

Amit Kumar Tyagi

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,220
citations

687363

13
h-index

677142

22
g-index

99
all docs

99
docs citations

99
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	The Future with Industry 4.0 at the Core of Society 5.0: Open Issues, Future Opportunities and Challenges. , 2021, , .		90
2	The Role of Machine Learning Techniques in Internet of Things-Based Cloud Applications. Internet of Things, 2022, , 105-135.	1.7	75
3	Intelligent Automation Systems at the Core of Industry 4.0. Advances in Intelligent Systems and Computing, 2021, , 1-18.	0.6	42
4	The World with Future Technologies (Post-COVID-19): Open Issues, Challenges, and the Road Ahead. , 2022, , 411-452.		42
5	Cyber Physical Systems: Analyses, challenges and possible solutions. Internet of Things and Cyber-physical Systems, 2021, 1, 22-33.	8.7	42
6	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
7	Medical Cyber Physical Systems and Its Issues. Procedia Computer Science, 2019, 165, 647-655.	2.0	33
8	Intrusion Detection in Intelligent Transportation System and its Applications using Blockchain Technology. , 2020, , .		31
9	A Look at Top 35 Problems in the Computer Science Field for the Next Decade. , 2020, , 379-396.		29
10	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
11	Challenges of Applying Deep Learning in Real-World Applications. Advances in Computer and Electrical Engineering Book Series, 2020, , 92-118.	0.3	24
12	A Novel Approach to Predict Chronic Kidney Disease using Machine Learning Algorithms. , 2020, , .		23
13	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
14	Artificial Intelligence and Machine Learning Algorithms. Advances in Computer and Electrical Engineering Book Series, 2020, , 188-219.	0.3	21
15	Blockchain Technology:â€œ A New Technology for Creating Distributed and Trusted Computing Environment. , 2022, , .		21
16	Intrusion Detection in Internet of Things (IoTs) Based Applications using Blockchain Technolgy. , 2019, , .		20
17	A Review on Several Critical Issues and Challenges in IoT based e-Healthcare System. , 2019, , .		20
18	Blockchain Enabled Cyber Security: A Comprehensive Survey. , 2022, , .		20

#	ARTICLE	IF	CITATIONS
19	Prediction of Pesticides and Fertilizers using Machine Learning and Internet of Things. , 2021, , .		19
20	Blockchain and Aadhaar based Electronic Voting System. , 2020, , .		19
21	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
22	Machine Learning with Big Data. SSRN Electronic Journal, 0, , .	0.4	18
23	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
24	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
25	Location privacy preserving techniques for location based services over road networks. , 2015, , .		17
26	Beyond the Hype: Internet of Things Concepts, Security and Privacy Concerns. Learning and Analytics in Intelligent Systems, 2020, , 393-407.	0.6	17
27	Deep Learning, Blockchain based Multi-layered Authentication and Security Architectures. , 2022, , .		16
28	Building a Smart and Sustainable Environment using Internet of Things. SSRN Electronic Journal, 0, , .	0.4	15
29	Human Activity Recognition Using Cell Phone-Based Accelerometer and Convolutional Neural Network. Applied Sciences (Switzerland), 2021, 11, 12099.	2.5	14
30	Healthcare Solutions for the Next Generation: A Useful Explanation from the User's Perspective. , 2021, , 175-217.		12
31	Security, Privacy and Trust Issues in Internet of Things and Machine Learning Based e-Healthcare. , 2022, , 291-317.		12
32	Internet of Things Based Smart Environment: Threat Analysis, Open Issues, and a Way Forward to Future. , 2022, , .		12
33	Preserving Privacy Using Blockchain Technology in Autonomous Vehicles. Lecture Notes in Networks and Systems, 2022, , 237-248.	0.7	12
34	Integration of Fog Computing and Internet of Things: An Useful Overview. Lecture Notes in Electrical Engineering, 2020, , 91-102.	0.4	11
35	P3 Block: Privacy Preserved, Trusted Smart Parking Allotment for Future Vehicles of Tomorrow. Lecture Notes in Computer Science, 2020, , 783-796.	1.3	11
36	Blockchain Technology for Securing Cyber-Infrastructure and Internet of Things Networks. , 2022, , 337-350.		11

#	ARTICLE	IF	CITATIONS
37	SecVT: Securing the Vehicles of Tomorrow using Blockchain Technology. , 2022, , .		11
38	Providing Trust Enabled Services in Vehicular Cloud Computing. , 2016, , .		10
39	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
40	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
41	Spy in the Crowd: How User's Privacy Is Getting Affected with the Integration of Internet of Things' Devices. SSRN Electronic Journal, 0, , .	0.4	10
42	Maintaining Scalability in Blockchain. Lecture Notes in Networks and Systems, 2022, , 34-45.	0.7	10
43	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
44	A Review on Security and Privacy Issues in Internet of Things. Algorithms for Intelligent Systems, 2020, , 489-502.	0.6	9
45	Preserving Location Privacy in Location Based Services against Sybil Attacks. International Journal of Security and Its Applications, 2015, 9, 175-196.	0.8	9
46	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
47	Mobile Cloud Computing: Issues, Applications and Scope in COVID-19. Lecture Notes in Networks and Systems, 2022, , 587-600.	0.7	9
48	Analysis of Text Mining Tools in Disease Prediction. Advances in Intelligent Systems and Computing, 2021, , 546-564.	0.6	8
49	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
50	Deep learning based Blockchain solution for preserving privacy in future vehicles. International Journal of Hybrid Intelligent Systems, 2021, 16, 223-236.	1.2	8
51	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
52	Traffic Prediction Using Machine Learning. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 969-983.	0.7	8
53	Blockchain Technology for Securing Internet of Vehicle: Issues and Challenges. , 2022, , .		8
54	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

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55	A Survey of Privacy Leakage and Security Vulnerabilities in the Internet of Things. , 2020, , .		7
56	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
57	Artificial Intelligence and Machine Learning Algorithms. , 2022, , 421-446.		7
58	Industry 4.0 Challenges in e-Healthcare Applications and Emerging Technologies. , 2022, , 265-290.		6
59	Blockchain Integrated Machine Learning for Training Autonomous Cars. Lecture Notes in Networks and Systems, 2022, , 27-37.	0.7	6
60	Providing Together Security, Location Privacy and Trust for Moving Objects. International Journal of Hybrid Information Technology, 2016, 9, 221-240.	0.6	5
61	Providing trust enabled services in vehicular cloud computing. , 2016, , .		5
62	Performance Analysis of Undersampling Approaches for Solving Customer Churn Prediction. Lecture Notes in Networks and Systems, 2021, , 341-347.	0.7	5
63	A novel approach for solving skewed classification problem using cluster based ensemble method. Mathematical Foundations of Computing, 2020, 3, 1-9.	1.1	5
64	Beyond Things: A Systematic Study of Internet of Everything. Advances in Intelligent Systems and Computing, 2021, , 226-242.	0.6	5
65	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
66	Reliable Edge Computing Architectures for Crowdsensing Applications. , 2022, , .		5
67	Ethical Hacking: Importance, Controversies and Scope in the Future. , 2022, , .		5
68	Necessity of Blockchain for Building Trust in Today's Applications: An Useful Explanation from User's Perspective. SSRN Electronic Journal, 2019, , .	0.4	4
69	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
70	Distance-based Bootstrap Sampling in Bagging for Imbalanced Data-Set. , 2020, , .		4
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Role of Emerging Technologies in COVID 19: Analyses, Predictions, and Future Countermeasures. SSRN Electronic Journal, 0, , .	0.4	3
76	Architecture, Generative Model, and Deep Reinforcement Learning for IoT Applications: Deep Learning Perspective. Internet of Things, 2022, , 243-265.	1.7	3
77	Detection of fast flux network based social bot using analysis based techniques. , 2012, , .		2
78	Precision Crop Protection Using Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2020, , 280-290.	0.6	2
79	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
80	Class Imbalanced Data: Open Issues and Future Research Directions. , 2021, , .		2
81	Prediction Models. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 50-69.	0.1	2
82	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
83	Genetic Data Analysis. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 358-372.	0.1	1
84	Blockchain in Clinical Trials. Advances in Data Mining and Database Management Book Series, 2021, , 278-292.	0.5	1
85	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
86	Blockchain Network based Decentralized Applications for Healthcare Sector. , 2022, , .		0
87	Study of Data Behaviour and Methods for Data Prediction and Analysis. , 2022, , .		0
88	Role of Artificial Intelligence in Cyber Security. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 92-104.	0.5	0