

Chinmay Chakraborty, Smieeee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4495098/publications.pdf>

Version: 2024-02-01

136
papers

3,168
citations

172457

29
h-index

223800

46
g-index

145
all docs

145
docs citations

145
times ranked

1572
citing authors

#	ARTICLE	IF	CITATIONS
1	Supervised Machine Learning Models for Prediction of COVID-19 Infection using Epidemiology Dataset. SN Computer Science, 2021, 2, 11.	3.6	179
2	Anonymity Preserving IoT-Based COVID-19 and Other Infectious Disease Contact Tracing Model. IEEE Access, 2020, 8, 159402-159414.	4.2	167
3	A Review on Telemedicine-Based WBAN Framework for Patient Monitoring. Telemedicine Journal and E-Health, 2013, 19, 619-626.	2.8	107
4	Artificial Intelligence and Internet of Things Based Healthcare 4.0 Monitoring System. Wireless Personal Communications, 2022, 127, 1615-1631.	2.7	82
5	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
6	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
7	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
8	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
9	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
10	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
11	SDNâ€“IoT empowered intelligent framework for industry 4.0 applications during COVID-19 pandemic. Cluster Computing, 2022, 25, 2351-2368.	5.0	60
12	Task Offloading in Fog Computing for Using Smart Ant Colony Optimization. Wireless Personal Communications, 2022, 127, 1683-1704.	2.7	57
13	Statistical analysis of mammographic features and its classification using support vector machine. Expert Systems With Applications, 2010, 37, 470-478.	7.6	56
14	Novel Enhanced-Grey Wolf Optimization hybrid machine learning technique for biomedical data computation. Computers and Electrical Engineering, 2022, 99, 107778.	4.8	56
15	Emerging trends in IoT and big data analytics for biomedical and health care technologies. , 2020, , 121-152.		55
16	Reinforcement learning for medical information processing over heterogeneous networks. Multimedia Tools and Applications, 2021, 80, 23983.	3.9	53
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	SSII: Secured and High-Quality Steganography Using Intelligent Hybrid Optimization Algorithms for IoT. IEEE Access, 2021, 9, 87563-87578.	4.2	51
20	Real-Time Cloud-Based Patient-Centric Monitoring Using Computational Health Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 1613-1623.	4.4	49
21	MBCP: Performance Analysis of Large Scale Mainstream Blockchain Consensus Protocols. IEEE Access, 2021, 9, 80931-80944.	4.2	48
22	A Comprehensive Review on Device-to-Device Communication Paradigm: Trends, Challenges and Applications. Wireless Personal Communications, 2020, 114, 185-207.	2.7	47
23	Intelligent computing on time-series data analysis and prediction of COVID-19 pandemics. Pattern Recognition Letters, 2021, 151, 69-75.	4.2	47
24	Mobile metadata assisted community database of chronic wound images. Wound Medicine, 2014, 6, 34-42.	2.7	42
25	BIFM: Big-Data Driven Intelligent Forecasting Model for COVID-19. IEEE Access, 2021, 9, 97505-97517.	4.2	40
26	Artificial Neural Synchronization Using Nature Inspired Whale Optimization. IEEE Access, 2021, 9, 16435-16447.	4.2	39
27	<scp>COVID</scp>â€19 diagnosis system by deep learning approaches. Expert Systems, 2022, 39, e12776.	4.5	37
28	Optimized multimedia data through computationally intelligent algorithms. Multimedia Systems, 2023, 29, 2961-2977.	4.7	36
29	Privacy-preserving aware data aggregation for IoT-based healthcare with green computing technologies. Computers and Electrical Engineering, 2022, 101, 108025.	4.8	36
30	Telemedicine Supported Chronic Wound Tissue Prediction Using Classification Approaches. Journal of Medical Systems, 2016, 40, 68.	3.6	34
31	Feature and Subfeature Selection for Classification Using Correlation Coefficient and Fuzzy Model. IEEE Transactions on Engineering Management, 2023, 70, 1655-1669.	3.5	34
32	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
33	Computational approach for chronic wound tissue characterization. Informatics in Medicine Unlocked, 2019, 17, 100162.	3.4	32
34	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
35	Artificial Intelligence and Machine Learning for Ensuring Security in Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 23-47.	0.5	29
36	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

#	ARTICLE	IF	CITATIONS
37	Epileptical Seizure Detection: Performance analysis of gamma band in EEG signal Using Short-Time Fourier Transform. , 2019, , .		29
38	Chronic Wound Image Analysis by Particle Swarm Optimization Technique for Tele-Wound Network. Wireless Personal Communications, 2017, 96, 3655-3671.	2.7	27
39	Clinical and Laboratory Approach to Diagnose COVID-19 Using Machine Learning. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 452-470.	3.6	27
40	MRFa€ANN: a machine learning approach for automated ER scoring of breast cancer immunohistochemical images. Journal of Microscopy, 2017, 267, 117-129.	1.8	25
41	Deep Learning and Internet of Things Based Lung Ailment Recognition Through Coughing Spectrograms. IEEE Access, 2021, 9, 95938-95948.	4.2	25
42	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
43	Efficient deep-reinforcement learning aware resource allocation in SDN-enabled fog paradigm. Automated Software Engineering, 2022, 29, 1.	2.9	25
44	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
45	Medical Imaging, Artificial Intelligence, Internet of Things, Wearable Devices in Terahertz Healthcare Technologies. , 2020, , 145-165.		24
46	Monitoring of Epileptical Patients Using Cloud-Enabled Health-IoT System. Traitement Du Signal, 2019, 36, 425-431.	1.3	24
47	ROC Analysis for detection of Epileptical Seizures using Haralick features of Gamma band. , 2020, , .		23
48	Internet of Medical Things-Based Secure and Energy-Efficient Framework for Health Care. Big Data, 2022, 10, 18-33.	3.4	21
49	Explainable Machine Learning for Data Extraction Across Computational Social System. IEEE Transactions on Computational Social Systems, 2024, , 1-15.	4.4	21
50	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
51	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
52	Augmented Reality and Virtual Reality Transforming Spinal Imaging Landscape: A Feasibility Study. IEEE Computer Graphics and Applications, 2021, 41, 124-138.	1.2	19
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	(Retracted) Evaluation of bioinspired algorithms for image optimization. Journal of Electronic Imaging, 2022, 31, .	0.9	18
56	Medical Information Processing Using Smartphone Under IoT Framework. Studies in Systems, Decision and Control, 2019, , 283-308.	1.0	17
57	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
58	A Survey on IoT Based Traffic Control and Prediction Mechanism. Intelligent Systems Reference Library, 2019, , 53-75.	1.2	16
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	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
61	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
62	Improving query expansion using pseudo-relevant web knowledge for information retrieval. Pattern Recognition Letters, 2022, 158, 148-156.	4.2	16
63	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
64	Artificial intelligence-based Kubernetes container for scheduling nodes of energy composition. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	15
65	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
66	Performance Evaluation of AODV and DSR Routing Protocols for Flying <i>Ad hoc</i> Network Using Highway Mobility Model. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	14
67	Breast Cancer Detection Using Particle Swarm Optimization and Decision Tree Machine Learning Technique. , 2022, , 61-83.		14
68	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
69	ANN Based Novel Approach to Detect Node Failure in Wireless Sensor Network. Computers, Materials and Continua, 2021, 69, 1447-1462.	1.9	13
70	A Novel Green IoT-Based Pay-As-You-Go Smart Parking System. Computers, Materials and Continua, 2021, 67, 3523-3544.	1.9	13
71	Suspicious transaction detection in banking cyberâ€™physical systems. Computers and Electrical Engineering, 2022, 97, 107596.	4.8	13
72	A novel sample and feature dependent ensemble approach for Parkinsonâ€™s disease detection. Neural Computing and Applications, 2023, 35, 15997-16010.	5.6	13

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	IoT-based smart transportation system under real-time environment. , 2019, , 353-372.		11
77	Scarcity-aware spam detection technique for big data ecosystem. Pattern Recognition Letters, 2022, 157, 67-75.	4.2	11
78	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
79	Mobile Health (M-Health) for Tele-Wound Monitoring. Advances in Healthcare Information Systems and Administration Book Series, 2019, , 98-116.	0.2	10
80	Sensing and Monitoring of Epileptical Seizure Under IoT Platform. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 201-223.	0.2	10
81	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
82	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
83	Distributed ledger technology based robust access control and real-time synchronization for consumer electronics. PeerJ Computer Science, 2021, 7, e566.	4.5	9
84	Elementary framework for an IoT based diverse ambient air quality monitoring system. Multimedia Tools and Applications, 2022, 81, 36983-37005.	3.9	9
85	Automated attention deficit classification system from multimodal physiological signals. Multimedia Tools and Applications, 2023, 82, 4897-4912.	3.9	9
86	Generative Steganography Based on Long Readable Text Generation. IEEE Transactions on Computational Social Systems, 2024, , 1-11.	4.4	9
87	Comparison of Attention and Meditation Based Mobile Applications by Using EEG Signals. , 2018, , .		8
88	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
89	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
90	Software Reliability Assessment Using Hybrid Neuro-Fuzzy Model. Computer Systems Science and Engineering, 2022, 41, 891-902.	2.4	8

#	ARTICLE	IF	CITATIONS
91	Imprint cytology-based breast malignancy screening: an efficient nuclei segmentation technique. Journal of Microscopy, 2017, 268, 155-171.	1.8	7
92	Smart City Technologies for Next Generation Healthcare. Advanced Sciences and Technologies for Security Applications, 2021, , 253-274.	0.5	7
93	Generative Design Methodology for Internet of Medical Things (IoMT)-based Wearable Biomedical Devices. , 2021, , .		7
94	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
95	Chronic Wound Characterization using Bayesian Classifier under Telemedicine Framework. International Journal of E-Health and Medical Communications, 2016, 7, 76-93.	1.6	6
96	Multi-objective path planning for lung biopsy surgery. Multimedia Tools and Applications, 2022, 81, 36153-36170.	3.9	6
97	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
98	An Approach towards GIS Application in Smart City Urban Planning. , 2020, , 71-110.		5
99	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
100	A Secured Smart Healthcare Monitoring Systems Using Blockchain Technology. Internet of Things, 2022, , 127-143.	1.7	5
101	A Hybrid Cloud Enterprise Strategic Management System. International Journal of Cloud Applications and Computing, 2022, 12, 1-18.	2.0	5
102	Tele-wound technology network for assessment of chronic wounds. International Journal of Telemedicine and Clinical Practices, 2016, 1, 345.	0.4	4
103	Performance analysis of eye-state charecterization through single electrode EEG device for medical application. , 2017, , .		4
104	Performance Analysis of Compression Techniques for Chronic Wound Image Transmission Under Smartphone-Enabled Tele-Wound Network. , 2021, , 345-364.		4
105	Mobile Telemedicine Systems for Remote Patient's Chronic Wound Monitoring. , 2020, , 977-1003.		4
106	Tele-wound monitoring through smartphone. , 2014, , .		3
107	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
108	Efficient routing algorithm for disaster recovery over wireless mesh networks based communication system. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
109	A Framework Development on Big Data Analytics for Terahertz Healthcare. , 2020, , 127-143.		3
110	Cogent and Energy Efficient Authentication Protocol for WSN in IoT. Computers, Materials and Continua, 2021, 68, 1877-1898.	1.9	3
111	Smart Health Care for Societies: An Insight into the Implantable and Wearable Devices for Remote Health Monitoring. , 2021, , 89-113.		3
112	Smart healthcare systems using big data. , 2021, , 17-32.		3
113	Chronic Wound Characterization Using Bayesian Classifier under Telemedicine Framework. , 2017, , 741-760.		3
114	A modified social spider algorithm for an efficient data dissemination in VANET. Environment, Development and Sustainability, 2022, , 1-44.	5.0	3
115	Chronic wound tissue characterization under telemedicine framework. , 2015, , .		2
116	Applications of Machine Learning and Internet of Things in Agriculture. , 2021, , 257-279.		2
117	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 151-152.	3.4	2
118	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 324-325.	3.4	2
119	Patientsâ€™ Health Surveillance Model Using IoT and 6G Technology. , 2021, , 191-209.		2
120	Early Detection of Dementia Disease Using Data Mining Techniques. Studies in Big Data, 2021, , 177-194.	1.1	2
121	Computer Vision for Brain Tissue Segmentation. , 2020, , 81-94.		2
122	Enhance data availability and network consistency using artificial neural network for IoT. Multimedia Tools and Applications, 2024, 83, 3111-3131.	3.9	2
123	An O(n) Telephony Gateway Selection Methodology for IP-PSTN Packet Routing. , 2009, , .		1
124	Mobile Health (M-Health) for Tele-Wound Monitoring. , 2021, , 494-512.		1
125	Call for Special Issue Papers: Big Data-Driven Futuristic Fabric System in Societal Digital Transformation. Big Data, 2021, 9, 402-403.	3.4	1
126	INTERNETWORKING INTERFACE FUNCTION FOR CHARGING AND BILLING IN IP TELEPHONY SERVICES. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
127	Study on Edge Computing Using Machine Learning Approaches in IoT Framework. , 2020, , 159-182.		1
128	Machine Learning for Biomedical and Health Informatics. , 2020, , 79-112.		1
129	Implementation of K-multi constraint shortest paths (K-MCSP) for video compression. Multimedia Tools and Applications, 0, , 1.	3.9	1
130	Empirical Assessment of Bacillus Calmette-Guérin Vaccine to Combat COVID-19. Computers, Materials and Continua, 2022, 70, 213-231.	1.9	0
131	Identification of Chronic Wound Status under Tele-Wound Network through Smartphone. , 2016, , 735-750.		0
132	Classification Algorithms for EEG-Based Brain-Computer Interface. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 52-73.	0.3	0
133	Healthcare Data Monitoring under Internet of Things. , 2020, , 1-18.		0
134	<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
135	Real time-based secured access computation model for eHealth systems. Computational Intelligence, 0, , .	3.2	0
136	Performance analysis of hybrid coders in multi-constraints pruned environment. Multimedia Tools and Applications, 2022, 81, 23123-23143.	3.9	0