

Pandi Vijayakumar

List of Publications by Citations

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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.

117
papers

2,179
citations

23
h-index

42
g-index

128
ext. papers

2,999
ext. citations

4.6
avg, IF

6.01
L-index

#	Paper	IF	Citations
117	EAAP: Efficient Anonymous Authentication With Conditional Privacy-Preserving Scheme for Vehicular Ad Hoc Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 2467-2476	6.1	214
116	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 1015-1028	6.1	173
115	Comprehensive survey on security services in vehicular ad-hoc networks. <i>IET Intelligent Transport Systems</i> , 2016 , 10, 379-388	2.4	116
114	Computationally efficient privacy preserving anonymous mutual and batch authentication schemes for vehicular ad hoc networks. <i>Future Generation Computer Systems</i> , 2018 , 78, 943-955	7.5	115
113	A robust and efficient password-based conditional privacy preserving authentication and group-key agreement protocol for VANETs. <i>Future Generation Computer Systems</i> , 2018 , 84, 216-227	7.5	93
112	Provably Secure Identity-Based Signcryption Scheme for Crowdsourced Industrial Internet of Things Environments. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2904-2914	10.7	69
111	HomeChain: A Blockchain-Based Secure Mutual Authentication System for Smart Homes. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 818-829	10.7	65
110	Computationally efficient privacy preserving authentication and key distribution techniques for vehicular ad hoc networks. <i>Cluster Computing</i> , 2017 , 20, 2439-2450	2.1	57
109	Blockchain-Based Mutual-Healing Group Key Distribution Scheme in Unmanned Aerial Vehicles Ad-Hoc Network. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11309-11322	6.8	53
108	Efficient and Secure Anonymous Authentication With Location Privacy for IoT-Based WBANs. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2603-2611	11.9	53
107	Chinese remainder Theorem based centralised group key management for secure multicast communication. <i>IET Information Security</i> , 2014 , 8, 179-187	1.4	46
106	A Lightweight Privacy-Preserving Authentication Protocol for VANETs. <i>IEEE Systems Journal</i> , 2020 , 14, 3547-3557	4.3	42
105	Time efficient secure DNA based access control model for cloud computing environment. <i>Future Generation Computer Systems</i> , 2017 , 73, 90-105	7.5	41
104	Efficient authentication protocol for secure multimedia communications in IoT-enabled wireless sensor networks. <i>Multimedia Tools and Applications</i> , 2018 , 77, 18295-18325	2.5	40
103	A practical group blind signature scheme for privacy protection in smart grid. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 136, 29-39	4.4	38
102	Centralized key distribution protocol using the greatest common divisor method. <i>Computers and Mathematics With Applications</i> , 2013 , 65, 1360-1368	2.7	36
101	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 807-817	6.8	35

100	Secure Multifactor Authenticated Key Agreement Scheme for Industrial IoT. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3801-3811	10.7	34
99	An intelligent temporal pattern classification system using fuzzy temporal rules and particle swarm optimization. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014 , 39, 283-302	1	31
98	A Novel UAV-Enabled Data Collection Scheme for Intelligent Transportation System Through UAV Speed Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 2100-2110	6.1	30
97	A Provably Secure Three-Factor Session Initiation Protocol for Multimedia Big Data Communications. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3408-3418	10.7	24
96	Blockchain-based batch authentication protocol for Internet of Vehicles. <i>Journal of Systems Architecture</i> , 2021 , 113, 101877	5.5	24
95	A provably secure password-based anonymous authentication scheme for wireless body area networks. <i>Computers and Electrical Engineering</i> , 2018 , 65, 322-331	4.3	23
94	Fuzzy-logic based learning style prediction in e-learning using web interface information. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2015 , 40, 379-394	1	22
93	CPAV: Computationally Efficient Privacy Preserving Anonymous Authentication Scheme for Vehicular Ad Hoc Networks 2015 ,		22
92	COVID-19: Automatic Detection of the Novel Coronavirus Disease From CT Images Using an Optimized Convolutional Neural Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 6480-6488	11.9	22
91	An efficient secure communication for healthcare system using wearable devices. <i>Computers and Electrical Engineering</i> , 2017 , 63, 232-245	4.3	21
90	A Novel Three-Factor Authentication Protocol for Wireless Sensor Networks With IoT Notion. <i>IEEE Systems Journal</i> , 2021 , 15, 1120-1129	4.3	21
89	A Dependable Time Series Analytic Framework for Cyber-Physical Systems of IoT-based Smart Grid. <i>ACM Transactions on Cyber-Physical Systems</i> , 2019 , 3, 1-18	2.3	20
88	An efficient group key agreement protocol for secure P2P communication. <i>Security and Communication Networks</i> , 2016 , 9, 3952-3965	1.9	18
87	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3939-3951	6.1	18
86	An efficient anonymous authentication and confidentiality preservation schemes for secure communications in wireless body area networks. <i>Wireless Networks</i> , 2021 , 27, 2119-2130	2.5	18
85	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 6056-6068	10.7	17
84	Detection of Low-Frequency and Multi-Stage Attacks in Industrial Internet of Things. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 8820-8831	6.8	16
83	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1947-1956	11.9	16

82	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5599-5606	10.7	16
81	Rotation based secure multicast key management for batch rekeying operations. <i>Networking Science</i> , 2012 , 1, 39-47		15
80	A Provably Secure and Lightweight Identity-Based Two-Party Authenticated Key Agreement Protocol for IIoT Environments. <i>IEEE Systems Journal</i> , 2021 , 15, 1732-1741	4.3	15
79	An Anonymous Batch Authentication and Key Exchange Protocols for 6G Enabled VANETs. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-9	6.1	15
78	A Novel Lightweight Authentication Protocol for Emergency Vehicle Avoidance in VANETs. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14248-14257	10.7	15
77	An effective key distribution for secure internet pay-TV using access key hierarchies. <i>Security and Communication Networks</i> , 2016 , 9, 5085-5097	1.9	14
76	BUA: A Blockchain-based Unlinkable Authentication in VANETs 2020 ,		14
75	Human-in-the-Loop-Aided Privacy-Preserving Scheme for Smart Healthcare. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-10	4.1	13
74	An efficient anonymous authentication and key agreement scheme with privacy-preserving for smart cities. <i>International Journal of Distributed Sensor Networks</i> , 2021 , 17, 155014772110268	1.7	13
73	Blockchain-based Secure Data Storage Protocol for Sensors in the Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	13
72	Efficient NTRU Lattice-Based Certificateless Signature Scheme for Medical Cyber-Physical Systems. <i>Journal of Medical Systems</i> , 2020 , 44, 92	5.1	11
71	A new SmartSMS protocol for secure SMS communication in m-health environment. <i>Computers and Electrical Engineering</i> , 2018 , 65, 265-281	4.3	11
70	Efficient Multi-keyword Search over Encrypted Data in Untrusted Cloud Environment 2017 ,		11
69	A Mobile Intelligent Terminal Based Anonymous Authenticated Key Exchange Protocol for Roaming Service in Global Mobility Networks. <i>IEEE Transactions on Sustainable Computing</i> , 2020 , 5, 268-278	3.5	11
68	Efficient data integrity auditing with corrupted data recovery for edge computing in enterprise multimedia security. <i>Multimedia Tools and Applications</i> , 2020 , 79, 10851-10870	2.5	10
67	A robust and efficient bilinear pairing based mutual authentication and session key verification over insecure communication. <i>Multimedia Tools and Applications</i> , 2018 , 77, 11041-11066	2.5	10
66	Secure big data communication for energy efficient intra-cluster in WSNs. <i>Information Sciences</i> , 2019 , 505, 586-599	7.7	10
65	Data accessing based on the popularity value for cloud computing 2017 ,		10

64	An Unlinkable Authenticated Key Agreement With Collusion Resistant for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7992-8006	6.8	10
63	The Application of the Blockchain Technology in Voting Systems. <i>ACM Computing Surveys</i> , 2021 , 54, 1-28	13.4	9
62	AI-Enabled Blockchain-Based Access Control for Malicious Attacks Detection and Mitigation in IoE. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 10, 82-92	3.2	9
61	Efficient Identity-Based Distributed Decryption Scheme for Electronic Personal Health Record Sharing System. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 384-395	14.2	9
60	A Privacy-Preserving and Untraceable Group Data Sharing Scheme in Cloud Computing. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 1-1	3.9	9
59	Achieving Privacy-Preserving DSSE for Intelligent IoT Healthcare System. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	9
58	Deep neural network based anomaly detection in Internet of Things network traffic tracking for the applications of future smart cities. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021 , 32, e4121	1.9	9
57	Secure Edge-Aided Computations for Social Internet-of-Things Systems. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 1-12	4.5	8
56	The Role of Internet of Things to Control the Outbreak of COVID-19 Pandemic. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
55	COVID_SCREENET: COVID-19 Screening in Chest Radiography Images Using Deep Transfer Stacking. <i>Information Systems Frontiers</i> , 2021 , 1-15	4	7
54	Machine learning and smart card based two-factor authentication scheme for preserving anonymity in telecare medical information system (TMIS). <i>Neural Computing and Applications</i> , 1	4.8	7
53	A novel proxy-oriented public auditing scheme for cloud-based medical cyber physical systems. <i>Journal of Information Security and Applications</i> , 2020 , 51, 102453	3.5	6
52	An Extensive Review and Possible Attack on the Privacy Preserving Ranked Multi-Keyword Search for Multiple Data Owners in Cloud Computing 2017 ,		6
51	Privacy-Protection Scheme Based on Sanitizable Signature for Smart Mobile Medical Scenarios. <i>Wireless Communications and Mobile Computing</i> , 2020 , 2020, 1-10	1.9	6
50	IoT-Enabled Light Intensity-Controlled Seamless Highway Lighting System. <i>IEEE Systems Journal</i> , 2021 , 15, 46-55	4.3	6
49	A Verifiable Privacy-preserving Machine Learning Prediction Scheme for Edge-enhanced HCPSs. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	6
48	Profile Matching for IoMT: A Verifiable Private Set Intersection Scheme. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3794-3803	7.2	6
47	Multi-Functional and Multi-Dimensional Secure Data Aggregation Schemes in WSNs. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	6

46	Mobile agent based secure internet business using access key hierarchy management scheme. <i>Journal of Information and Optimization Sciences</i> , 2017 , 38, 233-258	1.1	5
45	A technical survey on various VDC request embedding techniques in Virtual Data Center 2015 ,		5
44	Hierarchical Key Management Scheme for Securing Mobile Agents with Optimal Computation Time. <i>Procedia Engineering</i> , 2012 , 38, 1432-1443		5
43	An effective key distribution protocol for secure multicast communication 2010 ,		5
42	Anonymous Authentication for Secure Mobile Agent Based Internet Business. <i>Circuits and Systems</i> , 2016 , 07, 1421-1429	0.6	5
41	A Flexible and Privacy-Preserving Collaborative Filtering Scheme in Cloud Computing for VANETs. <i>ACM Transactions on Internet Technology</i> , 2022 , 22, 1-19	3.8	5
40	Optimized traffic flow prediction based on cluster formation and reinforcement learning. <i>International Journal of Communication Systems</i> , 2019 , e4178	1.7	5
39	Anonymous and expeditious mobile user authentication scheme for GLOMONET environments. <i>International Journal of Communication Systems</i> , 2018 , 31, e3461	1.7	5
38	Security preservation in industrial medical CPS using Chebyshev map: An AI approach. <i>Future Generation Computer Systems</i> , 2021 , 122, 52-62	7.5	5
37	Edge-assisted Intelligent Device Authentication in Cyber-Physical Systems. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	5
36	Forensic Detection for Image Operation Order: Resizing and Contrast Enhancement. <i>Lecture Notes in Computer Science</i> , 2017 , 570-580	0.9	4
35	Improved Harn Batch Digital Signature Algorithm for Multicast Authentication. <i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 2014 , 17, 435-442	1.7	4
34	A Secure Key Distribution Protocol for Multicast Communication. <i>Communications in Computer and Information Science</i> , 2011 , 249-257	0.3	4
33	MGPV: A novel and efficient scheme for secure data sharing among mobile users in the public cloud. <i>Future Generation Computer Systems</i> , 2019 , 95, 560-569	7.5	3
32	A PUF-based lightweight authentication and key agreement protocol for smart UAV networks. <i>IET Communications</i> ,	1.3	3
31	Attribute-Based Secure Data Aggregation for Isolated IoT-Enabled Maritime Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	3
30	Sustainable Computing Based Deep Learning Framework for Writing Research Manuscripts. <i>IEEE Transactions on Sustainable Computing</i> , 2019 , 4, 4-16	3.5	3
29	Intelligent e-learning system based on fuzzy logic. <i>Neural Computing and Applications</i> , 2020 , 32, 7661-7670	1.8	3

28	Medical decision support system using data mining 2021 , 93-119		3
27	Ultra-reliable secure data aggregation scheme with low latency for isolated terminals in 5G and beyond defined STINs. <i>Computer Standards and Interfaces</i> , 2021 , 77, 103512	3.5	3
26	Efficient Certificateless Conditional Privacy-Preserving Authentication for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	3
25	Transformer anomaly detection based on time-frequency domain software-hardware cooperative analysis. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , e3865	1.9	2
24	Deep Reinforcement Learning based pedestrian and independent vehicle safety fortification using intelligent perception. <i>International Journal of Software Science and Computational Intelligence</i> , 2022 , 14, 0-0	1.4	2
23	Secure deduplication for big data with efficient dynamic ownership updates. <i>Computers and Electrical Engineering</i> , 2021 , 96, 107531	4.3	2
22	Application of random matrix model in multiple abnormal sources detection and location based on PMU monitoring data in distribution network. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 6476-6483	2.5	2
21	Secure Online Examination System for e-learning 2019 ,		2
20	Dissection of the experimental outcome of split-protocol. <i>International Journal of Advanced Intelligence Paradigms</i> , 2018 , 10, 23	0.5	2
19	MUD-based Behavioral Profiling Security Framework for Software-defined IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
18	Security analysis on mutual authentication scheme for multimedia medical information systems \square <i>Security and Privacy</i> , 2019 , 2, e67	1.8	1
17	Multiscale deep network based multistep prediction of high-dimensional time series from power transmission systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , e3890	1.9	1
16	Secure Protocol for Subscriber Identity Module 2017 ,		1
15	A Secure Gesture Based Authentication Scheme to Unlock the Smartphones 2017 ,		1
14	Key Distribution for Pay-TV System with Reduced Computation Cost Using XOR Operation. <i>Lecture Notes in Computer Science</i> , 2012 , 478-485	0.9	1
13	Key Distribution Protocol for Secure Multicast with Reduced Communication Delay. <i>Lecture Notes in Computer Science</i> , 2011 , 312-323	0.9	1
12	Efficient Distributed Decryption Scheme for IoT Gateway-based Applications. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-23	3.8	1
11	Nth Order Binary Encoding with Split-Protocol. <i>International Journal of Rough Sets and Data Analysis</i> , 2018 , 5, 95-118	0.3	1

10	An Efficient Identity-based Aggregate Signcryption Scheme with Blockchain for IoT-enabled Maritime Transportation System. <i>IEEE Transactions on Green Communications and Networking</i> , 2022 , 1-1	4	1
9	TC-PSLAP: Temporal Credential-Based Provably Secure and Lightweight Authentication Protocol for IoT-Enabled Drone Environments. <i>Security and Communication Networks</i> , 2021 , 2021, 1-10	1.9	1
8	An Anonymous Pre-Authentication and Post-Authentication Scheme Assisted by Cloud for Medical IoT Environments. <i>IEEE Transactions on Network Science and Engineering</i> , 2022 , 1-1	4.9	1
7	An Efficient Vehicle-Assisted Aggregate Authentication Scheme for Infrastructure-Less Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	1
6	SEAT: Secure and Energy Efficient Anonymous Authentication with Trajectory Privacy-Preserving Scheme for Marine Traffic Management. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	0
5	Grouping Users for Quick Recommendations of Text Documents Based on Deep Neural Network. <i>Lecture Notes in Computer Science</i> , 2017 , 617-626	0.9	0
4	Efficient privacy-preserving anonymous authentication scheme for human predictive online education system. <i>Cluster Computing</i> , 1	2.1	0
3	AKN-FGD: Adaptive Kohonen Network based Fine-grained Detection of LDoS Attacks. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2021 , 1-1	3.9	
2	Service Chain Caching and Workload Scheduling in Mobile Edge Computing. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	
1	Error Detection and Correction for Secure Multicast Key Distribution Protocol. <i>Communications in Computer and Information Science</i> , 2011 , 308-319	0.3	