Tsu-Yang Wu

List of Publications by Year
in descending order

111	2,017	218592	276775
papers	citations	26 h-index	41 g-index

119	119	119	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attacks and solutions on a three-party password-based authenticated key exchange protocol for wireless communications. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3133-3142.	3.3	122
2	A provably secure certificateless public key encryption with keyword search. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2019, 42, 20-28.	0.6	119
3	On the security of a new ultra-lightweight authentication protocol in IoT environment for RFID tags. Journal of Supercomputing, 2018, 74, 65-70.	2.4	106
4	An Efficient User Authentication and User Anonymity Scheme with Provably Security for IoT-Based Medical Care System. Sensors, 2017, 17, 1482.	2.1	86
5	An Authenticated Key Exchange Protocol for Multi-Server Architecture in 5G Networks. IEEE Access, 2020, 8, 28096-28108.	2.6	81
6	An efficient user authentication and key exchange protocol for mobile clientâ€“server environment. Computer Networks, 2010, 54, 1520-1530.	3.2	75
7	A secure authentication scheme for Internet of Things. Pervasive and Mobile Computing, 2017, 42, 15-26.	2.1	72
8	A Pairing-Based User Authentication Scheme for Wireless Clients with Smart Cards. Informatica, 2008, 19, 285-302.	1.5	67
9	An Anonymous Mutual Authenticated Key Agreement Scheme for Wearable Sensors in Wireless Body Area Networks. Applied Sciences (Switzerland), 2018, 8, 1074.	1.3	59
10	Fast algorithms for hiding sensitive high-utility itemsets in privacy-preserving utility mining. Engineering Applications of Artificial Intelligence, 2016, 55, 269-284.	4.3	58
11	An ID-Based Mutual Authentication and Key Exchange Protocol for Low-Power Mobile Devices. Computer Journal, 2010, 53, 1062-1070.	1.5	49
12	Application of Quantum Genetic Optimization of LVQ Neural Network in Smart City Traffic Network Prediction. IEEE Access, 2020, 8, 104555-104564.	2.6	48
13	Security Analysis and Enhancement of a Certificateless Searchable Public Key Encryption Scheme for IIoT Environments. IEEE Access, 2019, 7, 49232-49239.	2.6	42
14	Efficient searchable ID-based encryption with a designated server. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 391-402.	1.6	41
15	A Grid-Based Swarm Intelligence Algorithm for Privacy-Preserving Data Mining. Applied Sciences (Switzerland), 2019, 9, 774.	1.3	39
16	Human motion recognition based on SVM in VR art media interaction environment. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	38
17	A revocable ID-based authenticated group key exchange protocol with resistant to malicious participants. Computer Networks, 2012, 56, 2994-3006.	3.2	37
18	An enhanced pairing-based authentication scheme for smart grid communications. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	37

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19	A provable authenticated group key agreement protocol for mobile environment. Information Sciences, 2015, 321, 224-237.	4.0	34
20	A pairing-based publicly verifiable secret sharing scheme. Journal of Systems Science and Complexity, 2011, 24, 186-194.	1.6	33
21	A Scalable Transitive Human-Verifiable Authentication Protocol for Mobile Devices. IEEE Transactions on Information Forensics and Security, 2013, 8, 1318-1330.	4.5	33
22	Improved Authenticated Key Agreement Scheme for Fog-Driven IoT Healthcare System. Security and Communication Networks, 2021, 2021, 1-16.	1.0	32
23	Improved ECC-Based Three-Factor Multiserver Authentication Scheme. Security and Communication Networks, 2021, 2021, 1-14.	1.0	32
24	An efficient algorithm for fuzzy frequent itemset mining. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5787-5797.	0.8	31
25	A Provable Secure Private Data Delegation Scheme for Mountaineering Events in Emergency System. IEEE Access, 2017, 5, 3410-3422.	2.6	29
26	Amassing the Security: An Enhanced Authentication Protocol for Drone Communications over 5G Networks. Drones, 2022, 6, 10.	2.7	29
27	Multilayer Dense Attention Model for Image Caption. IEEE Access, 2019, 7, 66358-66368.	2.6	28
28	Provably secure revocable IDâ€based signature in the standard model. Security and Communication Networks, 2013, 6, 1250-1260.	1.0	27
29	Provably secure authentication key exchange scheme using fog nodes in vehicular ad hoc networks. Journal of Supercomputing, 2021, 77, 6992-7020.	2.4	23
30	A Robust Mutual Authentication with a Key Agreement Scheme for Session Initiation Protocol. Applied Sciences (Switzerland), 2018, 8, 1789.	1.3	22
31	Publicly verifiable multiâ€secret sharing scheme from bilinear pairings. IET Information Security, 2013, 7, 239-246.	1.1	20
32	Comments on â€œAn improved secure and efficient password and chaos-based two-party key agreement protocolâ€• Nonlinear Dynamics, 2017, 87, 2073-2075.	2.7	20
33	SGXAP: SGX-Based Authentication Protocol in IoV-Enabled Fog Computing. Symmetry, 2022, 14, 1393.	1.1	19
34	A Fully Secure Revocable ID-Based Encryption in the Standard Model. Informatica, 2012, 23, 487-505.	1.5	18
35	Jacobson Radicals of Ore Extensions of Derivation Type. Communications in Algebra, 2007, 35, 975-982.	0.3	16
36	A DNA Computation-Based Image Encryption Scheme for Cloud CCTV Systems. IEEE Access, 2019, 7, 181434-181443.	2.6	16

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37	A Provably Secure Authentication and Key Exchange Protocol in Vehicular Ad Hoc Networks. Security and Communication Networks, 2021, 2021, 1-17.	1.0	16
38	RHIBE: Constructing Revocable Hierarchical ID-Based Encryption from HIBE. Informatica, 2014, 25, 299-326.	1.5	16
39	A Countermeasure to SQL Injection Attack for Cloud Environment. Wireless Personal Communications, 2017, 96, 5279-5293.	1.8	15
40	Cryptanalysis of a Pairing-Based Anonymous Key Agreement Scheme for Smart Grid. Smart Innovation, Systems and Technologies, 2020, , 125-131.	0.5	15
41	On the Security of a Certificateless Searchable Public Key Encryption Scheme. Advances in Intelligent Systems and Computing, 2017, , 113-119.	0.5	14
42	A Provably Secure Three-Factor Authentication Protocol for Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	0.8	14
43	A Provably Secure Group Key Agreement Scheme With Privacy Preservation for Online Social Networks Using Extended Chaotic Maps. IEEE Access, 2018, 6, 66742-66753.	2.6	13
44	Towards ID-Based Authenticated Group Key Exchange Protocol with Identifying Malicious Participants. Informatica, 2012, 23, 315-334.	1.5	12
45	A mutual authentication and key exchange scheme from bilinear pairings for low power computing devices. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	11
46	Reconsidering a lightweight anonymous authentication protocol. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2019, 42, 9-14.	0.6	11
47	An Efficient Solution for Hierarchical Access Control Problem in Cloud Environment. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	10
48	Video salient region detection model based on wavelet transform and feature comparison. Eurasip Journal on Image and Video Processing, 2019, 2019, .	1.7	10
49	Using Cache Optimization Method to Reduce Network Traffic in Communication Systems Based on Cloud Computing. IEEE Access, 2019, 7, 124397-124409.	2.6	10
50	Provably Secure Client-Server Key Management Scheme in 5G Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	0.8	10
51	Efficient certificateâ€based aggregate signature scheme for vehicular ad hoc networks. IET Networks, 2020, 9, 290-297.	1.1	10
52	Revocable ID-based Signature Scheme with Batch Verifications. , 2012, , .		9
53	Non-Repudiable Provable Data Possession Scheme With Designated Verifier in Cloud Storage Systems. IEEE Access, 2017, 5, 19333-19341.	2.6	9
54	A Three-Party Password Authenticated Key Exchange Protocol Resistant to Stolen Smart Card Attacks. Smart Innovation, Systems and Technologies, 2017, , 331-336.	0.5	9

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55	A provably secure lightweight authentication protocol in mobile edge computing environments. Journal of Supercomputing, 0, , 1.	2.4	9
56	Rotating behind Security: A Lightweight Authentication Protocol Based on IoT-Enabled Cloud Computing Environments. Sensors, 2022, 22, 3858.	2.1	9
57	Two-round contributory group key exchange protocol for wireless network environments. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	8
58	Fog-Driven Secure Authentication and Key Exchange Scheme for Wearable Health Monitoring System. Security and Communication Networks, 2021, 2021, 1-14.	1.0	8
59	Further analysis of pairing-based traitor tracing schemes for broadcast encryption. Security and Communication Networks, 2013, 6, 28-32.	1.0	7
60	Generic Construction of Dual-Server Public Key Encryption With Keyword Search on Cloud Computing. IEEE Access, 2020, 8, 152551-152564.	2.6	7
61	A Provably Secure Authentication and Key Agreement Protocol in Cloud-Based Smart Healthcare Environments. Security and Communication Networks, 2021, 2021, 1-15.	1.0	7
62	Comments on an ID-Based Authenticated Group Key Agreement Protocol with Withstanding Insider Attacks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 2638-2640.	0.2	6
63	A Provably Secure Revocable ID-Based Authenticated Group Key Exchange Protocol with Identifying Malicious Participants. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	6
64	A Complete Hierarchical Key Management Scheme for Heterogeneous Wireless Sensor Networks. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	6
65	A brief review of revocable ID-based public key cryptosystem. Perspectives in Science, 2016, 7, 81-86.	0.6	6
66	Cryptanalysis of â€œAn Efficient Searchable Encryption Against Keyword Guessing Attacks for Shareable Electronic Medical Records in Cloud-Based Systemâ€• Lecture Notes in Electrical Engineering, 2017, , 282-289.	0.3	6
67	An Efficient Time-Bound Hierarchical Key Management Scheme without Tamper-Resistant Devices. , 2012, , .		5
68	Towards Time-Bound Hierarchical Key Management in Cloud Computing. Advances in Intelligent Systems and Computing, 2014, , 31-38.	0.5	5
69	A Lightweight Authenticated Key Agreement Protocol Using Fog Nodes in Social Internet of Vehicles. Mobile Information Systems, 2021, 2021, 1-14.	0.4	5
70	Efficient Mining of Fuzzy Frequent Itemsets with Type-2 Membership Functions. Lecture Notes in Computer Science, 2016, , 191-200.	1.0	4
71	Efficient Revocable Multi-Receiver ID-Based Encryption. Information Technology and Control, 2013, 42, .	1.1	4
72	Towards Efficient ID-Based Signature Schemes with Batch Verifications from Bilinear Pairings. , 2009, , .		3

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73	Context recognition for adaptive hearing-aids. , 2015, , .		3
74	A Sanitization Approach of Privacy Preserving Utility Mining. Advances in Intelligent Systems and Computing, 2016, , 47-57.	0.5	3
75	Comments on a privacy preserving public auditing mechanism for shared cloud data. , 2017, , .		3
76	Hierarchical Semantic Approximate Multi-keyword Ranked Search over Encrypted Data. Smart Innovation, Systems and Technologies, 2019, , 131-138.	0.5	3
77	Updating the Discovered High Average-Utility Patterns with Transaction Insertion. Advances in Intelligent Systems and Computing, 2018, , 66-73.	0.5	3
78	A Collusion Attack on Identity-Based Public Auditing Scheme via Blockchain. Smart Innovation, Systems and Technologies, 2020, , 97-105.	0.5	3
79	Maintenance algorithm for updating the discovered multiple fuzzy frequent itemsets for transaction deletion. , 2014, , .		2
80	A Secure Condition-Based Location Authentication Protocol for Mobile Devices. , 2016, , .		2
81	Security Analysis of a Public Key Authenticated Encryption with Keyword Search Scheme. Smart Innovation, Systems and Technologies, 2019, , 178-183.	0.5	2
82	Comments on Yu et alâ€™s Shared Data Integrity Verification Protocol. Advances in Intelligent Systems and Computing, 2018, , 73-78.	0.5	2
83	Cryptanalysis of an Anonymous Mutual Authentication Scheme for Secure Inter-device Communication in Mobile Networks. Smart Innovation, Systems and Technologies, 2018, , 206-213.	0.5	2
84	Transfer learning model for false positive reduction in lymph node detection via sparse coding and deep learning. Journal of Intelligent and Fuzzy Systems, 2022, 43, 2121-2133.	0.8	2
85	Towards Time-Bound Hierarchical Key Assignment for Secure Data Access Control. Communications in Computer and Information Science, 2014, , 437-444.	0.4	1
86	Security Analysis of a Time-Bound Hierarchical Key Assignment Scheme. , 2015, , .		1
87	Towards SQL Injection Attacks Detection Mechanism Using Parse Tree. Advances in Intelligent Systems and Computing, 2015, , 371-380.	0.5	1
88	A new tool for quality of multimedia estimation based on network behaviour. Perspectives in Science, 2016, 7, 87-94.	0.6	1
89	Comments on Islam Et Al.â€™s Certificateless Designated Server Based Public Key Encryption with Keyword Search Scheme. Advances in Intelligent Systems and Computing, 2018, , 199-205.	0.5	1
90	Attacks and Solutions on the Quan et al.â€™s Smart Card Based Remote User Authentication with a Key Agreement Scheme. Journal of Physics: Conference Series, 2018, 1069, 012069.	0.3	1

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91	Construct Left Ventricular Hypertrophy Prediction Model Based on Random Forest. Smart Innovation, Systems and Technologies, 2019, , 142-150.	0.5	1
92	Security Analysis and Improvement of Femtocell Access Control. Lecture Notes in Computer Science, 2014, , 223-232.	1.0	1
93	Another Improvement of RAPP: An Ultra-lightweight Authentication Protocol for RFID. Advances in Intelligent Systems and Computing, 2014, , 145-153.	0.5	1
94	Mining of Multiple Fuzzy Frequent Itemsets with Transaction Insertion. Advances in Intelligent Systems and Computing, 2018, , 137-144.	0.5	1
95	Efficient Anonymous Password-Authenticated Key Exchange Scheme Using Smart Cards. Advances in Intelligent Systems and Computing, 2018, , 79-87.	0.5	1
96	A Simple Image Encryption Algorithm Based on Logistic Map. Advances in Intelligent Systems and Computing, 2019, , 241-247.	0.5	1
97	A deep dynamic neural network model and its application for ECG classification. Journal of Intelligent and Fuzzy Systems, 2022, 43, 2147-2154.	0.8	1
98	On the Security of a Mutual Authentication and Key Agreement Protocol Based on Chaotic Maps. , 2015, , .		0
99	Attacks and Solutions of a Mutual Authentication with Anonymity for Roaming Service with Smart Cards in Wireless Communications. Advances in Intelligent Systems and Computing, 2018, , 191-198.	0.5	0
100	Security Analysis of Wu et al.'s Authentication Protocol for Distributed Cloud Computing. , 2019, , .		0
101	Cryptanalysis of a Pairing-based Authentication Scheme for Smart Grid Communications. Smart Innovation, Systems and Technologies, 2021, , 75-84.	0.5	0
102	A Novel Convinced Diffie-Hellman Computation Scheme and Its Cryptographic Application. Lecture Notes in Computer Science, 2010, , 225-235.	1.0	0
103	An Efficient Solution for Time-Bound Hierarchical Key Assignment Scheme. Advances in Intelligent Systems and Computing, 2016, , 3-9.	0.5	0
104	Efficient Mining of High Average-Utility Itemsets with Multiple Thresholds. Smart Innovation, Systems and Technologies, 2018, , 198-205.	0.5	0
105	On the Security of a Three Factor Remote User Authentication Scheme Using Fuzzy Extractor. Smart Innovation, Systems and Technologies, 2019, , 171-177.	0.5	0
106	Cryptanalysis and Improvement of a Remote Three-Factor Authentication Protocol for the Multi-server Environment. Smart Innovation, Systems and Technologies, 2019, , 19-24.	0.5	0
107	A Public Auditing Scheme with Data Recovery. Advances in Intelligent Systems and Computing, 2019, , 595-602.	0.5	0
108	Cryptanalysis of an Anonymous Message Authentication Scheme for Smart Grid. Advances in Intelligent Systems and Computing, 2020, , 455-461.	0.5	0

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109	A Lightweight Anonymous Mutual Authentication Scheme in Mobile Networks. Advances in Intelligent Systems and Computing, 2020, , 468-473.	0.5	0
110	Cryptanalysis of an Anonymous Mutual Authentication Scheme in Mobile Networks. Advances in Intelligent Systems and Computing, 2020, , 462-467.	0.5	0
111	Comments on â€œA Robust User Authentication Protocol with Privacy-Preserving for Roaming Service in Mobility Environmentsâ€• Smart Innovation, Systems and Technologies, 2022, , 361-367.	0.5	0