

# Xue Hu Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

128  
papers

1,381  
citations

393982

19  
h-index

476904

29  
g-index

131  
all docs

131  
docs citations

131  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	An enhanced threshold visual secret sharing based on random grids. Journal of Real-Time Image Processing, 2018, 14, 61-73.	2.2	102
2	Threshold construction from specific cases in visual cryptography without the pixel expansion. Signal Processing, 2014, 105, 389-398.	2.1	67
3	Visual secret sharing based on random grids with abilities of AND and XOR lossless recovery. Multimedia Tools and Applications, 2015, 74, 3231-3252.	2.6	63
4	Halftone visual cryptography with minimum auxiliary black pixels and uniform image quality. , 2015, 38, 53-65.		61
5	A new meaningful secret sharing scheme based on random grids, error diffusion and chaotic encryption. Optics and Laser Technology, 2013, 54, 389-400.	2.2	51
6	Reversible Image Secret Sharing. IEEE Transactions on Information Forensics and Security, 2020, , 1-1.	4.5	42
7	A Common Method of Share Authentication in Image Secret Sharing. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2896-2908.	5.6	38
8	A general progressive secret image sharing construction method. Signal Processing: Image Communication, 2019, 71, 66-75.	1.8	36
9	Visual secret sharing scheme for $(k, n)$ threshold based on QR code with multiple decryptions. Journal of Real-Time Image Processing, 2018, 14, 25-40.	2.2	33
10	Generalized random grids-based threshold visual cryptography with meaningful shares. Signal Processing, 2015, 109, 317-333.	2.1	32
11	Lossless and Efficient Polynomial-Based Secret Image Sharing with Reduced Shadow Size. Symmetry, 2018, 10, 249.	1.1	32
12	A Novel Hybrid Multibiometrics Based on the Fusion of Dual Iris, Visible and Thermal Face Images. , 2013, , .		30
13	Progressive visual secret sharing for general access structure with multiple decryptions. Multimedia Tools and Applications, 2018, 77, 2653-2672.	2.6	30
14	Feature Selection for Image Steganalysis Using Binary Bat Algorithm. IEEE Access, 2020, 8, 4244-4249.	2.6	28
15	Exploiting the Homomorphic Property of Visual Cryptography. International Journal of Digital Crime and Forensics, 2017, 9, 45-56.	0.5	26
16	New approaches for efficient information hiding-based secret image sharing schemes. Signal, Image and Video Processing, 2015, 9, 499-510.	1.7	25
17	Chinese Remainder Theorem-Based Secret Image Sharing for $(k, n)$ Threshold. Lecture Notes in Computer Science, 2017, , 433-440.	1.0	25
18	Random grid-based visual secret sharing with multiple decryptions. Journal of Visual Communication and Image Representation, 2015, 26, 94-104.	1.7	23

#	ARTICLE	IF	CITATIONS
19	Polynomial-Based Secret Image Sharing Scheme with Fully Lossless Recovery. International Journal of Digital Crime and Forensics, 2018, 10, 120-136.	0.5	23
20	General Meaningful Shadow Construction in Secret Image Sharing. IEEE Access, 2018, 6, 45246-45255.	2.6	23
21	Threshold progressive visual cryptography construction with unexpanded shares. Multimedia Tools and Applications, 2016, 75, 8657-8674.	2.6	20
22	Random grids-based visual secret sharing with improved visual quality via error diffusion. Multimedia Tools and Applications, 2015, 74, 9279-9296.	2.6	18
23	Robust Secret Image Sharing Resistant to Noise in Shares. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-22.	3.0	17
24	Generalized general access structure in secret image sharing. Journal of Visual Communication and Image Representation, 2019, 58, 89-101.	1.7	15
25	XOR-ed visual secret sharing scheme with robust and meaningful shadows based on QR codes. Multimedia Tools and Applications, 2020, 79, 5719-5741.	2.6	15
26	Secret Image Sharing with Dealer-Participatory and Non-Dealer-Participatory Mutual Shadow Authentication Capabilities. Mathematics, 2020, 8, 234.	1.1	15
27	Multiparty verification in image secret sharing. Information Sciences, 2021, 562, 475-490.	4.0	15
28	Robust Secret Image Sharing Scheme Against Noise in Shadow Images. IEEE Access, 2021, 9, 23284-23300.	2.6	15
29	Contrast-improved visual secret sharing based on random grid for general access structure. , 2017, 71, 36-45.		14
30	Polynomial-based extended secret image sharing scheme with reversible and unexpanded covers. Multimedia Tools and Applications, 2019, 78, 1265-1287.	2.6	14
31	Weighted Secret Image Sharing for a $(k,n)$ Threshold Based on the Chinese Remainder Theorem. IEEE Access, 2019, 7, 59278-59286.	2.6	13
32	Research on the Capacity of Error-Correcting Codes-Based Information Hiding. , 2008, , .		12
33	A novel template protection scheme for multibiometrics based on fuzzy commitment and chaotic system. Signal, Image and Video Processing, 2015, 9, 99-109.	1.7	12
34	Design a new visual cryptography for human-verifiable authentication in accessing a database. Journal of Real-Time Image Processing, 2016, 12, 483-494.	2.2	12
35	A Simple Review of Audio Steganography. , 2019, , .		12
36	Security analysis and classification of image secret sharing. Journal of Information Security and Applications, 2019, 47, 208-216.	1.8	12

#	ARTICLE	IF	CITATIONS
37	Participants increasing for threshold random grids-based visual secret sharing. Journal of Real-Time Image Processing, 2018, 14, 13-24.	2.2	11
38	An Image Secret Sharing Method Based on Matrix Theory. Symmetry, 2018, 10, 530.	1.1	11
39	Lossless $(k,n)$ -Threshold Image Secret Sharing Based on the Chinese Remainder Theorem Without Auxiliary Encryption. IEEE Access, 2019, 7, 75113-75121.	2.6	11
40	Image Steganalysis via Diverse Filters and Squeeze-and-Excitation Convolutional Neural Network. Mathematics, 2021, 9, 189.	1.1	11
41	Clarity Corresponding to Contrast in Visual Cryptography. Communications in Computer and Information Science, 2016, , 249-257.	0.4	11
42	Meaningful visual secret sharing based on error diffusion and random grids. Multimedia Tools and Applications, 2016, 75, 3353-3373.	2.6	10
43	Random grid-based threshold visual secret sharing with improved visual quality and lossless recovery ability. Multimedia Tools and Applications, 2018, 77, 20673-20696.	2.6	10
44	Efficient and Lossless Polynomial-Based Secret Image Sharing for Color Images. IEEE Access, 2019, 7, 113216-113222.	2.6	10
45	A Lossless Secret Image Sharing Scheme Based on Steganography. , 2012, , .		9
46	Visual Secret Sharing Scheme with $(k, n)$ Threshold Based on QR Codes. , 2016, , .		9
47	Multi-Attribute Decision Making Method for Node Importance Metric in Complex Network. Applied Sciences (Switzerland), 2022, 12, 1944.	1.3	9
48	Meaningful Secret Image Sharing with Saliency Detection. Entropy, 2022, 24, 340.	1.1	9
49	Cefuzz: An Directed Fuzzing Framework for PHP RCE Vulnerability. Electronics (Switzerland), 2022, 11, 758.	1.8	9
50	A Novel Visual Secret Sharing Scheme Based on QR Codes. International Journal of Digital Crime and Forensics, 2017, 9, 38-48.	0.5	8
51	Robust Visual Secret Sharing Scheme Applying to QR Code. Security and Communication Networks, 2018, 2018, 1-12.	1.0	8
52	Visual secret sharing scheme with $(n, n)$ threshold for selective secret content based on QR codes. Multimedia Tools and Applications, 2020, 79, 2789-2811.	2.6	8
53	Applying Visual Cryptography to Enhance Text Captchas. Mathematics, 2020, 8, 332.	1.1	8
54	Flexible Quantum Image Secret Sharing Based on Measurement and Strip. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
55	A Progressive Threshold Secret Image Sharing with Meaningful Shares for Gray-Scale Image. , 2016, , .		7
56	Image Secret Sharing Construction for General Access Structure with Meaningful Share. International Journal of Digital Crime and Forensics, 2018, 10, 66-77.	0.5	7
57	Chinese Remainder Theorem-Based Secret Image Sharing with Small-Sized Shadow Images. Symmetry, 2018, 10, 340.	1.1	7
58	Meaningful Secret Image Sharing Scheme with High Visual Quality Based on Natural Steganography. Mathematics, 2020, 8, 1452.	1.1	7
59	Weighted visual cryptographic scheme with improved image quality. Multimedia Tools and Applications, 2020, 79, 21345-21360.	2.6	7
60	Visual Secret Sharing Scheme for Color QR Code. , 2018, , .		6
61	A novel $(k_1, k_2, n)$ -threshold two-in-one secret image sharing scheme for multiple secrets. Journal of Visual Communication and Image Representation, 2021, 74, 102971.	1.7	6
62	BEDetector: A Two-Channel Encoding Method to Detect Vulnerabilities Based on Binary Similarity. IEEE Access, 2021, 9, 51631-51645.	2.6	6
63	Multiple security anti-counterfeit applications to QR code payment based on visual secret sharing and QR code. Mathematical Biosciences and Engineering, 2019, 16, 6367-6385.	1.0	6
64	Threshold visual secret sharing with comprehensive properties based on random grids. Signal, Image and Video Processing, 2015, 9, 1659-1668.	1.7	5
65	Fake and dishonest participant location scheme in secret image sharing. Mathematical Biosciences and Engineering, 2021, 18, 2473-2495.	1.0	5
66	Weighted visual secret sharing with multiple decryptions and lossless recovery. Mathematical Biosciences and Engineering, 2019, 16, 5750-5764.	1.0	5
67	CTTGAN: Traffic Data Synthesizing Scheme Based on Conditional GAN. Sensors, 2022, 22, 5243.	2.1	5
68	Random Grids-Based Threshold Visual Secret Sharing with Improved Visual Quality. Lecture Notes in Computer Science, 2017, , 209-222.	1.0	4
69	Secret Image Sharing Based on Error-Correcting Codes. , 2017, , .		4
70	Greyscale-images-oriented progressive secret sharing based on the linear congruence equation. Multimedia Tools and Applications, 2018, 77, 20569-20596.	2.6	4
71	Penrose tiling for visual secret sharing. Multimedia Tools and Applications, 2020, 79, 32693-32710.	2.6	4
72	On the Value of Order Number and Power in Secret Image Sharing. Security and Communication Networks, 2020, 2020, 1-13.	1.0	4

#	ARTICLE	IF	CITATIONS
73	Lossless and Efficient Secret Image Sharing Based on Matrix Theory Modulo 256. Mathematics, 2020, 8, 1018.	1.1	4
74	Security Analysis of Secret Image Sharing. Communications in Computer and Information Science, 2017, , 305-316.	0.4	4
75	(2,Â2) Threshold Robust Visual Secret Sharing Scheme for QR Code Based on Pad Codewords. Advances in Intelligent Systems and Computing, 2020, , 619-628.	0.5	4
76	Information hiding in the sharing domain. Journal of Visual Communication and Image Representation, 2022, 86, 103520.	1.7	4
77	Participants Increasing for Shamirâ€™s Polynomial-Based Secret Image Sharing Scheme. , 2017, , .		3
78	Applying QR Code to Secure Medical Management. , 2018, , .		3
79	Application of random elements in ISS. IET Image Processing, 2020, 14, 530-535.	1.4	3
80	Weighted Polynomial-Based Secret Image Sharing Scheme with Lossless Recovery. Security and Communication Networks, 2021, 2021, 1-11.	1.0	3
81	WTA: A Static Taint Analysis Framework for PHP Webshell. Applied Sciences (Switzerland), 2021, 11, 7763.	1.3	3
82	Visual secret sharing scheme with (n,n) threshold based on WeChat Mini Program codes. Journal of Visual Communication and Image Representation, 2022, 82, 103409.	1.7	3
83	Practical Secret Image Sharing Based on the Chinese Remainder Theorem. Mathematics, 2022, 10, 1959.	1.1	3
84	Contrast-Improved Visual Cryptography for General Access Structure. , 2016, , .		2
85	Quality-adaptive threshold visual secret sharing by random grids. , 2016, , .		2
86	A Novel Progressive Secret Image Sharing Method with Better Robustness. Communications in Computer and Information Science, 2017, , 539-550.	0.4	2
87	Adaptive Audio Steganography Scheme Based on Wavelet Packet Energy. , 2017, , .		2
88	A Common General Access Structure Construction Approach in Secret Image Sharing. International Journal of Digital Crime and Forensics, 2020, 12, 96-110.	0.5	2
89	Applying Secret Image Sharing to Economics. International Journal of Digital Crime and Forensics, 2021, 13, 16-25.	0.5	2
90	An Intragroup and Intergroup Multiple Secret Imagesâ€™ Sharing Scheme with Each Participant Holding One Shadow Image. Security and Communication Networks, 2021, 2021, 1-14.	1.0	2

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91	BAT: real-time inaudible sound capture with smartphones. Multimedia Tools and Applications, 2021, 80, 33313-33327.	2.6	2
92	AMBTC-based visual secret sharing with different meaningful shadows. Mathematical Biosciences and Engineering, 2021, 18, 5236-5251.	1.0	2
93	Essential Visual Cryptographic Scheme with Different Importance of Shares. Lecture Notes in Computer Science, 2014, , 636-643.	1.0	2
94	High capacity reversible data hiding in MP3 based on Huffman table transformation. Mathematical Biosciences and Engineering, 2019, 16, 3183-3194.	1.0	2
95	Relations Between Secret Sharing and Secret Image Sharing. Advances in Intelligent Systems and Computing, 2020, , 79-93.	0.5	2
96	Minimum Adversarial Examples. Entropy, 2022, 24, 396.	1.1	2
97	Meaningful secret image sharing resist to typical image processing of shadows. Multimedia Tools and Applications, 2022, 81, 16097-16115.	2.6	2
98	Vulnerability-oriented directed fuzzing for binary programs. Scientific Reports, 2022, 12, 4271.	1.6	2
99	Sparse Adversarial Video Attacks via Superpixel-Based Jacobian Computation. Sensors, 2022, 22, 3686.	2.1	2
100	Comprehensive reversible secret image sharing with palette cover images. Journal of Information Security and Applications, 2022, 68, 103233.	1.8	2
101	Equivalence Proof of Two (2, n) Progressive Visual Secret Sharing. , 2014, , .		1
102	Random Grids-Based Threshold Visual Secret Sharing with Improved Contrast by Boolean Operations. Lecture Notes in Computer Science, 2015, , 319-332.	1.0	1
103	Progressive Visual Secret Sharing for General Access Structure with Multiple Decryptions. , 2016, , .		1
104	A real-time destructive method to counter information hiding. , 2019, , .		1
105	A method of ROP decentralized layout. , 2020, , .		1
106	Research on Automatic Exploitation of House of Spirit Heap Overflow Vulnerability. , 2020, , .		1
107	Data Hiding Based on Mini Program Code. Security and Communication Networks, 2021, 2021, 1-12.	1.0	1
108	Exfiltrating data from an air-gapped system through a screen-camera covert channel. Mathematical Biosciences and Engineering, 2019, 16, 7458-7476.	1.0	1

#	ARTICLE	IF	CITATIONS
109	A General $(k, n)$ Threshold Secret Image Sharing Construction Based on Matrix Theory. Communications in Computer and Information Science, 2017, , 331-340.	0.4	1
110	Image inpainting-based behavior image secret sharing. Mathematical Biosciences and Engineering, 2020, 17, 2950-2966.	1.0	1
111	A Novel Behavior Steganography Model Based on Secret Sharing. International Journal of Digital Crime and Forensics, 2019, 11, 97-117.	0.5	1
112	PBDiff: Neural network based program-wide diffing method for binaries. Mathematical Biosciences and Engineering, 2022, 19, 2774-2799.	1.0	1
113	A Novel General $(n, n)$ -Threshold Multiple Secret Images Sharing Scheme Based on Information Hiding in the Sharing Domain. Entropy, 2022, 24, 318.	1.1	1
114	MTS-Stega: Linguistic Steganography Based on Multi-Time-Step. Entropy, 2022, 24, 585.	1.1	1
115	Wet Paper Coding-Based Deep Neural Network Watermarking. Sensors, 2022, 22, 3489.	2.1	1
116	A Neural Network Model Secret-Sharing Scheme with Multiple Weights for Progressive Recovery. Mathematics, 2022, 10, 2231.	1.1	1
117	Secret Data-Driven Carrier-Free Secret Sharing Scheme Based on Error Correction Blocks of QR Codes. Communications in Computer and Information Science, 2017, , 231-241.	0.4	0
118	Secret Data Fusion Based on Chinese Remainder Theorem. , 2018, , .		0
119	Adaptive Partial Image Secret Sharing. Symmetry, 2020, 12, 703.	1.1	0
120	An Audio Steganography Based on Run Length Encoding and Integer Wavelet Transform. International Journal of Digital Crime and Forensics, 2021, 13, 16-34.	0.5	0
121	Partial Secret Image Sharing for $(n, n)$ -Threshold Based on Image Inpainting. Lecture Notes in Computer Science, 2017, , 527-538.	1.0	0
122	A Novel Progressive Secret Image Sharing Scheme Based on Arithmetic Mean. International Journal of Digital Crime and Forensics, 2017, 9, 28-37.	0.5	0
123	Ramp secret image sharing. Mathematical Biosciences and Engineering, 2019, 16, 4433-4455.	1.0	0
124	Comparison and analysis of secret image sharing principles. , 2021, , .		0
125	A Webshell Detection Algorithms via Multi-parameter Comprehensive Evaluation Based on Text Recognition. , 2021, , .		0
126	A Heuristic Local-sensitive Program-Wide Diffing Method for IoT Binary Files. Arabian Journal for Science and Engineering, 0, , 1.	1.7	0



#	ARTICLE	IF	CITATIONS
127	Discussion on the Application Pattern of Research-And-Discussion Teaching in the Teaching of Computer Courses for Postgraduates. , 2021, , .		0
128	Renewal of secret and shadows in secret image sharing. IET Information Security, 0, , .	1.1	0