

Tzer-Shyong Chen

List of Publications by Year in descending order

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85
papers

896
citations

567144

15
h-index

552653

26
g-index

89
all docs

89
docs citations

89
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure Dynamic Access Control Scheme of PHR in Cloud Computing. Journal of Medical Systems, 2012, 36, 4005-4020.	2.2	74
2	A Novel Key Management Scheme Based on Discrete Logarithms and Polynomial Interpolations. Computers and Security, 2002, 21, 164-171.	4.0	72
3	Access control in user hierarchy based on elliptic curve cryptosystem. Information Sciences, 2008, 178, 230-243.	4.0	46
4	ID-based digital signature scheme on the elliptic curve cryptosystem. Computer Standards and Interfaces, 2007, 29, 601-604.	3.8	44
5	A Password-Based User Authentication Scheme for the Integrated EPR Information System. Journal of Medical Systems, 2012, 36, 631-638.	2.2	38
6	The Enhancement of Security in Healthcare Information Systems. Journal of Medical Systems, 2012, 36, 1673-1688.	2.2	33
7	Confidentiality Protection of Digital Health Records in Cloud Computing. Journal of Medical Systems, 2016, 40, 124.	2.2	33
8	A novel key management scheme for dynamic access control in a user hierarchy. Applied Mathematics and Computation, 2005, 162, 339-351.	1.4	28
9	Efficient migration for mobile computing in distributed networks. Computer Standards and Interfaces, 2009, 31, 40-47.	3.8	27
10	Hierarchical access control based on Chinese Remainder Theorem and symmetric algorithm. Computers and Security, 2002, 21, 565-570.	4.0	26
11	A Mobile Phone-Based Approach for Hearing Screening of School-Age Children: Cross-Sectional Validation Study. JMIR MHealth and UHealth, 2019, 7, e12033.	1.8	26
12	A conference key agreement protocol with fault-tolerant capability. Computer Standards and Interfaces, 2009, 31, 401-405.	3.8	25
13	An Authentication Scheme to Healthcare Security under Wireless Sensor Networks. Journal of Medical Systems, 2012, 36, 3649-3664.	2.2	21
14	Bidder-anonymous English auction scheme with privacy and public verifiability. Journal of Systems and Software, 2008, 81, 113-119.	3.3	19
15	A novel application of grey system theory to information security (Part I). Computer Standards and Interfaces, 2009, 31, 277-281.	3.8	18
16	An agent-based English auction protocol using Elliptic Curve Cryptosystem for mobile commerce. Expert Systems With Applications, 2011, 38, 9900-9907.	4.4	17
17	The Application of RFID to Healthcare Management of Nursing House. Wireless Personal Communications, 2016, 91, 1237-1257.	1.8	16
18	A proxy-protected proxy signature scheme based on elliptic curve cryptosystem. , 0, , .		14

#	ARTICLE	IF	CITATIONS
19	A Mobile Agent Approach for Secure Integrated Medical Information Systems. Journal of Medical Systems, 2012, 36, 2731-2741.	2.2	14
20	Efficient proxy multisignature schemes based on the elliptic curve cryptosystem. Computers and Security, 2003, 22, 527-534.	4.0	13
21	Ring signature scheme for ECC-based anonymous signcryption. Computer Standards and Interfaces, 2009, 31, 669-674.	3.8	13
22	Efficient migration access control for mobile agents. Computer Standards and Interfaces, 2009, 31, 1061-1068.	3.8	13
23	Digital multi-signature scheme based on the Elliptic Curve cryptosystem. Journal of Computer Science and Technology, 2004, 19, 570-573.	0.9	12
24	An English auction scheme in the online transaction environment. Computers and Security, 2004, 23, 389-399.	4.0	11
25	Smart Fall Prediction for Elderly Care Using iPhone and Apple Watch. Wireless Personal Communications, 2020, 114, 347-365.	1.8	11
26	A traceable proxy multisignature scheme based on the elliptic curve cryptosystem. Applied Mathematics and Computation, 2004, 159, 137-145.	1.4	10
27	An efficient threshold group signature scheme. Applied Mathematics and Computation, 2005, 167, 362-371.	1.4	10
28	A novel cryptosystem based on grey system theory and genetic algorithm. Applied Mathematics and Computation, 2005, 170, 1290-1302.	1.4	9
29	A Secure Integrated Medical Information System. Journal of Medical Systems, 2012, 36, 3103-3113.	2.2	9
30	Mobile Agent Application and Integration in Electronic Anamnesis System. Journal of Medical Systems, 2012, 36, 1009-1020.	2.2	9
31	Secure PHR Access Control Scheme for Healthcare Application Clouds. , 2013, , .		9
32	A practical authenticated encryption scheme based on the elliptic curve cryptosystem. Computer Standards and Interfaces, 2004, 26, 461-469.	3.8	8
33	Unconditionally secure cryptosystems based on quantum cryptography. Information Sciences, 2008, 178, 2044-2058.	4.0	8
34	Efficient Hierarchical Key Management Scheme for Access Control in the Mobile Agent. , 2008, , .		8
35	Quality Control of Lead-Acid Battery according to Its Condition Test for UPS Supplier and Manufacturers. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	8
36	A Stock Market Prediction System Based on High-Level Fuzzy Petri Nets. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 771-808.	0.9	8

#	ARTICLE	IF	CITATIONS
37	Machine learning approaches for the genomic prediction of rheumatoid arthritis and systemic lupus erythematosus. <i>BioData Mining</i> , 2021, 14, 52.	2.2	8
38	Implementation of Online Veterinary Hospital on Cloud Platform. <i>Journal of Medical Systems</i> , 2016, 40, 147.	2.2	7
39	An Implementation of Interactive Healthy Eating Index and Healthcare System on Mobile Platform in College Student Samples. <i>IEEE Access</i> , 2018, 6, 71651-71661.	2.6	7
40	Applying time-constraint access control of personal health record in cloud computing. <i>Enterprise Information Systems</i> , 2020, 14, 266-281.	3.3	7
41	An ECC-Based Blind Signature Scheme. <i>Journal of Networks</i> , 2010, 5, .	0.4	7
42	A specifiable verifier group-oriented threshold signature scheme based on the elliptic curve cryptosystem. <i>Computer Standards and Interfaces</i> , 2004, 27, 33-38.	3.8	6
43	Threshold authenticated encryption scheme using labor-division signature. <i>Computer Standards and Interfaces</i> , 2009, 31, 300-304.	3.8	6
44	Web-Based Dashboard for the Interactive Visualization and Analysis of National Risk-Standardized Mortality Rates of Sepsis in the US. <i>Journal of Medical Systems</i> , 2020, 44, 54.	2.2	6
45	Who Donates on Line? Segmentation Analysis and Marketing Strategies Based on Machine Learning for Online Charitable Donations in Taiwan. <i>IEEE Access</i> , 2021, 9, 52728-52740.	2.6	6
46	Lagrange interpolation-driven access control mechanism: Towards secure and privacy-preserving fusion of personal health records. <i>Knowledge-Based Systems</i> , 2022, 236, 107679.	4.0	6
47	An efficient threshold group signature scheme. , 0, , .		5
48	Hacking Tricks Toward Security on Network Environments. , 2006, , .		5
49	Design of secure access control scheme for personal health record-based cloud healthcare service. <i>Security and Communication Networks</i> , 2015, 8, 1332-1346.	1.0	5
50	Elliptic Curve Cryptosystems-based Date-constrained Hierarchical Key Management Scheme in Internet of Things. <i>Sensors and Materials</i> , 2019, 31, 355.	0.3	5
51	A threshold signature scheme based on the elliptic curve cryptosystem. <i>Applied Mathematics and Computation</i> , 2005, 162, 1119-1134.	1.4	4
52	An efficient threshold RSA digital signature scheme. <i>Applied Mathematics and Computation</i> , 2005, 166, 25-34.	1.4	4
53	A Reliable Dynamic User-Remote Password Authentication Scheme over Insecure Network. , 2012, , .		4
54	A hierarchical access control scheme based on Lagrange interpolation for mobile agents. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771879089.	1.3	4

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55	A Blind Signature Scheme Based on Elliptic Curve Cryptosystem. , 2009, , .		3
56	A Novel ID-Based Threshold Ring Signature Scheme Competent for Anonymity and Anti-forgery. Lecture Notes in Computer Science, 2007, , 502-512.	1.0	3
57	Digital signature scheme resulted from identification protocol by elliptic curve cryptosystem. , 0, , .		2
58	Modified cryptographic key assignment scheme for overcoming the incorrectness of the CHW scheme. Applied Mathematics and Computation, 2004, 159, 147-155.	1.4	2
59	Modified cryptographic key assignment scheme for overcoming the incorrectness of the CHW scheme. , 2004, , .		2
60	An efficient undeniable group-oriented signature scheme. Applied Mathematics and Computation, 2005, 165, 95-102.	1.4	2
61	Threshold Signature Scheme Resistible for Conspiracy Attack. , 2006, , .		2
62	Secure Authentication Scheme for Supporting Healthcare in Wireless Sensor Networks. , 2012, , .		2
63	Patrol management system applying RFID to petrochemical industry. , 2013, , .		2
64	An Implementation of Efficient Hierarchical Access Control Method for VR/AR Platform. , 2018, , .		2
65	Anonymous signcryption in ring signature scheme over elliptic curve cryptosystem. , 0, , .		2
66	Convexity control and approximation properties of interpolating curves. Korean Journal of Computational and Applied Mathematics, 2000, 7, 397-405.	0.2	1
67	A Novel ID-based Threshold Ring Signature Scheme competent for Anonymity and Anti-forgery. , 2006, , .		1
68	The study of secure agent-based scheme on health information systems. , 2010, , .		1
69	Secure authorization for controlling access via key management scheme. , 2013, , .		1
70	Bed Site Health Care Video-Phone System. Applied Mechanics and Materials, 0, 284-287, 1636-1641.	0.2	1
71	An Agent-Based Auction Protocol on Mobile Devices. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.4	1
72	An Agent-Based English Auction Protocol Using Elliptic Curve Cryptosystem for Mobile Commerce. Lecture Notes in Computer Science, 2009, , 214-225.	1.0	1

#	ARTICLE	IF	CITATIONS
73	The Implementation of IoT-based Smart Laboratory Management System. , 2020, , .		1
74	A Study on the Mechanism of Blockchain Cryptocurrency Implementation. , 2020, , .		1
75	An improvement of cryptographic key assignment scheme in a user hierarchy. , 0, , .		0
76	Hierarchical Time-Bound Key Management for Mobile Agents. Lecture Notes in Computer Science, 2009, , 242-253.	1.0	0
77	Access Control and Key Management Scheme Based on Bilinear Pairings over Elliptic Curves for Mobile Agent. , 2009, , .		0
78	A Hierarchical Access Control Scheme Based on Lagrange Interpolation and ElGamal Algorithm with Numerical Experiments. Applied Mechanics and Materials, 2013, 385-386, 1705-1707.	0.2	0
79	Access Scheme for Controlling Mobile Agents and its Application to Share Medical Information. Journal of Medical Systems, 2016, 40, 119.	2.2	0
80	Application of Time-Limit Key Management Mechanism on Electronic Medical Record System. , 2017, , .		0
81	Based on lagrange interpolation for smart sensors. , 2018, , .		0
82	On the security of threshold random grid-based visual secret sharing. Multimedia Tools and Applications, 2019, 78, 10157-10180.	2.6	0
83	An Efficient Threshold Signature Scheme Resistible to Conspiracy Attack. Applied Mathematics and Information Sciences, 2014, 8, 3027-3032.	0.7	0
84	Apply Lagrange Interpolation Based Access Control Mechanism in Personal Health Record Medical System. Lecture Notes in Networks and Systems, 2020, , 327-337.	0.5	0
85	Novel Lagrange interpolation polynomials for dynamic access control in a healthcare cloud system. Mathematical Biosciences and Engineering, 2022, 19, 9200-9219.	1.0	0