

Rasheed Hussain

List of Publications by Year in descending order

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106
papers

3,441
citations

201674

27
h-index

175258

52
g-index

109
all docs

109
docs citations

109
times ranked

3220
citing authors

#	ARTICLE	IF	CITATIONS
1	Leveraging Smart Contracts for Secure and Asynchronous Group Key Exchange Without Trusted Third Party. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3176-3193.	5.4	3
2	Trustworthy Digital Twins in the Industrial Internet of Things With Blockchain. IEEE Internet Computing, 2022, 26, 58-67.	3.3	72
3	A Novel Contract Theory-Based Incentive Mechanism for Cooperative Task-Offloading in Electrical Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8380-8395.	8.0	17
4	Access Control Mechanisms in Named Data Networks. ACM Computing Surveys, 2022, 54, 1-35.	23.0	18
5	A comprehensive survey on clustering in vehicular networks: Current solutions and future challenges. Ad Hoc Networks, 2022, 124, 102729.	5.5	31
6	BUAKA-CS: Blockchain-enabled user authentication and key agreement scheme for crowdsourcing system. Journal of Systems Architecture, 2022, 123, 102370.	4.3	14
7	Carpooling in Connected and Autonomous Vehicles: Current Solutions and Future Directions. ACM Computing Surveys, 2022, 54, 1-36.	23.0	17
8	Blockchain-Based Digital Twins: Research Trends, Issues, and Future Challenges. ACM Computing Surveys, 2022, 54, 1-34.	23.0	37
9	Towards situational aware cyber-physical systems: A security-enhancing use case of blockchain-based digital twins. Computers in Industry, 2022, 141, 103699.	9.9	24
10	Trust in VANET: A Survey of Current Solutions and Future Research Opportunities. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2553-2571.	8.0	107
11	A Comprehensive Survey on Moving Networks. IEEE Communications Surveys and Tutorials, 2021, 23, 110-136.	39.4	28
12	On the Role of Hash-Based Signatures in Quantum-Safe Internet of Things: Current Solutions and Future Directions. IEEE Internet of Things Journal, 2021, 8, 1-17.	8.7	40
13	On the Adequacy of 5G Security for Vehicular Ad Hoc Networks. IEEE Communications Standards Magazine, 2021, 5, 32-39.	4.9	3
14	The case of HyperLedger Fabric as a blockchain solution for healthcare applications. Blockchain: Research and Applications, 2021, 2, 100012.	6.7	34
15	Effects of Differentiated 5G Services on Computational and Radio Resource Allocation Performance. IEEE Transactions on Network and Service Management, 2021, 18, 2226-2241.	4.9	14
16	CioSy: A Collaborative Blockchain-Based Insurance System. Electronics (Switzerland), 2021, 10, 1343.	3.1	12
17	On the Fairness of Generative Adversarial Networks (GANs). , 2021, , .		2
18	A Novel Deep Reinforcement Learning-based Approach for Task-offloading in Vehicular Networks. , 2021, , .		10

#	ARTICLE	IF	CITATIONS
19	Named Data Networking in Vehicular Ad Hoc Networks: State-of-the-Art and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 320-351.	39.4	195
20	Machine Learning for Resource Management in Cellular and IoT Networks: Potentials, Current Solutions, and Open Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1251-1275.	39.4	191
21	A Distributed Cache Placement Scheme for Large-Scale Information-Centric Networking. IEEE Network, 2020, 34, 126-132.	6.9	27
22	Vehicular Sensor Networks: Applications, Advances and Challenges. Sensors, 2020, 20, 3686.	3.8	11
23	Orchestrating product provenance story: When IOTA ecosystem meets electronics supply chain space. Computers in Industry, 2020, 123, 103334.	9.9	31
24	A Comparative Analysis of Cryptographic Algorithms in the Internet of Things. , 2020, , .		6
25	Provenance-enabled packet path tracing in the RPL-based internet of things. Computer Networks, 2020, 173, 107189.	5.1	19
26	MSIDN: Mitigation of Sophisticated Interest flooding-based DDoS attacks in Named Data Networking. Future Generation Computer Systems, 2020, 107, 293-306.	7.5	26
27	MARINE: Man-in-the-Middle Attack Resistant Trust Model in Connected Vehicles. IEEE Internet of Things Journal, 2020, 7, 3310-3322.	8.7	94
28	A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2891-2904.	6.3	21
29	Machine Learning in IoT Security: Current Solutions and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1686-1721.	39.4	409
30	Caching Policies in NDN-IoT Architecture. EAI/Springer Innovations in Communication and Computing, 2020, , 43-64.	1.1	9
31	Oversampling Versus Variational Autoencoders: Employing Synthetic Data for Detection of Heracleum Sosnowskyi in Satellite Images. Lecture Notes in Electrical Engineering, 2020, , 399-409.	0.4	1
32	A Machine to Machine Framework for the Charging of Electric Autonomous Vehicles. Advances in Intelligent Systems and Computing, 2020, , 34-45.	0.6	0
33	Towards a Secure and Efficient Location-based Secret Sharing Protocol. , 2020, , .		0
34	Integration of VANET and 5G Security: A review of design and implementation issues. Future Generation Computer Systems, 2019, 101, 843-864.	7.5	92
35	Realization of Blockchain in Named Data Networking-Based Internet-of-Vehicles. IT Professional, 2019, 21, 41-47.	1.5	28
36	Interplay between Big Spectrum Data and Mobile Internet of Things: Current solutions and future challenges. Computer Networks, 2019, 163, 106879.	5.1	9

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37	Infotainment Enabled Smart Cars: A Joint Communication, Caching, and Computation Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 8408-8420.	6.3	52
38	A Novel Congestion-Aware Interest Flooding Attacks Detection Mechanism in Named Data Networking. , 2019, , .		8
39	A Comparative Analysis of Trust Models for Safety Applications in IoT-enabled Vehicular Networks. , 2019, , .		19
40	Probabilistic Estimation of Honey-pot Detection in Internet of Things Environment. , 2019, , .		8
41	An Architecture for Distributed Ledger-Based M2M Auditing for Electric Autonomous Vehicles. Advances in Intelligent Systems and Computing, 2019, , 116-128.	0.6	4
42	On the Blockchain-Based General-Purpose Public Key Infrastructure. , 2019, , .		1
43	A Trust Management Framework for Software Defined Networks-based Internet of Things. , 2019, , .		6
44	A Comparative Analysis of Distributed Ledger Technologies for Smart Contract Development. , 2019, , .		18
45	Autonomous Cars: Research Results, Issues, and Future Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 1275-1313.	39.4	331
46	Authentication in cloud-driven IoT-based big data environment: Survey and outlook. Journal of Systems Architecture, 2019, 97, 185-196.	4.3	120
47	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
48	Segmented and non-segmented stacked denoising autoencoder for hyperspectral band reduction. Optik, 2019, 180, 370-378.	2.9	27
49	Human Activity Recognition Using Deep Models and Its Analysis from Domain Adaptation Perspective. Lecture Notes in Computer Science, 2019, , 189-202.	1.3	2
50	Towards Pending Interest Table Management Solutions in Named Data Networking. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4271-4279.	0.4	4
51	SVPS: Cloud-based smart vehicle parking system over ubiquitous VANETs. Computer Networks, 2018, 138, 18-30.	5.1	37
52	Second-level degree-based entity resolution in online social networks. Social Network Analysis and Mining, 2018, 8, 1.	2.8	3
53	Autonomous Cars: Social and Economic Implications. IT Professional, 2018, 20, 70-77.	1.5	13
54	On M2M Micropayments: A Case Study of Electric Autonomous Vehicles. , 2018, , .		14

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55	A New Machine Learning-based Collaborative DDoS Mitigation Mechanism in Software-Defined Network. , 2018, , .		30
56	Towards Multi-metric Cache Replacement Policies in Vehicular Named Data Networks. , 2018, , .		20
57	Multi-label Class-imbalanced Action Recognition in Hockey Videos via 3D Convolutional Neural Networks. , 2018, , .		33
58	Named Data Networking's Intrinsic Cyber-Resilience for Vehicular CPS. IEEE Access, 2018, 6, 60570-60585.	4.2	19
59	Real-Time Density Detection in Connected Vehicles: Design and Implementation. IEEE Communications Magazine, 2018, 56, 64-70.	6.1	4
60	Analysis of Android Camera Spoofing Techniques. , 2018, , .		0
61	Multilayer Partially Homomorphic Encryption Text Steganography (MLPHE-TS): A Zero Steganography Approach. Wireless Personal Communications, 2018, 103, 1563-1585.	2.7	24
62	Realization of VANET-Based Cloud Services through Named Data Networking. IEEE Communications Magazine, 2018, 56, 168-175.	6.1	26
63	A Trusted Lightweight Communication Strategy for Flying Named Data Networking. Sensors, 2018, 18, 2683.	3.8	44
64	A distributed time-limited multicast algorithm for VANETs using incremental power strategy. Computer Networks, 2018, 145, 141-155.	5.1	9
65	Secure and Privacy-Aware Incentives-Based Witness Service in Social Internet of Vehicles Clouds. IEEE Internet of Things Journal, 2018, 5, 2441-2448.	8.7	44
66	Fuzziness-based active learning framework to enhance hyperspectral image classification performance for discriminative and generative classifiers. PLoS ONE, 2018, 13, e0188996.	2.5	28
67	PB-MII: replacing static RSUs with public buses-based mobile intermediary infrastructure in urban VANET-based clouds. Cluster Computing, 2017, 20, 2231-2252.	5.0	9
68	A new outsourcing conditional proxy re-encryption suitable for mobile cloud environment. Concurrency Computation Practice and Experience, 2017, 29, e3946.	2.2	5
69	Evolution of Friendship. , 2017, , .		6
70	A New Privacy Aware Payment Scheme for Wireless Charging of Electric Vehicles. Wireless Personal Communications, 2017, 92, 1011-1028.	2.7	9
71	Social-Aware Bootstrapping and Trust Establishing Mechanism for Vehicular Social Networks. , 2017, , .		17
72	PBF: A New Privacy-Aware Billing Framework for Online Electric Vehicles with Bidirectional Auditability. Wireless Communications and Mobile Computing, 2017, 2017, 1-17.	1.2	16

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73	Graph-based spatial-spectral feature learning for hyperspectral image classification. IET Image Processing, 2017, 11, 1310-1316.	2.5	26
74	Unsupervised geometrical feature learning from hyperspectral data. , 2016, , .		7
75	A New Comprehensive RSU Installation Strategy for Cost-Efficient VANET Deployment. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	63
76	Cost effective mobile and static road side unit deployment for vehicular adhoc networks. , 2016, , .		4
77	Traffic Information Dissemination System: Extending Cooperative Awareness Among Smart Vehicles with only Single-Hop Beacons in VANET. Wireless Personal Communications, 2016, 88, 151-172.	2.7	15
78	A Hybrid Trust Management Framework for Vehicular Social Networks. Lecture Notes in Computer Science, 2016, , 214-225.	1.3	24
79	A New Privacy-Aware Mutual Authentication Mechanism for Charging-on-the-Move in Online Electric Vehicles. , 2015, , .		15
80	Covert communication based privacy preservation in mobile vehicular networks. , 2015, , .		6
81	Privacy aware incentive mechanism to collect mobile data while preventing duplication. , 2015, , .		0
82	A two level privacy preserving pseudonymous authentication protocol for VANET. , 2015, , .		13
83	A Paradigm Shift from Vehicular Ad Hoc Networks to VANET-Based Clouds. Wireless Personal Communications, 2015, 83, 1131-1158.	2.7	55
84	Secure and privacy-aware traffic information as a service in VANET-based clouds. Pervasive and Mobile Computing, 2015, 24, 194-209.	3.3	35
85	A Trustless Broker Based Protocol to Discover Friends in Proximity-Based Mobile Social Networks. Lecture Notes in Computer Science, 2015, , 216-227.	1.3	5
86	A Simple Yet Efficient Approach to Combat Transaction Malleability in Bitcoin. Lecture Notes in Computer Science, 2015, , 27-37.	1.3	7
87	C-DVR: Secure cloud based DVR framework based on personal virtualization. , 2014, , .		1
88	On Secure, Privacy-Aware, and Efficient Beacon Broadcasting among One-Hop Neighbors in VANETs. , 2014, , .		4
89	Cooperation-Aware VANET Clouds: Providing Secure Cloud Services to Vehicular Ad Hoc Networks. Journal of Information Processing Systems, 2014, 10, 103-118.	0.9	41
90	On Secure and Privacy-Aware Sybil Attack Detection in Vehicular Communications. Wireless Personal Communications, 2014, 77, 2649-2673.	2.7	29

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91	Using public buses as mobile gateways in vehicular clouds. , 2014, , .		20
92	SC-DVR: a secure cloud computing based framework for DVR service. IEEE Transactions on Consumer Electronics, 2014, 60, 368-374.	3.6	7
93	Media cloud: A secure and efficient virtualization framework for media service. , 2014, , .		2
94	Conditional proxy re-encryption for secure big data group sharing in cloud environment. , 2014, , .		10
95	A Secure and Privacy-Aware Route Tracing and Revocation Mechanism in VANET-based Clouds. Journal of the Korea Institute of Information Security and Cryptology, 2014, 24, 795-807.	0.1	9
96	Identity-Exchange based Privacy Preserving Mechanism in Vehicular Networks. Journal of the Korea Institute of Information Security and Cryptology, 2014, 24, 1147-1157.	0.1	0
97	TlaaS: Secure Cloud-assisted Traffic Information Dissemination in Vehicular Ad Hoc Networks. , 2013, , .		25
98	Vehicle Witnesses as a Service: Leveraging Vehicles as Witnesses on the Road in VANET Clouds. , 2013, , .		36
99	Towards Achieving Anonymity in LBS: A Cloud Based Untrusted Middleware. , 2013, , .		1
100	Privacy-aware route tracing and revocation games in VANET-based clouds. , 2013, , .		12
101	Privacy Preserving Cloud-Based Computing Platform (PPCCP) for Using Location Based Services. , 2013, , .		8
102	AntiSybil: Standing against Sybil Attacks in Privacy-Preserved VANET. , 2012, , .		7
103	Rethinking Vehicular Communications: Merging VANET with cloud computing. , 2012, , .		189
104	Privacy-Aware VANET Security: Putting Data-Centric Misbehavior and Sybil Attack Detection Schemes into Practice. Lecture Notes in Computer Science, 2012, , 296-311.	1.3	11
105	Cost effective software engineering using program slicing techniques. , 2009, , .		3
106	Towards Privacy Aware Pseudonymless Strategy for Avoiding Profile Generation in VANET. Lecture Notes in Computer Science, 2009, , 268-280.	1.3	24