Zhihua Xia

List of Publications by Year
in descending order

70 papers	3,623 citations	257357 24 h-index	133188 59 g-index
71 all docs	71 docs citations	71 times ranked	2637 citing authors

#	Article	IF	Citations
1	A Secure and Dynamic Multi-Keyword Ranked Search Scheme over Encrypted Cloud Data. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 340-352.	4.0	937
2	A Privacy-Preserving and Copy-Deterrence Content-Based Image Retrieval Scheme in Cloud Computing. IEEE Transactions on Information Forensics and Security, 2016, 11, 2594-2608.	4.5	595
3	Steganalysis of LSB matching using differences between nonadjacent pixels. Multimedia Tools and Applications, 2016, 75, 1947-1962.	2.6	318
4	Steganalysis of least significant bit matching using multiâ€order differences. Security and Communication Networks, 2014, 7, 1283-1291.	1.0	262
5	EPCBIR: An efficient and privacy-preserving content-based image retrieval scheme in cloud computing. Information Sciences, 2017, 387, 195-204.	4.0	163
6	Towards Privacy-Preserving Content-Based Image Retrieval in Cloud Computing. IEEE Transactions on Cloud Computing, 2018, 6, 276-286.	3.1	134
7	A copy-move forgery detection method based on CMFD-SIFT. Multimedia Tools and Applications, 2018, 77, 837-855.	2.6	76
8	Fingerprint Liveness Detection Using an Improved CNN With Image Scale Equalization. IEEE Access, 2019, 7, 26953-26966.	2.6	64
9	A Survey on Deepfake Video Detection. IET Biometrics, 2021, 10, 607-624.	1.6	61
10	A Novel Weber Local Binary Descriptor for Fingerprint Liveness Detection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1526-1536.	5.9	53
11	A Privacy-Preserving Image Retrieval Based on AC-Coefficients and Color Histograms in Cloud Environment. Computers, Materials and Continua, 2019, 58, 27-43.	1.5	48
12	Secure Image LBP Feature Extraction in Cloud-Based Smart Campus. IEEE Access, 2018, 6, 30392-30401.	2.6	46
13	Reversible data hiding with automatic contrast enhancement for medical images. Signal Processing, 2021, 178, 107817.	2.1	46
14	Secure semantic expansion based search over encrypted cloud data supporting similarity ranking. Journal of Cloud Computing: Advances, Systems and Applications, 2014, 3, .	2.1	44
15	BOEW: A Content-Based Image Retrieval Scheme Using Bag-of-Encrypted-Words in Cloud Computing. IEEE Transactions on Services Computing, 2022, 15, 202-214.	3.2	44
16	Fingerprint liveness detection using gradient-based texture features. Signal, Image and Video Processing, 2017, 11, 381-388.	1.7	43
17	A Privacy-Preserving Outsourcing Scheme for Image Local Binary Pattern in Secure Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 629-638.	7.2	41
18	Deep Residual Network With Adaptive Learning Framework for Fingerprint Liveness Detection. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 461-473.	2.6	39

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19	Improving Generalization by Commonality Learning in Face Forgery Detection. IEEE Transactions on Information Forensics and Security, 2022, 17, 547-558.	4.5	36
20	Adversarial attacks on fingerprint liveness detection. Eurasip Journal on Image and Video Processing, 2020, 2020, .	1.7	34
21	A Privacy-Preserving Image Retrieval Scheme Using Secure Local Binary Pattern in Cloud Computing. IEEE Transactions on Network Science and Engineering, 2021, 8, 318-330.	4.1	34
22	Multi-keyword ranked search supporting synonym query over encrypted data in cloud computing. , 2013, , .		30
23	Steganalysis of LSB matching using characteristic function moment of pixel differences. China Communications, 2016, 13, 66-73.	2.0	30
24	Novel Coverless Steganography Method Based on Image Selection and StarGAN. IEEE Transactions on Network Science and Engineering, 2022, 9, 219-230.	4.1	30
25	High-Capacity Reversible Data Hiding for Encrypted Multimedia Data With Somewhat Homomorphic Encryption. IEEE Access, 2018, 6, 60635-60644.	2.6	27
26	An AES-Based Secure Image Retrieval Scheme Using Random Mapping and BOW in Cloud Computing. IEEE Access, 2020, 8, 61138-61147.	2.6	26
27	Steganalysis Based on Difference Statistics for LSB Matching Steganography. Information Technology Journal, 2009, 8, 1281-1286.	0.3	24
28	Techniques for Design and Implementation of an FPGA-Specific Physical Unclonable Function. Journal of Computer Science and Technology, 2016, 31, 124-136.	0.9	23
29	A Content-Based Image Retrieval Scheme Using an Encrypted Difference Histogram in Cloud Computing. Information (Switzerland), 2017, 8, 96.	1.7	21
30	Enhancing Security of FPGA-Based Embedded Systems with Combinational Logic Binding. Journal of Computer Science and Technology, 2017, 32, 329-339.	0.9	20
31	Feature Selection for Image Steganalysis using Hybrid Genetic Algorithm. Information Technology Journal, 2009, 8, 811-820.	0.3	20
32	Attribute-based access control scheme with efficient revocation in cloud computing. China Communications, 2016, 13, 92-99.	2.0	16
33	Exposing AI-generated videos with motion magnification. Multimedia Tools and Applications, 2021, 80, 30789-30802.	2.6	16
34	Privacy- Preserving Keyword-based Semantic Search over Encrypted Cloud Data. International Journal of Security and Its Applications, 2014, 8, 9-20.	0.5	16
35	Rotation-invariant Weber pattern and Gabor feature for fingerprint liveness detection. Multimedia Tools and Applications, 2018, 77, 18187-18200.	2.6	15
36	A Privacy-Preserving Handwritten Signature Verification Method Using Combinational Features and Secure KNN. IEEE Access, 2018, 6, 46695-46705.	2.6	14

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37	Coverless Information Hiding Based on Probability Graph Learning for Secure Communication in IoT Environment. IEEE Internet of Things Journal, 2022, 9, 9332-9341.	5.5	14
38	A vehicular ad hoc network privacy protection scheme without a trusted third party. International Journal of Distributed Sensor Networks, 2017, 13, 155014771774369.	1.3	13
39	Fingerprint liveness detection using multiscale difference co-occurrence matrix. Optical Engineering, 2016, 55, 063111.	0.5	12
40	A VANET privacy protection scheme based on fair blind signature and secret sharing algorithm. Automatika, 2017, 58, 287-294.	1.2	12
41	An Efficient and Privacy-Preserving Semantic Multi-Keyword Ranked Search over Encrypted Cloud Data. International Journal of Security and Its Applications, 2014, 8, 323-332.	0.5	10
42	Invertible Transform-Based Reversible Text Watermarking. Information Technology Journal, 2010, 9, 1190-1195.	0.3	10
43	A Format-compatible Searchable Encryption Scheme for JPEG Images Using Bag-of-words. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-18.	3.0	10
44	A Multi-keyword Ranked Search over Encrypted Cloud Data Supporting Semantic Extension. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 107-120.	0.3	8
45	CADS: Co-operative Anti-fraud Data Storage Scheme for Unattended Wireless Sensor Networks. Information Technology Journal, 2010, 9, 1361-1368.	0.3	8
46	RDH-DES: Reversible Data Hiding over Distributed Encrypted-Image Servers Based on Secret Sharing. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-19.	3.0	8
47	JPEG image steganalysis using joint discrete cosine transform domain features. Journal of Electronic Imaging, 2010, 19, 023006.	0.5	7
48	PLDP: Personalized Local Differential Privacy for Multidimensional Data Aggregation. Security and Communication Networks, 2021, 2021, 1-13.	1.0	7
49	An Application Review of Artificial Intelligence in Prevention and Cure of COVID-19 Pandemic. Computers, Materials and Continua, 2020, 65, 743-760.	1.5	7
50	Dynamic Multi-keyword Top-k Ranked Search over Encrypted Cloud Data. International Journal of Security and Its Applications, 2014, 8, 319-332.	0.5	6
51	MSPPIR: Multi-Source Privacy-Preserving Image Retrieval in cloud computing. Future Generation Computer Systems, 2022, 134, 78-92.	4.9	6
52	Secure multimedia distribution in cloud computing using re-encryption and fingerprinting. Multimedia Tools and Applications, 2019, 78, 30297-30313.	2.6	5
53	Enabling Similarity Search over Encrypted Images in Cloud. Information Technology Journal, 2014, 13, 824-831.	0.3	5
54	FLD-SRC: Fingerprint Liveness Detection for AFIS Based on Spatial Ridges Continuity. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 817-827.	7.3	5

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55	Channel-Wise Spatiotemporal Aggregation Technology for Face Video Forensics. Security and Communication Networks, 2021, 2021, 1-13.	1.0	4
56	Watermarking-based intellectual property protection for sensor streaming data. International Journal of Computer Applications in Technology, 2010, 39, 213.	0.3	3
57	Face spoof detection using feature map superposition and CNN. International Journal of Computational Science and Engineering, 2020, 22, 355.	0.4	3
58	Steganalysis of least significant bit matching based on image histogram and correlation. Journal of Electronic Imaging, 2013, 22, 033008.	0.5	2
59	A VANET Anonymous Authentication Mechanism for Multi-level Application Scenarios. Lecture Notes in Computer Science, 2018, , 706-717.	1.0	2
60	Fingerprint Liveness Detection Using Difference Co-occurrence Matrix Based Texture Features. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 1-16.	0.3	2
61	Improved Encrypted-Signals-Based Reversible Data Hiding Using Code Division Multiplexing and Value Expansion. Security and Communication Networks, 2018, 2018, 1-9.	1.0	1
62	Review on privacy-preserving data comparison protocols in cloud computing. Advances in Computers, 2021, 120, 81-119.	1.2	1
63	ABE based Access Control with Authenticated Dynamic Policy Updating in Clouds. International Journal of Security and Its Applications, 2015, 9, 95-110.	0.5	1
64	Fingerprint Liveness Detection Using Gray Level Co-Occurrence Matrix Based Texture Feature. International Journal of Grid and Distributed Computing, 2016, 9, 65-78.	0.8	1
65	Hybrid Additive Multi-watermarking Decoder. , 2012, , .		0
66	A Novel Authentication Protocol with Tree-based Signature for Green Cloud Computing. , 2018, , .		0
67	Skeleton-based Chinese Text Image Watermark Algorithm Robust to Printing and Scanning. Information Technology Journal, 2013, 12, 2130-2137.	0.3	0
68	Study of the Privacy Models in RFID Authentication Protocols. International Journal of Security and Its Applications, 2013, 7, 345-354.	0.5	0
69	Bacthing Auditing of Data in Multicloud Storage. International Journal of Database Theory and Application, 2014, 7, 139-150.	0.2	0
70	Face spoof detection using feature map superposition and CNN. International Journal of Computational Science and Engineering, 2020, 22, 355.	0.4	0