Rajesh Gupta

List of Publications by Year
in descending order

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Version: 2024-02-01

84	2,875	279798	214800
papers	citations	23 h-index	47 g-index

85	85	85	1410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Blockchain envisioned UAV networks: Challenges, solutions, and comparisons. Computer Communications, 2020, 151, 518-538.	5.1	178
2	Smart Contract Privacy Protection Using AI in Cyber-Physical Systems: Tools, Techniques and Challenges. IEEE Access, 2020, 8, 24746-24772.	4.2	155
3	Machine Learning Models for Secure Data Analytics: A taxonomy and threat model. Computer Communications, 2020, 153, 406-440.	5.1	132
4	Tactile-Internet-Based Telesurgery System for Healthcare 4.0: An Architecture, Research Challenges, and Future Directions. IEEE Network, 2019, 33, 22-29.	6.9	122
5	Blockchain-based security attack resilience schemes for autonomous vehicles in industry 4.0: A systematic review. Computers and Electrical Engineering, 2020, 86, 106717.	4.8	122
6	A Deep Learning-based Cryptocurrency Price Prediction Scheme for Financial Institutions. Journal of Information Security and Applications, 2020, 55, 102583.	2.5	114
7	Tactile internet and its applications in 5G era: A comprehensive review. International Journal of Communication Systems, 2019, 32, e3981.	2.5	111
8	Blockchain-Based Remote Patient Monitoring in Healthcare 4.0. , 2019, , .		104
9	Blockchain and AI amalgamation for energy cloud management: Challenges, solutions, and future directions. Journal of Parallel and Distributed Computing, 2020, 143, 148-166.	4.1	104
10	A taxonomy of AI techniques for 6G communication networks. Computer Communications, 2020, 161, 279-303.	5.1	98
11	HaBiTs: Blockchain-based Telesurgery Framework for Healthcare 4.0. , 2019, , .		95
12	A taxonomy of blockchain-enabled softwarization for secure UAV network. Computer Communications, 2020, 161, 304-323.	5.1	84
13	Facial Sentiment Analysis Using AI Techniques: State-of-the-Art, Taxonomies, and Challenges. IEEE Access, 2020, 8, 90495-90519.	4.2	83
14	Amalgamation of blockchain and IoT for smart cities underlying 6G communication: A comprehensive review. Computer Communications, 2021, 172, 102-118.	5.1	74
15	When Blockchain Meets Smart Grid: Secure Energy Trading in Demand Response Management. IEEE Network, 2020, 34, 299-305.	6.9	72
16	Fusion of blockchain and artificial intelligence for secure drone networking underlying 5G communications. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	66
17	Blockchain-Envisioned Softwarized Multi-Swarming UAVs to Tackle COVID-I9 Situations. IEEE Network, 2021, 35, 160-167.	6.9	65
18	6G-enabled Edge Intelligence for Ultra -Reliable Low Latency Applications: Vision and Mission. Computer Standards and Interfaces, 2021, 77, 103521.	5.4	63

#	Article	IF	Citations
19	VAHAK: A Blockchain-based Outdoor Delivery Scheme using UAV for Healthcare 4.0 Services. , 2020, , .		60
20	A taxonomy of blockchain envisioned edgeâ€asâ€aâ€connected autonomous vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4009.	3.9	56
21	Blockchainâ€assisted secure UAV communication in 6G environment: Architecture, opportunities, and challenges. IET Communications, 2021, 15, 1352-1367.	2.2	56
22	BATS: A Blockchain and AI-Empowered Drone-Assisted Telesurgery System Towards 6G. IEEE Transactions on Network Science and Engineering, 2021, 8, 2958-2967.	6.4	46
23	AaYusH: A Smart Contract-Based Telesurgery System for Healthcare 4.0. , 2020, , .		42
24	Ransomware Detection, Avoidance, and Mitigation Scheme: A Review and Future Directions. Sustainability, 2022, 14, 8.	3.2	38
25	Coalition Game and Blockchain-Based Optimal Data Pricing Scheme for Ride Sharing Beyond 5G. IEEE Systems Journal, 2022, 16, 6321-6327.	4.6	36
26	Blockchain-based Secure and Intelligent Sensing Scheme for Autonomous Vehicles Activity Tracking Beyond 5G Networks. Peer-to-Peer Networking and Applications, 2021, 14, 2757-2774.	3.9	35
27	Redills: Deep Learning-Based Secure Data Analytic Framework for Smart Grid Systems. , 2020, , .		32
28	BITS: A Blockchain-driven Intelligent Scheme for Telesurgery System. , 2020, , .		30
29	ET-DeaL: A P2P Smart Contract-based Secure Energy Trading Scheme for Smart Grid Systems. , 2020, , .		29
30	DL-GuesS: Deep Learning and Sentiment Analysis-Based Cryptocurrency Price Prediction. IEEE Access, 2022, 10, 35398-35409.	4.2	26
31	MedBlock: An AI-enabled and Blockchain-driven Medical Healthcare System for COVID-19. , 2021, , .		25
32	Quantum Cryptography-as-a-Service for Secure UAV Communication: Applications, Challenges, and Case Study. IEEE Access, 2022, 10, 1475-1492.	4.2	23
33	Blockchain and 5G integrated softwarized UAV network management: Architecture, solutions, and challenges. Physical Communication, 2021, 47, 101355.	2.1	22
34	A Taxonomy of Fake News Classification Techniques: Survey and Implementation Aspects. IEEE Access, 2022, 10, 30367-30394.	4.2	22
35	Blockchain for IoV in 6G environment: review solutions and challenges. Cluster Computing, 2022, 25, 1927-1955.	5.0	21
36	Deep learning-based malicious smart contract detection scheme for internet of things environment. Computers and Electrical Engineering, 2022, 97, 107583.	4.8	20

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37	GaRuDa: A Blockchain-Based Delivery Scheme Using Drones for Healthcare 5.0 Applications. IEEE Internet of Things Magazine, 2021, 4, 60-66.	2.6	20
38	Anomaly detection in autonomous electric vehicles using <scp>AI</scp> techniques: A comprehensive survey. Expert Systems, 2022, 39, .	4.5	19
39	Blockchain-Based Data Dissemination Scheme for 5G-Enabled Softwarized UAV Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1712-1721.	5.5	18
40	SaTYa: Trusted Bi-LSTM-Based Fake News Classification Scheme for Smart Community. IEEE Transactions on Computational Social Systems, 2022, 9, 1758-1767.	4.4	18
41	A taxonomy of energy optimization techniques for smart cities: Architecture and future directions. Expert Systems, 2022, 39, e12703.	4.5	17
42	B-IoMV: Blockchain-based onion routing protocol for D2D communication in an IoMV environment beyond 5G. Vehicular Communications, 2022, 33, 100401.	4.0	17
43	Deep Learning and Onion Routing-Based Collaborative Intelligence Framework for Smart Homes Underlying 6G Networks. IEEE Transactions on Network and Service Management, 2022, 19, 3401-3412.	4.9	17
44	OD-XAI: Explainable AI-Based Semantic Object Detection for Autonomous Vehicles. Applied Sciences (Switzerland), 2022, 12, 5310.	2.5	17
45	When Blockchain Meets Edge Intelligence: Trusted and Security Solutions for Consumers. IEEE Network, 2021, 35, 272-278.	6.9	15
46	XAI-AV: Explainable Artificial Intelligence for Trust Management in Autonomous Vehicles. , 2021, , .		15
47	Block6Tel: Blockchain-based Spectrum Allocation Scheme in 6G-envisioned Communications. , 2021, , .		14
48	Res6Edge: An Edge-AI Enabled Resource Sharing Scheme for C-V2X Communications towards 6G. , 2021, , .		13
49	Fusion in Cryptocurrency Price Prediction: A Decade Survey on Recent Advancements, Architecture, and Potential Future Directions. IEEE Access, 2022, 10, 34511-34538.	4.2	13
50	BFLEdge: Blockchain based federated edge learning scheme in V2X underlying 6G communications. , 2022, , .		12
51	Interference Mitigation and Secrecy Ensured for NOMA-Based D2D Communications Under Imperfect CSI. , 2021, , .		11
52	Blockchainâ€based electric vehicle charging reservation scheme for optimum pricing. International Journal of Energy Research, 2022, 46, 14994-15007.	4.5	11
53	Blockchain and AI-Empowered Social Distancing Scheme to Combat COVID-19 Situations. IEEE Access, 2021, 9, 129830-129840.	4.2	10
54	Fusion of AI techniques to tackle COVID-19 pandemic: models, incidence rates, and future trends. Multimedia Systems, 2022, 28, 1189-1222.	4.7	10

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55	A Zero-Sum Game-Based Secure and Interference Mitigation Scheme for Socially Aware D2D Communication With Imperfect CSI. IEEE Transactions on Network and Service Management, 2022, 19, 3478-3486.	4.9	10
56	Parkinson and essential tremor classification to identify the patientâ€™s risk based on tremor severity. Computers and Electrical Engineering, 2022, 101, 107946.	4.8	9
57	A Taxonomy on Smart Healthcare Technologies: Security Framework, Case Study, and Future Directions. Journal of Sensors, 2022, 2022, 1-30.	1.1	9
58	Secrecy-ensured NOMA-based cooperative D2D-aided fog computing under imperfect CSI. Journal of Information Security and Applications, 2021, 59, 102812.	2.5	8
59	Blockchain-based secure and trusted data sharing scheme for autonomous vehicle underlying 5G. Journal of Information Security and Applications, 2022, 67, 103179.	2.5	8
60	Blockchain and Zero-Sum Game-based Dynamic Pricing Scheme for Electric Vehicle Charging. , 2022, , .		8
61	Block-RAS: A P2P Resource Allocation Scheme in 6G Environment with Public Blockchains. , 2020, , .		7
62	A survey on artificial intelligence techniques for chronic diseases: open issues and challenges. Artificial Intelligence Review, 2022, 55, 3747-3800.	15.7	7
63	Blockchain-assisted industrial automation beyond 5G networks. Computers and Industrial Engineering, 2022, 169, 108209.	6.3	7
64	A Deep-Q Learning Scheme for Secure Spectrum Allocation and Resource Management in 6G Environment. IEEE Transactions on Network and Service Management, 2022, 19, 4989-5005.	4.9	7
65	Blockchain and AI-integrated vehicle-based dynamic parking pricing scheme. , 2021, , .		6
66	Amalgamation of Blockchain and AI to Classify Malicious Behavior of Autonomous Vehicles. , 2021, , .		6
67	A Smart contract-based secure data sharing scheme in Healthcare 5.0. , 2021, , .		5
68	Deep Learning-based Parkinson disease Classification using PET Scan Imaging Data. , 2021, , .		5
69	Deep learning and Blockchain-based Essential and Parkinson Tremor Classification Scheme. , 2022, , .		5
70	BaRCODe: A Blockchain-based Framework for Remote COVID Detection for Healthcare 5.0. , 2022, , .		5
71	PRS-P2P: A Prosumer Recommender System for Secure P2P Energy Trading using Q-Learning Towards 6G. , 2021, , .		4
72	FAIR: A Blockchain-based Vaccine Distribution Scheme for Pandemics. , 2021, , .		4

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73	AI-empowered Secure Data Communication in V2X Environment with 6G Network. , 2022, , .		4
74	Blockchain and Multiple Linear Regression-based Energy Trading Scheme for Electric Vehicles. , 2021, , .		3
75	A Survey on Resource Allocation Schemes in Device-to-Device Communication. , 2022, , .		3
76	Blockchain and Edge Intelligence-based Secure and Trusted V2V Framework Underlying 6G Networks. , 2022, , .		3
77	Block-D2D: Blockchain-enabled Cooperative D2D-assisted Fog Computing Scheme under Imperfect CSI. , 2021, , .		2
78	FaitH: Trusted Chain Network for Non-Cooperative D2D Communication Underlying HetNet. , 2021, , .		2
79	A survey on energyâ€efficient resource allocation schemes in deviceâ€toâ€device communication. International Journal of Communication Systems, 2022, 35, .	2.5	2
80	SARAS : Secure resource allocation scheme for NOMAâ€based deviceâ€toâ€device communication using coalition game and cognitive radio. International Journal of Communication Systems, 0, , .	2.5	2
81	Interference Mitigation and Secrecy-ensured D2D Resource Allocation Scheme using Game Theory. , 2022, , .		2
82	Capsule: All you need to know about Tactile Internet in a Nutshell. , 2021, , .		1
83	Optimal Resource Allocation for Quality-of-Service in D2D Communication Underlying Imperfect CSI. , 2021, , .		1
84	Blockchain and Stackleberg Game-based Fair and Trusted Data Pricing Scheme for Ride Sharing. , 2022, , .		1