Rajesh Gupta

List of Publications by Year
in descending order

84 papers	2,875 citations	279798 23 h-index	214800 47 g-index
85 all docs	85 docs citations	85 times ranked	1410 citing authors

#	ARTICLE	IF	CITATIONS
1	A taxonomy of energy optimization techniques for smart cities: Architecture and future directions. Expert Systems, 2022, 39, e12703.	4.5	17
2	Anomaly detection in autonomous electric vehicles using <scp>AI</scp> techniques: A comprehensive survey. Expert Systems, 2022, 39, .	4.5	19
3	Fusion of AI techniques to tackle COVID-19 pandemic: models, incidence rates, and future trends. Multimedia Systems, 2022, 28, 1189-1222.	4.7	10
4	B-IoMV: Blockchain-based onion routing protocol for D2D communication in an IoMV environment beyond 5G. Vehicular Communications, 2022, 33, 100401.	4.0	17
5	Deep learning-based malicious smart contract detection scheme for internet of things environment. Computers and Electrical Engineering, 2022, 97, 107583.	4.8	20
6	A survey on artificial intelligence techniques for chronic diseases: open issues and challenges. Artificial Intelligence Review, 2022, 55, 3747-3800.	15.7	7
7	Coalition Game and Blockchain-Based Optimal Data Pricing Scheme for Ride Sharing Beyond 5G. IEEE Systems Journal, 2022, 16, 6321-6327.	4.6	36
8	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
9	Quantum Cryptography-as-a-Service for Secure UAV Communication: Applications, Challenges, and Case Study. IEEE Access, 2022, 10, 1475-1492.	4.2	23
10	Blockchain for IoV in 6G environment: review solutions and challenges. Cluster Computing, 2022, 25, 1927-1955.	5.0	21
11	BFLEdge: Blockchain based federated edge learning scheme in V2X underlying 6G communications. , 2022, , .		12
12	<i>DL-GuesS</i>: Deep Learning and Sentiment Analysis-Based Cryptocurrency Price Prediction. IEEE Access, 2022, 10, 35398-35409.	4.2	26
13	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
14	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
15	A Taxonomy of Fake News Classification Techniques: Survey and Implementation Aspects. IEEE Access, 2022, 10, 30367-30394.	4.2	22
16	A Survey on Resource Allocation Schemes in Device-to-Device Communication. , 2022, , .		3
17	A survey on energy‐efficient resource allocation schemes in device‐to‐device communication. International Journal of Communication Systems, 2022, 35, .	2.5	2
18	Ransomware Detection, Avoidance, and Mitigation Scheme: A Review and Future Directions. Sustainability, 2022, 14, 8.	3.2	38

#	Article	IF	Citations
19	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
20	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
21	Parkinson and essential tremor classification to identify the patient's risk based on tremor severity. Computers and Electrical Engineering, 2022, 101, 107946.	4.8	9
22	Blockchain-assisted industrial automation beyond 5G networks. Computers and Industrial Engineering, 2022, 169, 108209.	6.3	7
23	OD-XAI: Explainable AI-Based Semantic Object Detection for Autonomous Vehicles. Applied Sciences (Switzerland), 2022, 12, 5310.	2.5	17
24	Blockchain-based electric vehicle charging reservation scheme for optimum pricing. International Journal of Energy Research, 2022, 46, 14994-15007.	4.5	11
25	Interference Mitigation and Secrecy-ensured D2D Resource Allocation Scheme using Game Theory. , 2022, , .		2
26	Deep learning and Blockchain-based Essential and Parkinson Tremor Classification Scheme. , 2022, , .		5
27	Blockchain and Zero-Sum Game-based Dynamic Pricing Scheme for Electric Vehicle Charging. , 2022, , .		8
28	AI-empowered Secure Data Communication in V2X Environment with 6G Network. , 2022, , .		4
29	Blockchain and Edge Intelligence-based Secure and Trusted V2V Framework Underlying 6G Networks. , 2022, , .		3
30	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
31	BaRCODe: A Blockchain-based Framework for Remote COVID Detection for Healthcare 5.0. , 2022, , .		5
32	Blockchain and Stackleberg Game-based Fair and Trusted Data Pricing Scheme for Ride Sharing. , 2022, , .		1
33	A Taxonomy on Smart Healthcare Technologies: Security Framework, Case Study, and Future Directions. Journal of Sensors, 2022, 2022, 1-30.	1.1	9
34	A taxonomy of blockchain envisioned edge-as-a-connected autonomous vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4009.	3.9	56
35	Fusion of blockchain and artificial intelligence for secure drone networking underlying 5G communications. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	66
36	Blockchain-Envisioned Softwarized Multi-Swarming UAVs to Tackle COVID-I9 Situations. IEEE Network, 2021, 35, 160-167.	6.9	65

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37	Blockchain and AI-Empowered Social Distancing Scheme to Combat COVID-19 Situations. IEEE Access, 2021, 9, 129830-129840.	4.2	10
38	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
39	Blockchainâ€assisted secure UAV communication in 6G environment: Architecture, opportunities, and challenges. IET Communications, 2021, 15, 1352-1367.	2.2	56
40	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
41	Amalgamation of blockchain and IoT for smart cities underlying 6G communication: A comprehensive review. Computer Communications, 2021, 172, 102-118.	5.1	74
42	PRS-P2P: A Prosumer Recommender System for Secure P2P Energy Trading using Q-Learning Towards 6G. , 2021, , .		4
43	Blockchain and AI-integrated vehicle-based dynamic parking pricing scheme. , 2021, , .		6
44	Block6Tel: Blockchain-based Spectrum Allocation Scheme in 6G-envisioned Communications. , 2021, , .		14
45	Res6Edge: An Edge-AI Enabled Resource Sharing Scheme for C-V2X Communications towards 6G. , 2021, , .		13
46	Block-D2D: Blockchain-enabled Cooperative D2D-assisted Fog Computing Scheme under Imperfect CSI. , 2021, , .		2
47	MedBlock: An AI-enabled and Blockchain-driven Medical Healthcare System for COVID-19. , 2021, , .		25
48	Secrecy-ensured NOMA-based cooperative D2D-aided fog computing under imperfect CSI. Journal of Information Security and Applications, 2021, 59, 102812.	2.5	8
49	Interference Mitigation and Secrecy Ensured for NOMA-Based D2D Communications Under Imperfect CSI. , 2021, , .		11
50	FaitH: Trusted Chain Network for Non-Cooperative D2D Communication Underlying HetNet. , 2021, , .		2
51	Blockchain and 5G integrated softwarized UAV network management: Architecture, solutions, and challenges. Physical Communication, 2021, 47, 101355.	2.1	22
52	6G-enabled Edge Intelligence for Ultra -Reliable Low Latency Applications: Vision and Mission. Computer Standards and Interfaces, 2021, 77, 103521.	5.4	63
53	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
54	When Blockchain Meets Edge Intelligence: Trusted and Security Solutions for Consumers. IEEE Network, 2021, 35, 272-278.	6.9	15

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55	Capsule: All you need to know about Tactile Internet in a Nutshell. , 2021, , .		1
56	XAI-AV: Explainable Artificial Intelligence for Trust Management in Autonomous Vehicles. , 2021, , .		15
57	Blockchain and Multiple Linear Regression-based Energy Trading Scheme for Electric Vehicles. , 2021, , .		3
58	Amalgamation of Blockchain and AI to Classify Malicious Behavior of Autonomous Vehicles. , 2021, , .		6
59	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
60	FAIR: A Blockchain-based Vaccine Distribution Scheme for Pandemics. , 2021, , .		4
61	Optimal Resource Allocation for Quality-of-Service in D2D Communication Underlying Imperfect CSI. , 2021, , .		1
62	A Smart contract-based secure data sharing scheme in Healthcare 5.0. , 2021, , .		5
63	Deep Learning-based Parkinson disease Classification using PET Scan Imaging Data. , 2021, , .		5
64	A Deep Learning-based Cryptocurrency Price Prediction Scheme for Financial Institutions. Journal of Information Security and Applications, 2020, 55, 102583.	2.5	114
65	AaYusH: A Smart Contract-Based Telesurgery System for Healthcare 4.0. , 2020, , .		42
66	A taxonomy of blockchain-enabled softwarization for secure UAV network. Computer Communications, 2020, 161, 304-323.	5.1	84
67	VAHAK: A Blockchain-based Outdoor Delivery Scheme using UAV for Healthcare 4.0 Services. , 2020, , .		60
68	A taxonomy of AI techniques for 6G communication networks. Computer Communications, 2020, 161, 279-303.	5.1	98
69	Redills: Deep Learning-Based Secure Data Analytic Framework for Smart Grid Systems. , 2020, , .		32
70	When Blockchain Meets Smart Grid: Secure Energy Trading in Demand Response Management. IEEE Network, 2020, 34, 299-305.	6.9	72
71	BITS: A Blockchain-driven Intelligent Scheme for Telesurgery System. , 2020, , .		30
72	ET-DeaL: A P2P Smart Contract-based Secure Energy Trading Scheme for Smart Grid Systems. , 2020, , .		29

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73	Facial Sentiment Analysis Using AI Techniques: State-of-the-Art, Taxonomies, and Challenges. IEEE Access, 2020, 8, 90495-90519.	4.2	83
74	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
75	Machine Learning Models for Secure Data Analytics: A taxonomy and threat model. Computer Communications, 2020, 153, 406-440.	5.1	132
76	Blockchain envisioned UAV networks: Challenges, solutions, and comparisons. Computer Communications, 2020, 151, 518-538.	5.1	178
77	Smart Contract Privacy Protection Using AI in Cyber-Physical Systems: Tools, Techniques and Challenges. IEEE Access, 2020, 8, 24746-24772.	4.2	155
78	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
79	Block-RAS: A P2P Resource Allocation Scheme in 6G Environment with Public Blockchains. , 2020, , .		7
80	Tactile internet and its applications in 5G era: A comprehensive review. International Journal of Communication Systems, 2019, 32, e3981.	2.5	111
81	HaBiTs: Blockchain-based Telesurgery Framework for Healthcare 4.0. , 2019, , .		95
82	Blockchain-Based Remote Patient Monitoring in Healthcare 4.0. , 2019, , .		104
83	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
84	<i>SARAS</i> : 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