computer Graphics and Applications, 2021, 41, 124-138.	1.2	19
46	Supervised Machine Learning Models for Prediction of COVID-19 Infection using Epidemiology Dataset. SN Computer Science, 2021, 2, 11.	3.6	179
47	Deep Learning and Internet of Things Based Lung Ailment Recognition Through Coughing Spectrograms. IEEE Access, 2021, 9, 95938-95948.	4.2	25
48	Scenario-Based Investigation on the Effect of Partial Shading Condition Patterns for Different Static Solar Photovoltaic Array Configurations. IEEE Access, 2021, 9, 116050-116072.	4.2	11
49	ElStream: An Ensemble Learning Approach for Concept Drift Detection in Dynamic Social Big Data Stream Learning. IEEE Access, 2021, 9, 66408-66419.	4.2	67
50	BIFM: Big-Data Driven Intelligent Forecasting Model for COVID-19. IEEE Access, 2021, 9, 97505-97517.	4.2	40
51	Cogent and Energy Efficient Authentication Protocol for WSN in IoT. Computers, Materials and Continua, 2021, 68, 1877-1898.	1.9	3
52	Smart Health Care for Societies: An Insight into the Implantable and Wearable Devices for Remote Health Monitoring. , 2021, , 89-113.		3
53	SSII: Secured and High-Quality Steganography Using Intelligent Hybrid Optimization Algorithms for IoT. IEEE Access, 2021, 9, 87563-87578.	4.2	51
54	Smart City Technologies for Next Generation Healthcare. Advanced Sciences and Technologies for Security Applications, 2021, , 253-274.	0.5	7

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55	Applications of Machine Learning and Internet of Things in Agriculture. , 2021, , 257-279.		2
56	Artificial Neural Synchronization Using Nature Inspired Whale Optimization. IEEE Access, 2021, 9, 16435-16447.	4.2	39
57	Reinforcement learning for medical information processing over heterogeneous networks. Multimedia Tools and Applications, 2021, 80, 23983.	3.9	53
58	Path loss modelling at 60 GHz mmWave based on cognitive 3D ray tracing algorithm in 5G. Peer-to-Peer Networking and Applications, 2021, 14, 3181-3197.	3.9	13
59	Secure Transmission of EEG Data Using Watermarking Algorithm for the Detection of Epileptical Seizures. Traitement Du Signal, 2021, 38, 473-479.	1.3	16
60	Improvement of system performance in an IT production support environment. International Journal of Systems Assurance Engineering and Management, 2021, 12, 461-479.	2.4	10
61	Distributed ledger technology based robust access control and real-time synchronization for consumer electronics. PeerJ Computer Science, 2021, 7, e566.	4.5	9
62	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 151-152.	3.4	2
63	Generative Design Methodology for Internet of Medical Things (IoMT)-based Wearable Biomedical Devices. , 2021, , .		7
64	Deterministic cooperative hybrid ring-mesh network coding for big data transmission over lossy channels in 5G networks. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	11
65	A self-congruence and impulse buying effect on userâ€™s shopping behaviour over social networking sites: an empirical study. International Journal of Pervasive Computing and Communications, 2021, 17, 404-425.	1.3	16
66	Notice of Violation of IEEE Publication Principles: Grape Disease Detection Network Based on Multi-Task Learning and Attention Features. IEEE Sensors Journal, 2021, 21, 17573-17580.	4.7	76
67	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 324-325.	3.4	2
68	Intrusion Detection in Industrial Internet of Things Network-Based on Deep Learning Model with Rule-Based Feature Selection. Wireless Communications and Mobile Computing, 2021, 2021, 1-17.	1.2	77
69	Modified minkowski fractal multiband antenna with circular-shaped split-ring resonator for wireless applications. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109766.	5.0	20
70	Intelligent computing on time-series data analysis and prediction of COVID-19 pandemics. Pattern Recognition Letters, 2021, 151, 69-75.	4.2	47
71	MBCP: Performance Analysis of Large Scale Mainstream Blockchain Consensus Protocols. IEEE Access, 2021, 9, 80931-80944.	4.2	48
72	Patientsâ€™ Health Surveillance Model Using IoT and 6G Technology. , 2021, , 191-209.		2

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73	A Novel Fog Computing Approach for Minimization of Latency in Healthcare using Machine Learning. International Journal of Interactive Multimedia and Artificial Intelligence, 2021, 6, 7.	1.3	33
74	Performance Analysis of Compression Techniques for Chronic Wound Image Transmission Under Smartphone-Enabled Tele-Wound Network. , 2021, , 345-364.		4
75	Artificial Intelligence and Machine Learning for Ensuring Security in Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 23-47.	0.5	29
76	ANN Based Novel Approach to Detect Node Failure in Wireless Sensor Network. Computers, Materials and Continua, 2021, 69, 1447-1462.	1.9	13
77	Mobile Health (M-Health) for Tele-Wound Monitoring. , 2021, , 494-512.		1
78	A Novel Green IoT-Based Pay-As-You-Go Smart Parking System. Computers, Materials and Continua, 2021, 67, 3523-3544.	1.9	13
79	Smart healthcare systems using big data. , 2021, , 17-32.		3
80	Early Detection of Dementia Disease Using Data Mining Techniques. Studies in Big Data, 2021, , 177-194.	1.1	2
81	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 402-403.	3.4	1
82	Mobile Edge Computing Enabled Efficient Communication Based on Federated Learning in Internet of Medical Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	1.2	5
83	Integration of ARAS and MOORA MCDM Techniques for Measuring the Performance of Private Sector Banks in India. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, 279-295.	1.9	6
84	A Framework Development on Big Data Analytics for Terahertz Healthcare. , 2020, , 127-143.		3
85	Medical Imaging, Artificial Intelligence, Internet of Things, Wearable Devices in Terahertz Healthcare Technologies. , 2020, , 145-165.		24
86	Anonymity Preserving IoT-Based COVID-19 and Other Infectious Disease Contact Tracing Model. IEEE Access, 2020, 8, 159402-159414.	4.2	167
87	Emerging trends in IoT and big data analytics for biomedical and health care technologies. , 2020, , 121-152.		55
88	ROC Analysis for detection of Epileptical Seizures using Haralick features of Gamma band. , 2020, , .		23
89	A Comprehensive Review on Device-to-Device Communication Paradigm: Trends, Challenges and Applications. Wireless Personal Communications, 2020, 114, 185-207.	2.7	47
90	A Novel Approach Toward Enhancing the Quality of Life in Smart Cities Using Clouds and IoT-Based Technologies. Internet of Things, 2020, , 19-35.	1.7	29

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91	A Novel Approach Towards Using Big Data and IoT for Improving the Efficiency of m-Health Systems. Studies in Computational Intelligence, 2020, , 123-139.	0.9	15
92	An Approach towards GIS Application in Smart City Urban Planning. , 2020, , 71-110.		5
93	Computer Vision for Brain Tissue Segmentation. , 2020, , 81-94.		2
94	Sensing and Monitoring of Epileptical Seizure Under IoT Platform. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 201-223.	0.2	10
95	Healthcare Data Monitoring under Internet of Things. , 2020, , 1-18.		0
96	Study on Edge Computing Using Machine Learning Approaches in IoT Framework. , 2020, , 159-182.		1
97	Mobile Telemedicine Systems for Remote Patient's Chronic Wound Monitoring. , 2020, , 977-1003.		4
98	Machine Learning for Biomedical and Health Informatics. , 2020, , 79-112.		1
99	Medical Information Processing Using Smartphone Under IoT Framework. Studies in Systems, Decision and Control, 2019, , 283-308.	1.0	17
100	Performance Analysis of Compression Techniques for Chronic Wound Image Transmission Under Smartphone-Enabled Tele-Wound Network. International Journal of E-Health and Medical Communications, 2019, 10, 1-20.	1.6	11
101	Computational approach for chronic wound tissue characterization. Informatics in Medicine Unlocked, 2019, 17, 100162.	3.4	32
102	A Survey on IoT Based Traffic Control and Prediction Mechanism. Intelligent Systems Reference Library, 2019, , 53-75.	1.2	16
103	IoT-based smart transportation system under real-time environment. , 2019, , 353-372.		11
104	Epileptical Seizure Detection: Performance analysis of gamma band in EEG signal Using Short-Time Fourier Transform. , 2019, , .		29
105	Monitoring of Epileptical Patients Using Cloud-Enabled Health-IoT System. Traitement Du Signal, 2019, 36, 425-431.	1.3	24
106	Mobile Health (M-Health) for Tele-Wound Monitoring. Advances in Healthcare Information Systems and Administration Book Series, 2019, , 98-116.	0.2	10
107	Classification Algorithms for EEG-Based Brain-Computer Interface. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 52-73.	0.3	0
108	Comparison of Attention and Meditation Based Mobile Applications by Using EEG Signals. , 2018, , .		8

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109	MRF-ANN: a machine learning approach for automated ER scoring of breast cancer immunohistochemical images. Journal of Microscopy, 2017, 267, 117-129.	1.8	25
110	Chronic Wound Image Analysis by Particle Swarm Optimization Technique for Tele-Wound Network. Wireless Personal Communications, 2017, 96, 3655-3671.	2.7	27
111	Imprint cytology-based breast malignancy screening: an efficient nuclei segmentation technique. Journal of Microscopy, 2017, 268, 155-171.	1.8	7
112	Performance analysis of eye-state characterization through single electrode EEG device for medical application. , 2017, , .		4
113	Efficient routing algorithm for disaster recovery over wireless mesh networks based communication system. , 2017, , .		3
114	Chronic Wound Characterization Using Bayesian Classifier under Telemedicine Framework. , 2017, , 741-760.		3
115	Adaptive Filtering Technique for Chronic Wound Analysis under Tele-Wound Network. Journal of Communication Navigation Sensing and Services (CONASENSE), 2016, 2016, 57-76.	0.2	3
116	Tele-wound technology network for assessment of chronic wounds. International Journal of Telemedicine and Clinical Practices, 2016, 1, 345.	0.4	4
117	Telemedicine Supported Chronic Wound Tissue Prediction Using Classification Approaches. Journal of Medical Systems, 2016, 40, 68.	3.6	34
118	Mobile Telemedicine Systems for Remote Patient's Chronic Wound Monitoring. Advances in Healthcare Information Systems and Administration Book Series, 2016, , 213-239.	0.2	8
119	Chronic Wound Characterization using Bayesian Classifier under Telemedicine Framework. International Journal of E-Health and Medical Communications, 2016, 7, 76-93.	1.6	6
120	Identification of Chronic Wound Status under Tele-Wound Network through Smartphone. , 2016, , 735-750.		0
121	Chronic wound tissue characterization under telemedicine framework. , 2015, , .		2
122	Identification of Chronic Wound Status under Tele-Wound Network through Smartphone. International Journal of Rough Sets and Data Analysis, 2015, 2, 58-77.	1.0	19
123	A novel segmentation approach for noisy medical images using Intuitionistic fuzzy divergence with neighbourhood-based membership function. Journal of Microscopy, 2015, 257, 187-200.	1.8	9
124	Tele-wound monitoring through smartphone. , 2014, , .		3
125	Mobile metadata assisted community database of chronic wound images. Wound Medicine, 2014, 6, 34-42.	2.7	42
126	A Review on Telemedicine-Based WBAN Framework for Patient Monitoring. Telemedicine Journal and E-Health, 2013, 19, 619-626.	2.8	107

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127	Statistical analysis of mammographic features and its classification using support vector machine. Expert Systems With Applications, 2010, 37, 470-478.	7.6	56
128	An O(n) Telephony Gateway Selection Methodology for IP-PSTN Packet Routing. , 2009, , .		1
129	INTERNETWORKING INTERFACE FUNCTION FOR CHARGING AND BILLING IN IP TELEPHONY SERVICES. , 2009, , .		1
130	Early and accurate prediction of diabetics based on FCBF feature selection and SMOTE. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	25
131	Artificial intelligence-based Kubernetes container for scheduling nodes of energy composition. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	15
132	Application of Artificial Intelligence on Post Pandemic Situation and Lesson Learn for Future Prospects. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-18.	2.8	8
133	Intelligent Internet of Things and Advanced Machine Learning Techniques for COVID-19. EAI Endorsed Transactions on Pervasive Health and Technology, 0, , 168505.	0.9	17
134	COVID-19 health analysis and prediction using machine learning algorithms for Mexico and Brazil patients. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-21.	2.8	25
135	Implementation of K-multi constraint shortest paths (K-MCSP) for video compression. Multimedia Tools and Applications, 0, , 1.	3.9	1
136	Real geo-time based secured access computation model for e-Health systems. Computational Intelligence, 0, , .	3.2	0