

Xiaofeng Chen

List of Publications by Year in descending order

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137
papers

6,080
citations

76326

40
h-index

74163

75
g-index

138
all docs

138
docs citations

138
times ranked

3900
citing authors

#	ARTICLE	IF	CITATIONS
1	Secure Deduplication with Efficient and Reliable Convergent Key Management. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1615-1625.	5.6	409
2	A Hybrid Cloud Approach for Secure Authorized Deduplication. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1206-1216.	5.6	312
3	An Efficient Public Auditing Protocol With Novel Dynamic Structure for Cloud Data. IEEE Transactions on Information Forensics and Security, 2017, 12, 2402-2415.	6.9	302
4	Certificateless Remote Anonymous Authentication Schemes for WirelessBody Area Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 332-342.	5.6	253
5	New Algorithms for Secure Outsourcing of Modular Exponentiations. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2386-2396.	5.6	241
6	Verifiable Computation over Large Database with Incremental Updates. IEEE Transactions on Computers, 2016, 65, 3184-3195.	3.4	224
7	New Publicly Verifiable Databases with Efficient Updates. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 546-556.	5.4	210
8	Multiobjective Cloud Workflow Scheduling: A Multiple Populations Ant Colony System Approach. IEEE Transactions on Cybernetics, 2019, 49, 2912-2926.	9.5	202
9	Anonymous and Traceable Group Data Sharing in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2018, 13, 912-925.	6.9	196
10	New Algorithms for Secure Outsourcing of Large-Scale Systems of Linear Equations. IEEE Transactions on Information Forensics and Security, 2015, 10, 69-78.	6.9	192
11	Multistability Analysis of Quaternion-Valued Neural Networks With Time Delays. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5430-5440.	11.3	146
12	Robust stability analysis of quaternion-valued neural networks with time delays and parameter uncertainties. Neural Networks, 2017, 91, 55-65.	5.9	137
13	Secure Distributed Deduplication Systems with Improved Reliability. IEEE Transactions on Computers, 2015, 64, 3569-3579.	3.4	136
14	Verifiable Auditing for Outsourced Database in Cloud Computing. IEEE Transactions on Computers, 2015, 64, 3293-3303.	3.4	123
15	Privacy-Preserving Collaborative Deep Learning With Unreliable Participants. IEEE Transactions on Information Forensics and Security, 2020, 15, 1486-1500.	6.9	113
16	Efficient Fair Conditional Payments for Outsourcing Computations. IEEE Transactions on Information Forensics and Security, 2012, 7, 1687-1694.	6.9	112
17	Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3343-3357.	9.5	97
18	Secure Outsourced Attribute-Based Signatures. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3285-3294.	5.6	95

#	ARTICLE	IF	CITATIONS
19	Stability Analysis of Continuous-Time and Discrete-Time Quaternion-Valued Neural Networks With Linear Threshold Neurons. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-13.	11.3	94
20	Bitcoin-based fair payments for outsourcing computations of fog devices. Future Generation Computer Systems, 2018, 78, 850-858.	7.5	81
21	Outsourcing Encryption of Attribute-Based Encryption with MapReduce. Lecture Notes in Computer Science, 2012, , 191-201.	1.3	79
22	Design and Analysis of Quaternion-Valued Neural Networks for Associative Memories. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2305-2314.	9.3	78
23	Blockchain-based public auditing and secure deduplication with fair arbitration. Information Sciences, 2020, 541, 409-425.	6.9	78
24	DeepPAR and DeepDPA: Privacy Preserving and Asynchronous Deep Learning for Industrial IoT. IEEE Transactions on Industrial Informatics, 2020, 16, 2081-2090.	11.3	77
25	Secure and Efficient Cloud Data Deduplication With Randomized Tag. IEEE Transactions on Information Forensics and Security, 2017, 12, 532-543.	6.9	76
26	CRream: A Smart Contract Enabled Collusion-Resistant e-Auction. IEEE Transactions on Information Forensics and Security, 2019, 14, 1687-1701.	6.9	72
27	Secure Real-Time Traffic Data Aggregation With Batch Verification for Vehicular Cloud in VANETs. IEEE Transactions on Vehicular Technology, 2020, 69, 807-817.	6.3	68
28	Towards achieving flexible and verifiable search for outsourced database in cloud computing. Future Generation Computer Systems, 2017, 67, 266-275.	7.5	66
29	Identity-based chameleon hashing and signatures without key exposure. Information Sciences, 2014, 265, 198-210.	6.9	62
30	State Estimation for Quaternion-Valued Neural Networks With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2278-2287.	9.3	61
31	Efficient Data Access Control With Fine-Grained Data Protection in Cloud-Assisted IIoT. IEEE Internet of Things Journal, 2021, 8, 2886-2899.	8.7	60
32	Blockchain-Based Dynamic Provable Data Possession for Smart Cities. IEEE Internet of Things Journal, 2020, 7, 4143-4154.	8.7	59
33	Blockchain-based multiple groups data sharing with anonymity and traceability. Science China Information Sciences, 2020, 63, 1.	4.3	58
34	VoicePop: A Pop Noise based Anti-spoofing System for Voice Authentication on Smartphones. , 2019, , .		55
35	Dynamic weakening by nanoscale smoothing during high-velocity fault slip. Geology, 2013, 41, 739-742.	4.4	52
36	Cpds: Enabling Compressed and Private Data Sharing for Industrial Internet of Things Over Blockchain. IEEE Transactions on Industrial Informatics, 2021, 17, 2376-2387.	11.3	52

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37	Effect of water on critical and subcritical fracture properties of Woodford shale. Journal of Geophysical Research: Solid Earth, 2017, 122, 2736-2750.	3.4	50
38	LVID: A Multimodal Biometrics Authentication System on Smartphones. IEEE Transactions on Information Forensics and Security, 2020, 15, 1572-1585.	6.9	50
39	Privacy-Preserving Collaborative Model Learning: The Case of Word Vector Training. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2381-2393.	5.7	45
40	Effect of Water on Fracture Mechanical Properties of Shales. Journal of Geophysical Research: Solid Earth, 2019, 124, 2428-2444.	3.4	41
41	ϵ -Differential Privacy: Privacy-Preserving and Truthful Online Double Auction for Spectrum Allocation. IEEE Transactions on Information Forensics and Security, 2019, 14, 374-386.	6.9	40
42	RS-HABE: Revocable-storage and Hierarchical Attribute-based Access Scheme for Secure Sharing of e-Health Records in Public Cloud. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	40
43	DedupDUM: Secure and scalable data deduplication with dynamic user management. Information Sciences, 2018, 456, 159-173.	6.9	35
44	Secure Cloud Data Deduplication with Efficient Re-Encryption. IEEE Transactions on Services Computing, 2022, 15, 442-456.	4.6	35
45	Brainstorming-Based Ant Colony Optimization for Vehicle Routing With Soft Time Windows. IEEE Access, 2019, 7, 19643-19652.	4.2	34
46	Asperity Failure Control of Stick-Slip Along Brittle Faults. Pure and Applied Geophysics, 2020, 177, 3225-3242.	1.9	33
47	Survive and Thrive: A Stochastic Game for DDoS Attacks in Bitcoin Mining Pools. IEEE/ACM Transactions on Networking, 2020, 28, 874-887.	3.8	30
48	Verifiable Computation over Large Database with Incremental Updates. Lecture Notes in Computer Science, 2014, , 148-162.	1.3	30
49	Dolphin: Real-Time Hidden Acoustic Signal Capture with Smartphones. IEEE Transactions on Mobile Computing, 2019, 18, 560-573.	5.8	28
50	Achieving Searchable Encryption Scheme With Search Pattern Hidden. IEEE Transactions on Services Computing, 2022, 15, 1012-1025.	4.6	28
51	ForeXGBoost: passenger car sales prediction based on XGBoost. Distributed and Parallel Databases, 2020, 38, 713-738.	1.6	25
52	Towards Efficient Verifiable Conjunctive Keyword Search for Large Encrypted Database. Lecture Notes in Computer Science, 2018, , 83-100.	1.3	25
53	Privacy-Preserving and Truthful Double Auction for Heterogeneous Spectrum. IEEE/ACM Transactions on Networking, 2019, 27, 848-861.	3.8	23
54	Signed-PageRank: An Efficient Influence Maximization Framework for Signed Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	22

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55	ARMOR: A Secure Combinatorial Auction for Heterogeneous Spectrum. IEEE Transactions on Mobile Computing, 2019, 18, 2270-2284.	5.8	22
56	Publicly Verifiable Databases With All Efficient Updating Operations. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3729-3740.	5.7	22
57	A Compressive Integrity Auditing Protocol for Secure Cloud Storage. IEEE/ACM Transactions on Networking, 2021, 29, 1197-1209.	3.8	22
58	Trusted data sharing with flexible access control based on blockchain. Computer Standards and Interfaces, 2021, 78, 103543.	5.4	22
59	Verifiable privacy-preserving single-layer perceptron training scheme in cloud computing. Soft Computing, 2018, 22, 7719-7732.	3.6	21
60	Lightweight and Certificateless Multi-Receiver Secure Data Transmission Protocol for Wireless Body Area Networks. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1464-1475.	5.4	21
61	The frictional strength of talc gouge in high-velocity shear experiments. Journal of Geophysical Research: Solid Earth, 2017, 122, 3661-3676.	3.4	20
62	Friction Evolution of Granitic Faults: Heating Controlled Transition From Powder Lubrication to Frictional Melt. Journal of Geophysical Research: Solid Earth, 2017, 122, 9275-9289.	3.4	20
63	Salinity, pH, and temperature controls on fracture mechanical properties of three shales and their implications for fracture growth in chemically reactive fluid environments. Geomechanics for Energy and the Environment, 2020, 21, 100140.	2.5	20
64	A matrix-based cross-layer key establishment protocol for smart homes. Information Sciences, 2018, 429, 390-405.	6.9	19
65	Privacy-preserving and verifiable online crowdsourcing with worker updates. Information Sciences, 2021, 548, 212-232.	6.9	19
66	Defense-Resistant Backdoor Attacks Against Deep Neural Networks in Outsourced Cloud Environment. IEEE Journal on Selected Areas in Communications, 2021, 39, 2617-2631.	14.0	18
67	Crowdcaching: Incentivizing D2D-Enabled Caching via Coalitional Game for IoT. IEEE Internet of Things Journal, 2020, 7, 5599-5612.	8.7	17
68	Differentially Private Byzantine-Robust Federated Learning. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 3690-3701.	5.6	17
69	Towards Multi-user Searchable Encryption Supporting Boolean Query and Fast Decryption. Lecture Notes in Computer Science, 2017, , 24-38.	1.3	16
70	SmartHandwriting: Handwritten Chinese Character Recognition With Smartwatch. IEEE Internet of Things Journal, 2020, 7, 960-970.	8.7	16
71	Stealing Your Android Patterns via Acoustic Signals. IEEE Transactions on Mobile Computing, 2021, 20, 1656-1671.	5.8	16
72	TIMER: Secure and Reliable Cloud Storage against Data Re-outsourcing. Lecture Notes in Computer Science, 2014, , 346-358.	1.3	15

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73	Oblivious Transfer for Privacy-Preserving in VANETs Feature Matching. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4359-4366.	8.0	15
74	Enabling (End-to-End) Encrypted Cloud Emails With Practical Forward Secrecy. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2318-2332.	5.4	15
75	An Efficient Identity-Based Provable Data Possession Protocol With Compressed Cloud Storage. IEEE Transactions on Information Forensics and Security, 2022, 17, 1359-1371.	6.9	15
76	Game Theoretical Analysis on Encrypted Cloud Data Deduplication. IEEE Transactions on Industrial Informatics, 2019, 15, 5778-5789.	11.3	14
77	Ants can Carry Cheese: Secure and Private RFID-Enabled Third-Party Distribution. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1505-1517.	5.4	14
78	HVDB: a hierarchical verifiable database scheme with scalable updates. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3045-3057.	4.9	13
79	A Hybrid Key Agreement Scheme for Smart Homes Using the Merkle Puzzle. IEEE Internet of Things Journal, 2020, 7, 1061-1071.	8.7	12
80	Deep Reinforcement Learning for Smart City Communication Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4188-4196.	11.3	12
81	TrDup: enhancing secure data deduplication with user traceability in cloud computing. International Journal of Web and Grid Services, 2017, 13, 270.	0.5	11
82	A Key Agreement Scheme for Smart Homes Using the Secret Mismatch Problem. IEEE Internet of Things Journal, 2019, 6, 10251-10260.	8.7	11
83	A Two-Stage Game Framework to Secure Transmission in Two-Tier UAV Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13728-13740.	6.3	11
84	WiFace: Facial Expression Recognition Using Wi-Fi Signals. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	11
85	Dynamic fault weakening during earthquakes: Rupture or friction?. Earth and Planetary Science Letters, 2021, 575, 117165.	4.4	11
86	Matchmaker: Stable Task Assignment With Bounded Constraints for Crowdsourcing Platforms. IEEE Internet of Things Journal, 2021, 8, 1599-1610.	8.7	10
87	Communication-Efficient and Fine-Grained Forward-Secure Asynchronous Messaging. IEEE/ACM Transactions on Networking, 2021, 29, 2242-2253.	3.8	10
88	SAFE: A General Secure and Fair Auction Framework for Wireless Markets With Privacy Preservation. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2038-2053.	5.4	10
89	Updatable Block-Level Deduplication with Dynamic Ownership Management on Encrypted Data. , 2018, , .		9
90	Silhouette: Efficient Cloud Configuration Exploration for Large-Scale Analytics. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 2049-2061.	5.6	9

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91	FuzzyDedup: Secure Fuzzy Deduplication for Cloud Storage. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 2466-2483.	5.4	9
92	ZkRep: A Privacy-Preserving Scheme for Reputation-Based Blockchain System. IEEE Internet of Things Journal, 2022, 9, 4330-4342.	8.7	8
93	Secure Cloud Auditing with Efficient Ownership Transfer. Lecture Notes in Computer Science, 2020, , 611-631.	1.3	8
94	ASBKS: Towards attribute set based keyword search over encrypted personal health records. IEEE Transactions on Dependable and Secure Computing, 2020, , 1-1.	5.4	8
95	Robust Asymptotical Stability and Stabilization of Fractional-Order Complex-Valued Neural Networks with Delay. Discrete Dynamics in Nature and Society, 2021, 2021, 1-14.	0.9	8
96	Ubi-Fatigue: Toward Ubiquitous Fatigue Detection via Contactless Sensing. IEEE Internet of Things Journal, 2022, 9, 14103-14115.	8.7	8
97	SmartGe: Identifying Pen-Holding Gesture With Smartwatch. IEEE Access, 2020, 8, 28820-28830.	4.2	7
98	State Estimation of Quaternion-Valued Neural Networks with Leakage Time Delay and Mixed Two Additive Time-Varying Delays. Neural Processing Letters, 2020, 51, 2155-2178.	3.2	7
99	Fracture mechanical properties of carbonate and evaporite caprocks in Sichuan Basin, China with implications for reservoir seal integrity. Marine and Petroleum Geology, 2020, 119, 104468.	3.3	7
100	<i>DetectDUI</i>: An In-Car Detection System for Drink Driving and BACs. IEEE/ACM Transactions on Networking, 2022, 30, 896-910.	3.8	7
101	NIRSCam: A Mobile Near-Infrared Sensing System for Food Calorie Estimation. IEEE Internet of Things Journal, 2022, 9, 18934-18945.	8.7	7
102	Optimal Verifiable Data Streaming Protocol with Data Auditing. Lecture Notes in Computer Science, 2021, , 296-312.	1.3	6
103	Multi-Party Payment Channel Network Based on Smart Contract. IEEE Transactions on Network and Service Management, 2022, 19, 4847-4857.	4.9	6
104	Robust stability analysis of quaternion-valued neural networks via LMI approach. Advances in Difference Equations, 2018, 2018, .	3.5	5
105	TranGAN: Generative Adversarial Network Based Transfer Learning for Social Tie Prediction. , 2019, , .		5
106	LMI conditions for some dynamical behaviors of fractional-order quaternion-valued neural networks. Advances in Difference Equations, 2019, 2019, .	3.5	5
107	Health-Radio: Towards Contactless Myocardial Infarction Detection Using Radio Signals. IEEE Transactions on Mobile Computing, 2022, 21, 585-597.	5.8	5
108	Securing Channel State Information in Multiuser MIMO With Limited Feedback. IEEE Transactions on Wireless Communications, 2020, 19, 3091-3103.	9.2	5

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109	Identity-Based Cloud Storage Auditing for Data Sharing With Access Control of Sensitive Information. IEEE Internet of Things Journal, 2022, 9, 10434-10445.	8.7	5
110	A Multipath Routing for Payment Channel Networks for Internet of Things Microtransactions. IEEE Internet of Things Journal, 2022, 9, 19670-19681.	8.7	5
111	Weakening Mechanisms of Alpine Fault Gouge in High-Velocity Shear Experiments. Journal of Geophysical Research: Solid Earth, 2019, 124, 7413-7428.	3.4	4
112	Multiscale fracture and damage zone characterization in a tight sandstone reservoir, Sichuan Basin, China. Interpretation, 2020, 8, SP1-SP11.	1.1	4
113	SmartSO: Chinese Character and Stroke Order Recognition With Smartwatch. IEEE Transactions on Mobile Computing, 2021, 20, 2490-2504.	5.8	4
114	MPCN-RP: A Routing Protocol for Blockchain-Based Multi-Charge Payment Channel Networks. IEEE Transactions on Network and Service Management, 2022, 19, 1229-1242.	4.9	4
115	Efficient public-key authenticated deniable encryption schemes. Computer Standards and Interfaces, 2022, 82, 103620.	5.4	4
116	Joint Price Competition and Resource Allocation for Duopoly Femtocell Market. IEEE Transactions on Vehicular Technology, 2018, 67, 2491-2500.	6.3	3
117	Cross-domain Anomaly Detection for Power Industrial Control System. , 2020, , .		3
118	Financial Analysis of Network Upgrade. IEEE Transactions on Vehicular Technology, 2018, 67, 5496-5499.	6.3	2
119	Secure Publicly Verifiable Computation with Polynomial Commitment in Cloud Computing. Lecture Notes in Computer Science, 2018, , 417-430.	1.3	2
120	Cooperative Transmission With Priority and Fairness in Edge Computing Systems. IEEE Access, 2019, 7, 44059-44069.	4.2	2
121	Fracture behavior of Longmaxi shale with implications for subsurface applications. Interpretation, 2020, 8, SP205-SP213.	1.1	2
122	Time Context-Aware IPTV Program Recommendation Based on Tensor Learning. , 2018, , .		1
123	Global Exponential Stability of Commutative Quaternion-Valued Neural Networks With Time Varying Delays. IEEE Access, 2020, 8, 142366-142378.	4.2	1
124	PP-SPEC: Securing Spectrum Allocation for Internet of Things. IEEE Internet of Things Journal, 2020, 7, 10826-10836.	8.7	1
125	ABInfer: A Novel Field Boundaries inference Approach for Protocol Reverse Engineering. , 2020, , .		1
126	Some Dynamical Behaviors of Fractional-Order Commutative Quaternion-Valued Neural Networks via Direct Method of Lyapunov. IEEE Access, 2021, 9, 693-708.	4.2	1

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127	Exclusivity or Competitor Retail? Impacts of Channel Structures on Multinational Supply Chains considering Green Manufacturing. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-21.	1.1	1
128	Effects of Parallel Importation and Power Structures on Price Competition in Duopolistic Supply Chains. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-21.	1.1	1
129	A Contract-Based Insurance Incentive Mechanism Boosted by Wearable Technology. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6089-6100.	8.7	1
130	STC: Exposing Hidden Compromised Devices in Networked Sustainable Green Smart Computing Platforms by Partial Observation. <i>IEEE Transactions on Sustainable Computing</i> , 2019, 4, 178-190.	3.1	1
131	Two-Player Location Game in a Closed-Loop Market with Quantity Competition. <i>Complexity</i> , 2020, 2020, 1-12.	1.6	0
132	IMS: An Identity-Based Many-to-Many Subscription Scheme With Efficient Key Management for Wireless Broadcast Systems. <i>IEEE Transactions on Services Computing</i> , 2022, 15, 1707-1719.	4.6	0
133	Location-Price Game in a Dual-Circle Market with Different Demand Levels. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-15.	1.1	0
134	Efficient and Verifiable Proof of Replication with Fast Fault Localization. , 2021, , .		0
135	DE-Sword: Incentivized Verifiable Tag Path Query in RFID-Enabled Supply Chain Systems. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2022, 19, 2122-2137.	5.4	0
136	On the Existence of the Exact Solution of Quaternion-Valued Neural Networks Based on a Sequence of Approximate Solutions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, PP, 1-9.	11.3	0
137	Two-Player Location-Price Game in a Spoke Market with Linear Transportation Cost. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-5.	0.9	0