Amit Kumar Tyagi

List of Publications by Year
in descending order

88	1,220	687363	677142
papers	citations	13	22
		h-index	g-index

99	99	99	197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Explainable Artificial Intelligence (XAI): Connecting Artificial Decision-Making and Human Trust in Autonomous Vehicles. Lecture Notes in Networks and Systems, 2023, , 123-136.	0.7	10
2	Internet of Things-Based e-Health Care: Key Challenges and Recommended Solutions for Future. Lecture Notes in Networks and Systems, 2023, , 461-474.	0.7	19
3	The World with Future Technologies (Post-COVID-19): Open Issues, Challenges, and the Road Ahead. , 2022, , 411-452.		42
4	Industry 4.0 Challenges in e-Healthcare Applications and Emerging Technologies. , 2022, , 265-290.		6
5	Blockchain Technology for Securing Cyber-Infrastructure and Internet of Things Networks. , 2022, , 337-350.		11
6	Security, Privacy and Trust Issues in Internet of Things and Machine Learning Based e-Healthcare. , 2022, , 291-317.		12
7	Architecture, Generative Model, and Deep Reinforcement Learning for IoT Applications: Deep Learning Perspective. Internet of Things, 2022, , 243-265.	1.7	3
8	The Role of Machine Learning Techniques in Internet of Things-Based Cloud Applications. Internet of Things, 2022, , 105-135.	1.7	75
9	Selection of Optimal Thresholds in Multi-Level Thresholding Using Multi-Objective Emperor Penguin Optimization for Precise Segmentation of Mammogram Images. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	4
10	Maintaining Scalability in Blockchain. Lecture Notes in Networks and Systems, 2022, , 34-45.	0.7	10
11	Mobile Cloud Computing: Issues, Applications and Scope in COVID-19. Lecture Notes in Networks and Systems, 2022, , 587-600.	0.7	9
12	Blockchain Enabled Cyber Security: A Comprehensive Survey. , 2022, , .		20
13	SecVT: Securing the Vehicles of Tomorrow using Blockchain Technology. , 2022, , .		11
14	Blockchain Integrated Machine Learning for Training Autonomous Cars. Lecture Notes in Networks and Systems, 2022, , 27-37.	0.7	6
15	Internet of Things Based Smart Environment: Threat Analysis, Open Issues, and a Way Forward to Future. , 2022, , .		12
16	Traffic Prediction Using Machine Learning. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 969-983.	0.7	8
17	Reliable Edge Computing Architectures for Crowdsensing Applications. , 2022, , .		5
18	Blockchain Network based Decentralized Applications for Healthcare Sector. , 2022, , .		0

#	Article	IF	Citations
19	Blockchain Technology for Securing Internet of Vehicle: Issues and Challenges. , 2022, , .		8
20	Ethical Hacking: Importance, Controversies and Scope in the Future. , 2022, , .		5
21	Security Optimization of Resource-Constrained Internet of Healthcare Things (IoHT) Devices Using Asymmetric Cryptography for Blockchain Network. Lecture Notes in Networks and Systems, 2022, , 225-236.	0.7	8
22	Preserving Privacy Using Blockchain Technology in Autonomous Vehicles. Lecture Notes in Networks and Systems, 2022, , 237-248.	0.7	12
23	Deep Learning, Blockchain based Multi-layered Authentication and Security Architectures. , 2022, , .		16
24	Study of Data Behaviour and Methods for Data Prediction and Analysis. , 2022, , .		0
25	Blockchain Technology:â€" A New Technology for Creating Distributed and Trusted Computing Environment. , 2022, , .		21
26	Internet-Based Healthcare Things Driven Deep Learning Algorithm for Detection and Classification of Cervical Cells. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 263-278.	0.7	2
27	Artificial Intelligence and Machine Learning Algorithms. , 2022, , 421-446.		7
28	Role of Artificial Intelligence in Cyber Security. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 92-104.	0.5	0
29	Security Optimization of Resource-Constrained Internet of Healthcare Things (IoHT) Devices Using Lightweight Cryptography. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 179-209.	0.5	4
30	Performance Analysis of Undersampling Approaches for Solving Customer Churn Prediction. Lecture Notes in Networks and Systems, 2021, , 341-347.	0.7	5
31	The Future with Advanced Analytics: A Sequential Analysis of the Disruptive Technologyâ€™s Scope. Advances in Intelligent Systems and Computing, 2021, , 565-579.	0.6	18
32	The Future with Industry 4.0 at the Core of Society 5.0: Open Issues, Future Opportunities and Challenges. , 2021, , .		90
33	Analysis of Text Mining Tools in Disease Prediction. Advances in Intelligent Systems and Computing, 2021, , 546-564.	0.6	8
34	Internet of Things, Cyber Physical System, and Data Analytics: Open Questions, Future Perspectives, and Research Areas. Lecture Notes in Networks and Systems, 2021, , 325-339.	0.7	7
35	Intelligent Automation Systems at the Core of Industry 4.0. Advances in Intelligent Systems and Computing, 2021, , 1-18.	0.6	42
36	Issues and Challenges (Privacy, Security, and Trust) in Blockchain-Based Applications. Advances in Data Mining and Database Management Book Series, 2021, , 196-209.	0.5	8

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37	Prediction of Pesticides and Fertilizers using Machine Learning and Internet of Things. , 2021, , .		19
38	Deep learning based Blockchain solution for preserving privacy in future vehicles. International Journal of Hybrid Intelligent Systems, 2021, 16, 223-236.	1.2	8
39	Autonomous Intelligent Vehicles (AIV): Research statements, open issues, challenges and road for future. International Journal of Intelligent Networks, 2021, 2, 83-102.	7.8	39
40	Genetic Data Analysis. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 358-372.	0.1	1
41	Class Imbalanced Data: Open Issues and Future Research Directions. , 2021, , .		2
42	Deep Learning for Medical Image Recognition: Open Issues and a Way to Forward. Lecture Notes in Networks and Systems, 2021, , 349-365.	0.7	10
43	Prediction Models. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 50-69.	0.1	2
44	Blockchain in Clinical Trials. Advances in Data Mining and Database Management Book Series, 2021, , 278-292.	0.5	1
45	AARIN: Affordable, accurate, reliable and innovative mechanism to protect a medical cyber-physical system using blockchain technology. International Journal of Intelligent Networks, 2021, 2, 175-183.	7.8	18
46	Healthcare Solutions for the Next Generation: A Useful Explanation from the User's Perspective. , 2021, , 175-217.		12
47	Analysis of Security and Privacy Aspects of Blockchain Technologies from Smart Era' Perspective: The Challenges and a Way Forward to Future. , 2021, , 141-157.		8
48	Beyond Things: A Systematic Study of Internet of Everything. Advances in Intelligent Systems and Computing, 2021, , 226-242.	0.6	5
49	Cyber Physical Systems: Analyses, challenges and possible solutions. Internet of Things and Cyber-physical Systems, 2021, 1, 22-33.	8.7	42
50	Human Activity Recognition Using Cell Phone-Based Accelerometer and Convolutional Neural Network. Applied Sciences (Switzerland), 2021, 11, 12099.	2.5	14
51	Precision Crop Protection Using Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2020, , 280-290.	0.6	2
52	A Survey of Privacy Leakage and Security Vulnerabilities in the Internet of Things. , 2020, , .		7
53	An Earth mover's distance-based undersampling approach for handling class-imbalanced data. International Journal of Intelligent Information and Database Systems, 2020, 13, 376.	0.3	3
54	Critical Instances Removal based Under-Sampling (CIRUS): A solution for class imbalance problem1. International Journal of Hybrid Intelligent Systems, 2020, 16, 55-66.	1.2	2

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55	Intrusion Detection in Intelligent Transportation System and its Applications using Blockchain Technology. , 2020, , .		31
56	Distance-based Bootstrap Sampling in Bagging for Imbalanced Data-Set. , 2020, , .		4
57	Beyond the Hype: Internet of Things Concepts, Security and Privacy Concerns. Learning and Analytics in Intelligent Systems, 2020, , 393-407.	0.6	17
58	Integration of Fog Computing and Internet of Things: An Useful Overview. Lecture Notes in Electrical Engineering, 2020, , 91-102.	0.4	11
59	A Review on Security and Privacy Issues in Internet of Things. Algorithms for Intelligent Systems, 2020, , 489-502.	0.6	9
60	Intrusion Detection in Cyber Security: Role of Machine Learning and Data Mining in Cyber Security. Advances in Science, Technology and Engineering Systems, 2020, 5, 72-81.	0.5	25
61	A novel approach for solving skewed classification problem using cluster based ensemble method. Mathematical Foundations of Computing, 2020, 3, 1-9.	1.1	5
62	Challenges of Applying Deep Learning in Real-World Applications. Advances in Computer and Electrical Engineering Book Series, 2020, , 92-118.	0.3	24
63	Artificial Intelligence and Machine Learning Algorithms. Advances in Computer and Electrical Engineering Book Series, 2020, , 188-219.	0.3	21
64	A Look at Top 35 Problems in the Computer Science Field for the Next Decade. , 2020, , 379-396.		29
65	P3 Block: Privacy Preserved, Trusted Smart Parking Allotment for Future Vehicles of Tomorrow. Lecture Notes in Computer Science, 2020, , 783-796.	1.3	11
66	A Novel Feature Extractor Based on the Modified Approach of Histogram of Oriented Gradient. Lecture Notes in Computer Science, 2020, , 753-770.	1.3	5
67	Trust and Reputation Mechanisms in Vehicular Ad-Hoc Networks: A Systematic Review. Advances in Science, Technology and Engineering Systems, 2020, 5, 387-402.	0.5	4
68	Blockchain and Aadhaar based Electronic Voting System. , 2020, , .		19
69	A Novel Approach to Predict Chronic Kidney Disease using Machine Learning Algorithms. , 2020, , .		23
70	Necessity of Blockchain for Building Trust in Today's Applications: An Useful Explanation from User's Perspective. SSRN Electronic Journal, 2019, , .	0.4	4
71	How a User will Look the Connections of Internet of Things Devices?: A Smarter Look of Smarter Environment. SSRN Electronic Journal, 2019, , .	0.4	4
72	A Wide Scale Classification of Class Imbalance Problem and its Solutions: A Systematic Literature Review. Journal of Computer Science, 2019, 15, 886-929.	0.6	21

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73	Solving class imbalance problem using bagging, boosting techniques, with and without using noise filtering method. International Journal of Hybrid Intelligent Systems, 2019, 15, 67-76.	1.2	10
74	Intrusion Detection in Internet of Things (IoTs) Based Applications using Blockchain Technolgy. , 2019, , .		20
75	A Review on Several Critical Issues and Challenges in IoT based e-Healthcare System. , 2019, , .		20
76	Medical Cyber Physical Systems and Its Issues. Procedia Computer Science, 2019, 165, 647-655.	2.0	33
77	ISPAS: An Intelligent, Smart Parking Allotment System for Travelling Vehicles in Urban Areas. International Journal of Security and Its Applications, 2017, 11, 45-64.	0.8	9
78	Providing Together Security, Location Privacy and Trust for Moving Objects. International Journal of Hybrid Information Technology, 2016, 9, 221-240.	0.6	5
79	Providing trust enabled services in vehicular cloud computing. , 2016, , .		5
80	Providing Trust Enabled Services in Vehicular Cloud Computing. , 2016, , .		10
81	Location privacy preserving techniques for location based services over road networks. , 2015, , .		17
82	Preserving Location Privacy in Location Based Services against Sybil Attacks. International Journal of Security and Its Applications, 2015, 9, 175-196.	0.8	9
83	Detection of fast flux network based social bot using analysis based techniques. , 2012, , .		2
84	Building a Smart and Sustainable Environment using Internet of Things. SSRN Electronic Journal, 0, , .	0.4	15
85	Machine Learning with Big Data. SSRN Electronic Journal, 0, , .	0.4	18
86	Spy in the Crowd: How User's Privacy Is Getting Affected with the Integration of Internet of Thing's Devices. SSRN Electronic Journal, 0, , .	0.4	10
87	Role of Emerging Technologies in COVID 19: Analyses, Predictions, and Future Countermeasures. SSRN Electronic Journal, 0, , .	0.4	3
88	A Wrapper based feature extraction framework based on <scp>AlexNet</scp> deep convolutional neural network parameters optimized using gradient€based optimizer for mammogram images. Concurrency Computation Practice and Experience, 0, , .	2.2	1