Fan Wu

List of Publications by Year
in descending order

68 papers	4,137 citations	125106 35 h-index	129628 63 g-index
68 all docs	68 docs citations	68 times ranked	2686 citing authors

#	Article	IF	Citations
1	Privacy‐preserving data aggregation scheme for edge computing supported vehicular ad hoc networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3952.	2.6	11
2	A Traceable and Anonymous Data Aggregation Scheme with Fog Computing Devices for Smart Grid. Security and Communication Networks, 2022, 2022, 1-10.	1.0	0
3	A Novel Three-Factor Authentication Protocol for Wireless Sensor Networks With IoT Notion. IEEE Systems Journal, 2021, 15, 1120-1129.	2.9	68
4	A new authentication and key agreement protocol for 5G wireless networks. Telecommunication Systems, 2021, 78, 317-329.	1.6	12
5	Design and analysis of authenticated key agreement scheme in cloud-assisted cyber–physical systems. Future Generation Computer Systems, 2020, 108, 1267-1286.	4.9	98
6	A Secure Three-Factor User Authentication Protocol With Forward Secrecy for Wireless Medical Sensor Network Systems. IEEE Systems Journal, 2020, 14, 39-50.	2.9	125
7	An anonymous and identity-trackable data transmission scheme for smart grid under smart city notion. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 307-317.	1.6	6
8	A privacy-preserving scheme with identity traceable property for smart grid. Computer Communications, 2020, 157, 38-44.	3.1	13
9	A Lightweight Privacy-Preserving Authentication Protocol for VANETs. IEEE Systems Journal, 2020, 14, 3547-3557.	2.9	93
10	Secure Remote User Mutual Authentication Scheme with Key Agreement for Cloud Environment. Mobile Networks and Applications, 2019, 24, 1046-1062.	2.2	33
11	An Anonymous and Efficient Multiserver Authenticated Key Agreement With Offline Registration Centre. IEEE Systems Journal, 2019, 13, 436-446.	2.9	10
12	A Novel Authentication Protocol with Strong Security for Roaming Service in Global Mobile Networks. Electronics (Switzerland), 2019, 8, 939.	1.8	2
13	A Lightweight Authentication Scheme for Multi-gateway Wireless Sensor Networks Under IoT Conception. Arabian Journal for Science and Engineering, 2019, 44, 3977-3993.	1.7	27
14	A Lightweight and Provably Secure Key Agreement System for a Smart Grid With Elliptic Curve Cryptography. IEEE Systems Journal, 2019, 13, 2830-2838.	2.9	65
15	Privacy Preserving Data Aggregation Scheme for Mobile Edge Computing Assisted IoT Applications. IEEE Internet of Things Journal, 2019, 6, 4755-4763.	5.5	139
16	A provably secure and anonymous message authentication scheme for smart grids. Journal of Parallel and Distributed Computing, 2019, 132, 242-249.	2.7	70
17	A New Chaotic Map-Based Authentication and Key Agreement Scheme with User Anonymity for Multi-server Environment. Lecture Notes in Electrical Engineering, 2018, , 335-344.	0.3	3
18	A novel mutual authentication scheme with formal proof for smart healthcare systems under global mobility networks notion. Computers and Electrical Engineering, 2018, 68, 107-118.	3.0	31

#	Article	IF	Citations
19	A Robust and Energy Efficient Authentication Protocol for Industrial Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1606-1615.	5.5	158
20	A Robust ECC-Based Provable Secure Authentication Protocol With Privacy Preserving for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 3599-3609.	7.2	285
21	An improved and provably secure three-factor user authentication scheme for wireless sensor networks. Peer-to-Peer Networking and Applications, 2018, 11, 1-20.	2.6	74
22	A lightweight and anonymous RFID tag authentication protocol with cloud assistance for e-healthcare applications. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 919-930.	3.3	56
23	A secure authentication scheme based on elliptic curve cryptography for IoT and cloud servers. Journal of Supercomputing, 2018, 74, 6428-6453.	2.4	162
24	A robust biometrics based three-factor authentication scheme for Global Mobility Networks in smart city. Future Generation Computer Systems, 2018, 83, 607-618.	4.9	102
25	An improved and secure chaotic map based authenticated key agreement in multi-server architecture. Multimedia Tools and Applications, 2018, 77, 1167-1204.	2.6	19
26	A provably secure biometrics-based authenticated key agreement scheme for multi-server environments. Multimedia Tools and Applications, 2018, 77, 2359-2389.	2.6	40
27	Design of a secure anonymity-preserving authentication scheme for session initiation protocol using elliptic curve cryptography. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 643-653.	3.3	38
28	A three-factor anonymous authentication scheme for wireless sensor networks in internet of things environments. Journal of Network and Computer Applications, 2018, 103, 194-204.	5.8	266
29	A secure mutual authenticated key agreement of user with multiple servers for critical systems. Multimedia Tools and Applications, 2018, 77, 11067-11099.	2.6	1
30	A secure chaotic map-based remote authentication scheme for telecare medicine information systems. Future Generation Computer Systems, 2018, 84, 149-159.	4.9	54
31	A lightweight and robust two-factor authentication scheme for personalized healthcare systems using wireless medical sensor networks. Future Generation Computer Systems, 2018, 82, 727-737.	4.9	187
32	An Enhanced and Provably Secure Chaotic Map-Based Authenticated Key Agreement in Multi-Server Architecture. Arabian Journal for Science and Engineering, 2018, 43, 811-828.	1.7	26
33	Authentication Protocol for Distributed Cloud Computing: An Explanation of the Security Situations for Internet-of-Things-Enabled Devices. IEEE Consumer Electronics Magazine, 2018, 7, 38-44.	2.3	31
34	A privacy-preserving and provable user authentication scheme for wireless sensor networks based on Internet of Things security. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 101-116.	3.3	119
35	An improved and anonymous two-factor authentication protocol for health-care applications with wireless medical sensor networks. Multimedia Systems, 2017, 23, 195-205.	3.0	107
36	An improved smart card based authentication scheme for session initiation protocol. Peer-to-Peer Networking and Applications, 2017, 10, 92-105.	2.6	68

#	Article	IF	Citations
37	A new and secure authentication scheme for wireless sensor networks with formal proof. Peer-to-Peer Networking and Applications, 2017, 10, 16-30.	2.6	78
38	An Improved and Secure Chaotic-Map Based Multi-server Authentication Protocol Based on Lu et al. and Tsai and Lo's Scheme. Wireless Personal Communications, 2017, 95, 3185-3208.	1.8	9
39	A lightweight and privacy-preserving mutual authentication scheme for wearable devices assisted by cloud server. Computers and Electrical Engineering, 2017, 63, 168-181.	3.0	55
40	An efficient authentication and key agreement scheme for multi-gateway wireless sensor networks in IoT deployment. Journal of Network and Computer Applications, 2017, 89, 72-85.	5.8	141
41	An Improved SIP Authentication Scheme Based on Server-Oriented Biometric Verification. Wireless Personal Communications, 2017, 97, 2145-2166.	1.8	8
42	An efficient authentication and key agreement scheme with user anonymity for roaming service in smart city. Personal and Ubiquitous Computing, 2017, 21, 791-805.	1.9	24
43	Design of a provably secure biometrics-based multi-cloud-server authentication scheme. Future Generation Computer Systems, 2017, 68, 320-330.	4.9	125
44	On the design of a secure user authentication and key agreement scheme for wireless sensor networks. Concurrency Computation Practice and Experience, 2017, 29, e3930.	1.4	32
45	A Dynamic ID-Based Generic Framework for Anonymous Authentication Scheme for Roaming Service in Global Mobility Networks. Wireless Personal Communications, 2017, 93, 383-407.	1.8	44
46	An enhanced mutual authentication and key agreement scheme for mobile user roaming service in global mobility networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 131-144.	1.6	25
47	Design of a user anonymous password authentication scheme without smart card. International Journal of Communication Systems, 2016, 29, 441-458.	1.6	25
48	Design of an efficient and provably secure anonymity preserving three-factor user authentication and key agreement scheme for TMIS. Security and Communication Networks, 2016, 9, 1983-2001.	1.0	74
49	Provably secure three-factor authentication and key agreement scheme for session initiation protocol. Security and Communication Networks, 2016, 9, 5412-5431.	1.0	15
50	A Novel Chaotic Maps-Based User Authentication and Key Agreement Protocol for Multi-server Environments with Provable Security. Wireless Personal Communications, 2016, 89, 569-597.	1.8	38
51	A user friendly mutual authentication and key agreement scheme for wireless sensor networks using chaotic maps. Future Generation Computer Systems, 2016, 63, 56-75.	4.9	140
52	Provably secure biometric-based user authentication and key agreement scheme in cloud computing. Security and Communication Networks, 2016, 9, 4103-4119.	1.0	39
53	Secure and Efficient Two-Factor User Authentication Scheme with User Anonymity for Network Based E-Health Care Applications. Journal of Medical Systems, 2016, 40, 268.	2.2	52
54	Provably secure user authentication and key agreement scheme for wireless sensor networks. Security and Communication Networks, 2016, 9, 3670-3687.	1.0	85

#	Article	IF	Citations
55	An enhanced and secure trust–extended authentication mechanism for vehicular ad–hoc networks. Security and Communication Networks, 2016, 9, 4255-4271.	1.0	43
56	A secure lightweight authentication scheme with user anonymity for roaming service in ubiquitous networks. Security and Communication Networks, 2016, 9, 4192-4209.	1.0	33
57	A novel and provably secure authentication and key agreement scheme with user anonymity for global mobility networks. Security and Communication Networks, 2016, 9, 3527-3542.	1.0	69
58	A novel three-factor authentication and key agreement scheme providing anonymity in global mobility networks. Security and Communication Networks, 2016, 9, 3428-3443.	1.0	7
59	Single round-trip SIP authentication scheme with provable security for Voice over Internet Protocol using smart card. Multimedia Tools and Applications, 2016, 75, 17215-17245.	2.6	4
60	An enhanced biometrics-based user authentication scheme for multi-server environments in critical systems. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 427-443.	3.3	20
61	A new authenticated key agreement scheme based on smart cards providing user anonymity with formal proof. Security and Communication Networks, 2015, 8, 3847-3863.	1.0	15
62	A New Dynamic ID-Based User Authentication Scheme Using Mobile Device: Cryptanalysis, the Principles and Design. Wireless Personal Communications, 2015, 85, 263-288.	1.8	4
63	Cryptanalysis and Improvement of a User Authentication Scheme Preserving Uniqueness and Anonymity for Connected Health Care. Journal of Medical Systems, 2015, 39, 10.	2.2	111
64	A novel and provably secure biometrics-based three-factor remote authentication scheme for mobile client–server networks. Computers and Electrical Engineering, 2015, 45, 274-285.	3.0	103
65	An improved and provable self–certified digital signature scheme with message recovery. International Journal of Communication Systems, 2015, 28, 344-357.	1.6	15
66	An improved and provable remote user authentication scheme based on elliptic curve cryptosystem with user anonymity. Security and Communication Networks, 2015, 8, 245-260.	1.0	35
67	Security analysis and Improvement of a Privacy Authentication Scheme for Telecare Medical Information Systems. Journal of Medical Systems, 2013, 37, 9958.	2.2	42
68	An enhanced three factor based authentication protocol using wireless medical sensor networks for healthcare monitoring. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	28