

# Yun-Qing Shi

## List of Publications by Year in descending order

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77  
papers

6,246  
citations

117619

34  
h-index

102480

66  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible data hiding. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 354-362.	8.3	2,092
2	Structural Design of Convolutional Neural Networks for Steganalysis. IEEE Signal Processing Letters, 2016, 23, 708-712.	3.6	486
3	Pairwise Prediction-Error Expansion for Efficient Reversible Data Hiding. IEEE Transactions on Image Processing, 2013, 22, 5010-5021.	9.8	442
4	Reversible data hiding: Advances in the past two decades. IEEE Access, 2016, 4, 3210-3237.	4.2	428
5	Using Statistical Image Model for JPEG Steganography: Uniform Embedding Revisited. IEEE Transactions on Information Forensics and Security, 2015, 10, 2669-2680.	6.9	202
6	New Framework for Reversible Data Hiding in Encrypted Domain. IEEE Transactions on Information Forensics and Security, 2016, 11, 2777-2789.	6.9	180
7	Rate and Distortion Optimization for Reversible Data Hiding Using Multiple Histogram Shifting. IEEE Transactions on Cybernetics, 2016, 47, 1-12.	9.5	143
8	Reversible Image Data Hiding with Contrast Enhancement. IEEE Signal Processing Letters, 2015, 22, 81-85.	3.6	140
9	An Embedding Cost Learning Framework Using GAN. IEEE Transactions on Information Forensics and Security, 2020, 15, 839-851.	6.9	140
10	Forensics feature analysis in quaternion wavelet domain for distinguishing photographic images and computer graphics. Multimedia Tools and Applications, 2017, 76, 23721-23737.	3.9	114
11	Image Description With Polar Harmonic Fourier Moments. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4440-4452.	8.3	110
12	A reversible data hiding method with contrast enhancement for medical images. Journal of Visual Communication and Image Representation, 2015, 31, 146-153.	2.8	107
13	An Effective Method for Detecting Double JPEG Compression With the Same Quantization Matrix. IEEE Transactions on Information Forensics and Security, 2014, 9, 1933-1942.	6.9	101
14	An integer wavelet transform based scheme for reversible data hiding in encrypted images. Multidimensional Systems and Signal Processing, 2018, 29, 1191-1202.	2.6	100
15	New Channel Selection Rule for JPEG Steganography. IEEE Transactions on Information Forensics and Security, 2012, 7, 1181-1191.	6.9	82
16	Fractional Quaternion Zernike Moments for Robust Color Image Copy-Move Forgery Detection. IEEE Access, 2018, 6, 56637-56646.	4.2	80
17	Separable Reversible Data Hiding for Encrypted Palette Images With Color Partitioning and Flipping Verification. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1620-1631.	8.3	67
18	High Precision Error Prediction Algorithm Based on Ridge Regression Predictor for Reversible Data Hiding. IEEE Signal Processing Letters, 2021, 28, 1125-1129.	3.6	67

#	ARTICLE	IF	CITATIONS
19	Reversible Data Hiding Using Controlled Contrast Enhancement and Integer Wavelet Transform. IEEE Signal Processing Letters, 2015, 22, 2078-2082.	3.6	66
20	A novel reversible data hiding method with image contrast enhancement. Signal Processing: Image Communication, 2018, 62, 64-73.	3.2	61
21	Identifying Computer Generated Images Based on Quaternion Central Moments in Color Quaternion Wavelet Domain. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2775-2785.	8.3	55
22	A Robust GAN-Generated Face Detection Method Based on Dual-Color Spaces and an Improved Xception. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3527-3538.	8.3	54
23	Stereoscopic Image Description With Trinion Fractional-Order Continuous Orthogonal Moments. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1998-2012.	8.3	52
24	Hybrid multiplicative multi-watermarking in DWT domain. Multidimensional Systems and Signal Processing, 2017, 28, 617-636.	2.6	51
25	Quaternion Convolutional Neural Network for Color Image Classification and Forensics. IEEE Access, 2019, 7, 20293-20301.	4.2	47
26	Edge Perpendicular Binary Coding for USM Sharpening Detection. IEEE Signal Processing Letters, 2015, 22, 327-331.	3.6	45
27	Quaternion pseudo-Zernike moments combining both of RGB information and depth information for color image splicing detection. Journal of Visual Communication and Image Representation, 2017, 49, 283-290.	2.8	44
28	Robust Reversible Watermarking in Encrypted Image With Secure Multi-Party Based on Lightweight Cryptography. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 75-91.	8.3	44
29	Fingerprint liveness detection using gradient-based texture features. Signal, Image and Video Processing, 2017, 11, 381-388.	2.7	43
30	A New Distortion Function Design for JPEG Steganography Using the Generalized Uniform Embedding Strategy. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3545-3549.	8.3	43
31	Detecting Double JPEG Compressed Color Images With the Same Quantization Matrix in Spherical Coordinates. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2736-2749.	8.3	39
32	Detecting median filtering via two-dimensional AR models of multiple filtered residuals. Multimedia Tools and Applications, 2018, 77, 7931-7953.	3.9	37
33	Efficient JPEG Steganography Using Domain Transformation of Embedding Entropy. IEEE Signal Processing Letters, 2018, 25, 773-777.	3.6	36
34	Distinguishing Computer-Generated Graphics from Natural Images Based on Sensor Pattern Noise and Deep Learning. Sensors, 2018, 18, 1296.	3.8	36
35	A Cover Selection HEVC Video Steganography Based on Intra Prediction Mode. IEEE Access, 2019, 7, 119393-119402.	4.2	36
36	An efficient weak sharpening detection method for image forensics. Journal of Visual Communication and Image Representation, 2018, 50, 93-99.	2.8	28

#	ARTICLE	IF	CITATIONS
37	METEOR: Measurable Energy Map Toward the Estimation of Resampling Rate via a Convolutional Neural Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4715-4727.	8.3	24
38	A Study on the Security Levels of Spread-Spectrum Embedding Schemes in the WOA Framework. IEEE Transactions on Cybernetics, 2018, 48, 2307-2320.	9.5	20
39	Detecting USM image sharpening by using CNN. Signal Processing: Image Communication, 2018, 68, 258-264.	3.2	20
40	An Improved Splicing Localization Method by Fully Convolutional Networks. IEEE Access, 2018, 6, 69472-69480.	4.2	19
41	Real-time estimation for the parameters of Gaussian filtering via deep learning. Journal of Real-Time Image Processing, 2020, 17, 17-27.	3.5	19
42	A code division multiplexing and block classification-based real-time reversible data-hiding algorithm for medical images. Journal of Real-Time Image Processing, 2019, 16, 857-869.	3.5	16
43	Dynamic content selection-and-prediction framework applied to reversible data hiding. , 2016, , .		15
44	Minimum entropy and histogram-pair based JPEG image reversible data hiding. Journal of Information Security and Applications, 2019, 45, 1-9.	2.5	15
45	Towards Automatic Embedding Cost Learning for JPEG Steganography. , 2019, , .		13
46	A reversible data hiding algorithm for audio files based on code division multiplexing. Multimedia Tools and Applications, 2021, 80, 17569-17581.	3.9	13
47	Detection of block DCT-based steganography in gray-scale images. , 0, , .		12
48	Non-aligned double JPEG compression detection based on refined Markov features in QDCT domain. Journal of Real-Time Image Processing, 2020, 17, 7-16.	3.5	11
49	Detecting Non-Aligned Double JPEG Compression Based on Amplitude-Angle Feature. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-18.	4.3	11
50	New developments in color image tampering detection. , 2010, , .		10
51	An effective method to detect seam carving. Journal of Information Security and Applications, 2017, 35, 13-22.	2.5	10
52	Separable Data-Hiding Scheme for Encrypted Image to Protect Privacy of User in Cloud. Symmetry, 2019, 11, 82.	2.2	10
53	JPEG steganalysis with combined dense connected CNNs and SCA-GFR. Multimedia Tools and Applications, 2019, 78, 8481-8495.	3.9	10
54	Smoothing identification for digital image forensics. Multimedia Tools and Applications, 2019, 78, 8225-8245.	3.9	10

#	ARTICLE	IF	CITATIONS
55	RD-IWAN: Residual Dense Based Imperceptible Watermark Attack Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7460-7472.	8.3	9
56	Dual-Domain Generative Adversarial Network for Digital Image Operation Anti-Forensics. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1701-1706.	8.3	8
57	Dynamic multi-watermarking and detecting in DWT domain. Journal of Real-Time Image Processing, 2019, 16, 565-576.	3.5	7
58	A Robust H.264/AVC Video Watermarking Scheme with Drift Compensation. Scientific World Journal, The, 2014, 2014, 1-13.	2.1	6
59	Histogram-pair based reversible data hiding via searching for optimal four thresholds. Journal of Information Security and Applications, 2018, 39, 58-67.	2.5	6
60	Code Division Multiplexing and Machine Learning Based Reversible Data Hiding Scheme for Medical Image. Security and Communication Networks, 2019, 2019, 1-9.	1.5	6
61	Reversible Data Hiding in Halftone Images Based on Dynamic Embedding States Group. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2631-2645.	8.3	6
62	Pixel-Value-Ordering Based Reversible Data Hiding with Adaptive Texture Classification and Modification. Lecture Notes in Computer Science, 2019, , 169-179.	1.3	5
63	Medical image super-resolution via deep residual neural network in the shearlet domain. Multimedia Tools and Applications, 2021, 80, 26637.	3.9	5
64	On test and characterization of analog linear time-invariant circuits using neural networks. , 0, ,		4
65	A Layered Embedding-Based Scheme to Cope with Intra-Frame Distortion Drift In IPM-Based HEVC Steganography. , 2021, ,		4
66	Dynamic bandwidth allocation for VBR video traffic based on scene change identification. , 0, ,		3
67	An Advanced Texture Analysis Method for Image Sharpening Detection. Lecture Notes in Computer Science, 2016, , 72-82.	1.3	3
68	A Hybrid Feature Model for Seam Carving Detection. Lecture Notes in Computer Science, 2017, , 77-89.	1.3	3
69	A Convolutional Neural Network Based Seam Carving Detection Scheme for Uncompressed Digital Images. Lecture Notes in Computer Science, 2019, , 3-13.	1.3	3
70	Reinforcement Learning Aided Network Architecture Generation for JPEG Image Steganalysis. , 2020, ,		3
71	Image Quality Assessment in Reversible Data Hiding with Contrast Enhancement. Lecture Notes in Computer Science, 2017, , 290-302.	1.3	2
72	Deep Learning with Feature Reuse for JPEG Image Steganalysis. , 2018, ,		1

#	ARTICLE	IF	CITATIONS
73	Color image-spliced localization based on quaternion principal component analysis and quaternion skewness. Journal of Information Security and Applications, 2019, 47, 353-362.	2.5	1
74	Reversible Data Hiding by Median-Preserving Histogram Modification for Image Contrast Enhancement. Lecture Notes in Computer Science, 2015, , 289-301.	1.3	1
75	Sample domain integration of medical data for multimedia diagnosis. , 0, , .		0
76	A Multiple Linear Regression Based High-Accuracy Error Prediction Algorithm for Reversible Data Hiding. Lecture Notes in Computer Science, 2019, , 195-205.	1.3	0
77	Comparison of DCT and Gabor Filters in Residual Extraction of CNN Based JPEG Steganalysis. Lecture Notes in Computer Science, 2019, , 29-39.	1.3	0