

Tzer-Shyong Chen

List of Publications by Year in descending order

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85
papers

896
citations

567144

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89
all docs

89
docs citations

89
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Lagrange interpolation-driven access control mechanism: Towards secure and privacy-preserving fusion of personal health records. Knowledge-Based Systems, 2022, 236, 107679.	4.0	6
2	Novel Lagrange interpolation polynomials for dynamic access control in a healthcare cloud system. Mathematical Biosciences and Engineering, 2022, 19, 9200-9219.	1.0	0
3	Who Donates on Line? Segmentation Analysis and Marketing Strategies Based on Machine Learning for Online Charitable Donations in Taiwan. IEEE Access, 2021, 9, 52728-52740.	2.6	6
4	Machine learning approaches for the genomic prediction of rheumatoid arthritis and systemic lupus erythematosus. BioData Mining, 2021, 14, 52.	2.2	8
5	Applying time-constraint access control of personal health record in cloud computing. Enterprise Information Systems, 2020, 14, 266-281.	3.3	7
6	Smart Fall Prediction for Elderly Care Using iPhone and Apple Watch. Wireless Personal Communications, 2020, 114, 347-365.	1.8	11
7	Web-Based Dashboard for the Interactive Visualization and Analysis of National Risk-Standardized Mortality Rates of Sepsis in the US. Journal of Medical Systems, 2020, 44, 54.	2.2	6
8	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
9	The Implementation of IoT-based Smart Laboratory Management System. , 2020, , .		1
10	A Study on the Mechanism of Blockchain Cryptocurrency Implementation. , 2020, , .		1
11	On the security of threshold random grid-based visual secret sharing. Multimedia Tools and Applications, 2019, 78, 10157-10180.	2.6	0
12	Elliptic Curve Cryptosystems-based Date-constrained Hierarchical Key Management Scheme in Internet of Things. Sensors and Materials, 2019, 31, 355.	0.3	5
13	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
14	An Implementation of Interactive Healthy Eating Index and Healthcare System on Mobile Platform in College Student Samples. IEEE Access, 2018, 6, 71651-71661.	2.6	7
15	A hierarchical access control scheme based on Lagrange interpolation for mobile agents. International Journal of Distributed Sensor Networks, 2018, 14, 155014771879089.	1.3	4
16	An Implementation of Efficient Hierarchical Access Control Method for VR/AR Platform. , 2018, , .		2
17	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
18	Based on lagrange interpolation for smart sensors. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Application of Time-Limit Key Management Mechanism on Electronic Medical Record System. , 2017, , .		0
20	Confidentiality Protection of Digital Health Records in Cloud Computing. Journal of Medical Systems, 2016, 40, 124.	2.2	33
21	Implementation of Online Veterinary Hospital on Cloud Platform. Journal of Medical Systems, 2016, 40, 147.	2.2	7
22	The Application of RFID to Healthcare Management of Nursing House. Wireless Personal Communications, 2016, 91, 1237-1257.	1.8	16
23	Access Scheme for Controlling Mobile Agents and its Application to Share Medical Information. Journal of Medical Systems, 2016, 40, 119.	2.2	0
24	Design of secure access control scheme for personal health record-based cloud healthcare service. Security and Communication Networks, 2015, 8, 1332-1346.	1.0	5
25	An Agent-Based Auction Protocol on Mobile Devices. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.4	1
26	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
27	An Efficient Threshold Signature Scheme Resistible to Conspiracy Attack. Applied Mathematics and Information Sciences, 2014, 8, 3027-3032.	0.7	0
28	Secure PHR Access Control Scheme for Healthcare Application Clouds. , 2013, , .		9
29	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
30	Patrol management system applying RFID to petrochemical industry. , 2013, , .		2
31	Secure authorization for controlling access via key management scheme. , 2013, , .		1
32	Secure Dynamic Access Control Scheme of PHR in Cloud Computing. Journal of Medical Systems, 2012, 36, 4005-4020.	2.2	74
33	A Mobile Agent Approach for Secure Integrated Medical Information Systems. Journal of Medical Systems, 2012, 36, 2731-2741.	2.2	14
34	A Secure Integrated Medical Information System. Journal of Medical Systems, 2012, 36, 3103-3113.	2.2	9
35	An Authentication Scheme to Healthcare Security under Wireless Sensor Networks. Journal of Medical Systems, 2012, 36, 3649-3664.	2.2	21
36	A Reliable Dynamic User-Remote Password Authentication Scheme over Insecure Network. , 2012, , .		4

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37	Secure Authentication Scheme for Supporting Healthcare in Wireless Sensor Networks. , 2012, , .		2
38	A Password-Based User Authentication Scheme for the Integrated EPR Information System. Journal of Medical Systems, 2012, 36, 631-638.	2.2	38
39	Mobile Agent Application and Integration in Electronic Anamnesis System. Journal of Medical Systems, 2012, 36, 1009-1020.	2.2	9
40	The Enhancement of Security in Healthcare Information Systems. Journal of Medical Systems, 2012, 36, 1673-1688.	2.2	33
41	An agent-based English auction protocol using Elliptic Curve Cryptosystem for mobile commerce. Expert Systems With Applications, 2011, 38, 9900-9907.	4.4	17
42	The study of secure agent-based scheme on health information systems. , 2010, , .		1
43	An ECC-Based Blind Signature Scheme. Journal of Networks, 2010, 5, .	0.4	7
44	A Blind Signature Scheme Based on Elliptic Curve Cryptosystem. , 2009, , .		3
45	Efficient migration for mobile computing in distributed networks. Computer Standards and Interfaces, 2009, 31, 40-47.	3.8	27
46	A novel application of grey system theory to information security (Part I). Computer Standards and Interfaces, 2009, 31, 277-281.	3.8	18
47	Threshold authenticated encryption scheme using labor-division signature. Computer Standards and Interfaces, 2009, 31, 300-304.	3.8	6
48	A conference key agreement protocol with fault-tolerant capability. Computer Standards and Interfaces, 2009, 31, 401-405.	3.8	25
49	Ring signature scheme for ECC-based anonymous signcryption. Computer Standards and Interfaces, 2009, 31, 669-674.	3.8	13
50	Efficient migration access control for mobile agents. Computer Standards and Interfaces, 2009, 31, 1061-1068.	3.8	13
51	Hierarchical Time-Bound Key Management for Mobile Agents. Lecture Notes in Computer Science, 2009, , 242-253.	1.0	0
52	Access Control and Key Management Scheme Based on Bilinear Pairings over Elliptic Curves for Mobile Agent. , 2009, , .		0
53	An Agent-Based English Auction Protocol Using Elliptic Curve Cryptosystem for Mobile Commerce. Lecture Notes in Computer Science, 2009, , 214-225.	1.0	1
54	Bidder-anonymous English auction scheme with privacy and public verifiability. Journal of Systems and Software, 2008, 81, 113-119.	3.3	19

#	ARTICLE	IF	CITATIONS
55	Access control in user hierarchy based on elliptic curve cryptosystem. Information Sciences, 2008, 178, 230-243.	4.0	46
56	Unconditionally secure cryptosystems based on quantum cryptography. Information Sciences, 2008, 178, 2044-2058.	4.0	8
57	Efficient Hierarchical Key Management Scheme for Access Control in the Mobile Agent. , 2008, , .		8
58	ID-based digital signature scheme on the elliptic curve cryptosystem. Computer Standards and Interfaces, 2007, 29, 601-604.	3.8	44
59	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
60	Hacking Tricks Toward Security on Network Environments. , 2006, , .		5
61	Threshold Signature Scheme Resistible for Conspiracy Attack. , 2006, , .		2
62	A Novel ID-based Threshold Ring Signature Scheme competent for Anonymity and Anti-forgery. , 2006, , .		1
63	A novel key management scheme for dynamic access control in a user hierarchy. Applied Mathematics and Computation, 2005, 162, 339-351.	1.4	28
64	A threshold signature scheme based on the elliptic curve cryptosystem. Applied Mathematics and Computation, 2005, 162, 1119-1134.	1.4	4
65	An efficient undeniable group-oriented signature scheme. Applied Mathematics and Computation, 2005, 165, 95-102.	1.4	2
66	An efficient threshold RSA digital signature scheme. Applied Mathematics and Computation, 2005, 166, 25-34.	1.4	4
67	An efficient threshold group signature scheme. Applied Mathematics and Computation, 2005, 167, 362-371.	1.4	10
68	A novel cryptosystem based on grey system theory and genetic algorithm. Applied Mathematics and Computation, 2005, 170, 1290-1302.	1.4	9
69	A practical authenticated encryption scheme based on the elliptic curve cryptosystem. Computer Standards and Interfaces, 2004, 26, 461-469.	3.8	8
70	A specifiable verifier group-oriented threshold signature scheme based on the elliptic curve cryptosystem. Computer Standards and Interfaces, 2004, 27, 33-38.	3.8	6
71	Digital multi-signature scheme based on the Elliptic Curve cryptosystem. Journal of Computer Science and Technology, 2004, 19, 570-573.	0.9	12
72	Modified cryptographic key assignment scheme for overcoming the incorrectness of the CHW scheme. Applied Mathematics and Computation, 2004, 159, 147-155.	1.4	2

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73	A traceable proxy multisignature scheme based on the elliptic curve cryptosystem. Applied Mathematics and Computation, 2004, 159, 137-145.	1.4	10
74	An English auction scheme in the online transaction environment. Computers and Security, 2004, 23, 389-399.	4.0	11
75	Modified cryptographic key assignment scheme for overcoming the incorrectness of the CHW scheme. , 2004, , .		2
76	Efficient proxy multisignature schemes based on the elliptic curve cryptosystem. Computers and Security, 2003, 22, 527-534.	4.0	13
77	A Novel Key Management Scheme Based on Discrete Logarithms and Polynomial Interpolations. Computers and Security, 2002, 21, 164-171.	4.0	72
78	Hierarchical access control based on Chinese Remainder Theorem and symmetric algorithm. Computers and Security, 2002, 21, 565-570.	4.0	26
79	Convexity control and approximation properties of interpolating curves. Korean Journal of Computational and Applied Mathematics, 2000, 7, 397-405.	0.2	1
80	An improvement of cryptographic key assignment scheme in a user hierarchy. , 0, , .		0
81	Digital signature scheme resulted from identification protocol by elliptic curve cryptosystem. , 0, , .		2
82	A proxy-protected proxy signature scheme based on elliptic curve cryptosystem. , 0, , .		14
83	An efficient threshold group signature scheme. , 0, , .		5
84	Bed Site Health Care Video-Phone System. Applied Mechanics and Materials, 0, 284-287, 1636-1641.	0.2	1
85	Anonymous signcryption in ring signature scheme over elliptic curve cryptosystem. , 0, , .		2