

Reza M Parizi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86 papers	2,563 citations	27 h-index	49 g-index
98 ext. papers	3,799 ext. citations	4.1 avg, IF	6.51 L-index

#	Paper	IF	Citations
86	Federated IoT attack detection using decentralized edge data. <i>Machine Learning With Applications</i> , 2022 , 8, 100263	6.5	2
85	An efficient packet parser architecture for software-defined 5G networks. <i>Physical Communication</i> , 2022 , 53, 101677	2.2	0
84	Internet of Things use case applications for COVID-19 2022 , 377-412		
83	FabricFL: Blockchain-in-the-Loop Federated Learning for Trusted Decentralized Systems. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	2
82	BlockHDFS: Blockchain-integrated Hadoop distributed file system for secure provenance traceability. <i>Blockchain: Research and Applications</i> , 2021 , 2, 100032	2.5	1
81	Multimodal Machine Learning for Pedestrian Detection 2021 ,		1
80	Sensor Fusion for Drone Detection 2021 ,		2
79	Multi-source fusion for weak target images in the Industrial Internet of Things. <i>Computer Communications</i> , 2021 , 173, 150-159	5.1	5
78	Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. <i>Journal of Biomedical Informatics</i> , 2021 , 117, 103751	10.2	20
77	Root causing, detecting, and fixing flaky tests: State of the art and future roadmap. <i>Software - Practice and Experience</i> , 2021 , 51, 851-867	2.5	5
76	Enabling Drones in the Internet of Things With Decentralized Blockchain-Based Security. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 6406-6415	10.7	49
75	A survey on security and privacy of federated learning. <i>Future Generation Computer Systems</i> , 2021 , 115, 619-640	7.5	165
74	A kangaroo-based intrusion detection system on software-defined networks. <i>Computer Networks</i> , 2021 , 184, 107688	5.4	12
73	Security aspects of Internet of Things aided smart grids: A bibliometric survey. <i>Internet of Things (Netherlands)</i> , 2021 , 14, 100111	6.9	64
72	A survey on internet of things security: Requirements, challenges, and solutions. <i>Internet of Things (Netherlands)</i> , 2021 , 14, 100129	6.9	82
71	Methods for Proteogenomics Data Analysis, Challenges, and Scalability Bottlenecks: A Survey. <i>IEEE Access</i> , 2021 , 9, 5497-5516	3.5	3
70	An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. <i>IEEE Access</i> , 2021 , 9, 117734-117745	3.45	9

69	Signcryption based Authenticated and Key Exchange Protocol for EI-based V2G Environment. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	1
68	Physical layer attack identification and localization in cyberphysical grid: An ensemble deep learning based approach. <i>Physical Communication</i> , 2021 , 47, 101394	2.2	6
67	Federated learning for drone authentication. <i>Ad Hoc Networks</i> , 2021 , 120, 102574	4.8	6
66	Deep Representation Learning for Cyber-Attack Detection in Industrial IoT 2021 , 139-162		1
65	Mining of High-Utility Patterns in Big IoT-based Databases. <i>Mobile Networks and Applications</i> , 2021 , 26, 216-233	2.9	7
64	Federated Learning-based Anomaly Detection for IoT Security Attacks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	42
63	An Ensemble Deep Learning-Based Cyber-Attack Detection in Industrial Control System. <i>IEEE Access</i> , 2020 , 8, 83965-83973	3.5	58
62	Green communication in IoT networks using a hybrid optimization algorithm. <i>Computer Communications</i> , 2020 , 159, 97-107	5.1	53
61	. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 630-640	4.1	21
60	SLPoW: Secure and Low Latency Proof of Work Protocol for Blockchain in Green IoT Networks 2020 , ,		14
59	AI4SAFE-IoT: an AI-powered secure architecture for edge layer of Internet of things. <i>Neural Computing and Applications</i> , 2020 , 32, 16119-16133	4.8	32
58	A high-performance framework for a network programmable packet processor using P4 and FPGA. <i>Journal of Network and Computer Applications</i> , 2020 , 156, 102564	7.9	19
57	VANETomo: A congestion identification and control scheme in connected vehicles using network tomography. <i>Computer Communications</i> , 2020 , 151, 275-289	5.1	12
56	An Energy-Efficient SDN Controller Architecture for IoT Networks With Blockchain-Based Security. <i>IEEE Transactions on Services Computing</i> , 2020 , 13, 625-638	4.8	82
55	A multiview learning method for malware threat hunting: windows, IoT and android as case studies. <i>World Wide Web</i> , 2020 , 23, 1241-1260	2.9	24
54	Decentralized Authentication of Distributed Patients in Hospital Networks Using Blockchain. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2146-2156	7.2	70
53	Detecting Cryptomining Malware: a Deep Learning Approach for Static and Dynamic Analysis. <i>Journal of Grid Computing</i> , 2020 , 18, 293-303	4.2	21
52	Cost optimization of secure routing with untrusted devices in software defined networking. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 143, 36-46	4.4	22

51	An Ensemble of Deep Recurrent Neural Networks for Detecting IoT Cyber Attacks Using Network Traffic. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8852-8859	10.7	49
50	AI and Security of Critical Infrastructure 2020 , 7-36		1
49	Big-Data and Cyber-Physical Systems in Healthcare: Challenges and Opportunities 2020 , 255-283		3
48	Immutable and Secure IP Address Protection Using Blockchain. <i>Advances in Information Security</i> , 2020 , 233-246	0.7	2
47	A Survey on Application of Big Data in Fin Tech Banking Security and Privacy 2020 , 319-342		3
46	An Empirical Evaluation of AI Deep Explainable Tools 2020 ,		5
45	Blockchain in Cybersecurity Realm: An Overview. <i>Advances in Information Security</i> , 2020 , 1-5	0.7	3
44	Public Blockchains Scalability: An Examination of Sharding and Segregated Witness. <i>Advances in Information Security</i> , 2020 , 203-232	0.7	14
43	Blockchain-Based Certification for Education, Employment, and Skill with Incentive Mechanism. <i>Advances in Information Security</i> , 2020 , 269-290	0.7	14
42	Secure Blockchain-Based Traffic Load Balancing Using Edge Computing and Reinforcement Learning. <i>Advances in Information Security</i> , 2020 , 99-128	0.7	2
41	Blockchain Applications in Power Systems: A Bibliometric Analysis. <i>Advances in Information Security</i> , 2020 , 129-145	0.7	3
40	A Systematic Literature Review of Integration of Blockchain and Artificial Intelligence. <i>Advances in Information Security</i> , 2020 , 147-160	0.7	11
39	The Future of Blockchain Technology in Healthcare Internet of Things Security. <i>Advances in Information Security</i> , 2020 , 161-184	0.7	30
38	A Hybrid Deep Generative Local Metric Learning Method for Intrusion Detection 2020 , 343-357		13
37	Industrial Big Data Analytics: Challenges and Opportunities 2020 , 37-61		8
36	A Comparison of State-of-the-Art Machine Learning Models for OpCode-Based IoT Malware Detection 2020 , 109-120		5
35	Learning Based Anomaly Detection in Critical Cyber-Physical Systems 2020 , 107-130		8
34	Multi-camera multiple vehicle tracking in urban intersections based on multilayer graphs. <i>IET Intelligent Transport Systems</i> , 2020 , 14, 1673-1690	2.4	3

33	. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 1-1	4.9	53
32	Blockchain smart contracts formalization: Approaches and challenges to address vulnerabilities. <i>Computers and Security</i> , 2020 , 88, 101654	4.9	71
31	An improved two-hidden-layer extreme learning machine for malware hunting. <i>Computers and Security</i> , 2020 , 89, 101655	4.9	39
30	An incentive-aware blockchain-based solution for internet of fake media things. <i>Information Processing and Management</i> , 2020 , 57, 102370	6.3	78
29	Cryptocurrency malware hunting: A deep Recurrent Neural Network approach. <i>Applied Soft Computing Journal</i> , 2020 , 96, 106630	7.5	37
28	Internet of Things for Current COVID-19 and Future Pandemics: an Exploratory Study. <i>Journal of Healthcare Informatics Research</i> , 2020 , 4, 1-40	4	95
27	Federated Learning: A Survey on Enabling Technologies, Protocols, and Applications. <i>IEEE Access</i> , 2020 , 8, 140699-140725	3.5	110
26	Budget Feasible Roadside Unit Allocation Mechanism in Vehicular Ad-Hoc Networks 2020 ,		2
25	MVFCC: A Multi-View Fuzzy Consensus Clustering Model for Malware Threat Attribution. <i>IEEE Access</i> , 2020 , 8, 139188-139198	3.5	16
24	Blockchain Technology and Neural Networks for the Internet of Medical Things 2020 ,		24
23	A Provably Secure Two-Factor Authentication Scheme for USB Storage Devices. <i>IEEE Transactions on Consumer Electronics</i> , 2020 , 66, 396-405	4.8	13
22	A systematic literature review of blockchain cyber security. <i>Digital Communications and Networks</i> , 2020 , 6, 147-156	5.9	191
21	P4-to-blockchain: A secure blockchain-enabled packet parser for software defined networking. <i>Computers and Security</i> , 2020 , 88, 101629	4.9	42
20	Guideline-Based Approach for IoT Home Application Development 2019 ,		6
19	A Deep and Scalable Unsupervised Machine Learning System for Cyber-Attack Detection in Large-Scale Smart Grids. <i>IEEE Access</i> , 2019 , 7, 80778-80788	3.5	125
18	Classification-based and Energy-Efficient Dynamic Task Scheduling Scheme for Virtualized Cloud Data Center. <i>IEEE Transactions on Cloud Computing</i> , 2019 , 1-1	3.3	13
17	Fuzzy pattern tree for edge malware detection and categorization in IoT. <i>Journal of Systems Architecture</i> , 2019 , 97, 1-7	5.5	99
16	A Blockchain-based Framework for Detecting Malicious Mobile Applications in App Stores 2019 ,		22

15	Data Sharing and Privacy for Patient IoT Devices Using Blockchain. <i>Communications in Computer and Information Science</i> , 2019 , 334-348	0.3	20
14	An Efficient Encryption Algorithm for the Security of Sensitive Private Information in Cyber-Physical Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 1220	2.6	6
13	Energy Efficient Decentralized Authentication in Internet of Underwater Things Using Blockchain 2019 ,		19
12	Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. <i>IEEE Access</i> , 2019 , 7, 176935-176951	3.5	141
11	BlockIPFS - Blockchain-Enabled Interplanetary File System for Forensic and Trusted Data Traceability 2019 ,		32
10	2019 ,		25
9	Fog data analytics: A taxonomy and process model. <i>Journal of Network and Computer Applications</i> , 2019 , 128, 90-104	7.9	80
8	Smart Contract Programming Languages on Blockchains: An Empirical Evaluation of Usability and Security. <i>Lecture Notes in Computer Science</i> , 2018 , 75-91	0.9	51
7	CyberPDF 2018 ,		4
6	OWASP Risk Analysis Driven Security Requirements Specification for Secure Android Mobile Software Development 2018 ,		11
5	Measuring Team Members' Contributions in Software Engineering Projects using Git-driven Technology 2018 ,		7
4	On the Understanding of Gamification in Blockchain Systems 2018 ,		17
3	Benchmark Requirements for Assessing Software Security Vulnerability Testing Tools 2018 ,		5
2	Secure and quality-of-service-supported service-oriented architecture for mobile cloud handoff process. <i>Computers and Security</i> , 2017 , 66, 169-184	4.9	8
1	A Deep Neural Network Combined with Radial Basis Function for Abnormality Classification. <i>Mobile Networks and Applications</i> , 1	2.9	0