

# Guopu Zhu

## List of Publications by Year in descending order

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52  
papers

2,032  
citations

430442

18  
h-index

243296

44  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gbest-guided artificial bee colony algorithm for numerical function optimization. Applied Mathematics and Computation, 2010, 217, 3166-3173.	1.4	1,036
2	An Effective Method for Detecting Double JPEG Compression With the Same Quantization Matrix. IEEE Transactions on Information Forensics and Security, 2014, 9, 1933-1942.	4.5	101
3	Boundary-based image segmentation using binary level set method. Optical Engineering, 2007, 46, 050501.	0.5	93
4	Anti-Forensics for Face Swapping Videos via Adversarial Training. IEEE Transactions on Multimedia, 2022, 24, 3429-3441.	5.2	63
5	Deep-Learning-Empowered Digital Forensics for Edge Consumer Electronics in 5G HetNets. IEEE Consumer Electronics Magazine, 2022, 11, 42-50.	2.3	60
6	Edge Perpendicular Binary Coding for USM Sharpening Detection. IEEE Signal Processing Letters, 2015, 22, 327-331.	2.1	45
7	Detecting median filtering via two-dimensional AR models of multiple filtered residuals. Multimedia Tools and Applications, 2018, 77, 7931-7953.	2.6	37
8	Transportation Spherical Watermarking. IEEE Transactions on Image Processing, 2018, 27, 2063-2077.	6.0	31
9	Analyzing the Effect of JPEG Compression on Local Variance of Image Intensity. IEEE Transactions on Image Processing, 2016, 25, 2647-2656.	6.0	30
10	Estimating JPEG compression history of bitmaps based on factor histogram. , 2015, 41, 90-97.		28
11	An efficient weak sharpening detection method for image forensics. Journal of Visual Communication and Image Representation, 2018, 50, 93-99.	1.7	28
12	Gradient vector flow active contours with prior directional information. Pattern Recognition Letters, 2010, 31, 845-856.	2.6	27
13	Asynchronous Distributed Finite-Time $H_{\infty}$ Filtering in Sensor Networks With Hidden Markovian Switching and Two-Channel Stochastic Attack. IEEE Transactions on Cybernetics, 2022, 52, 1502-1514.	6.2	27
14	Feature pyramid network for diffusion-based image inpainting detection. Information Sciences, 2021, 572, 29-42.	4.0	26
15	Multi-Task SE-Network for Image Splicing Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4828-4840.	5.6	25
16	Adaptive Event-Triggered and Double-Quantized Consensus of Leader-Follower Multiagent Systems With Semi-Markovian Jump Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5867-5879.	5.9	24
17	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.	5.6	24
18	Fragility Analysis of Adaptive Quantization-Based Image Hashing. IEEE Transactions on Information Forensics and Security, 2010, 5, 133-147.	4.5	23

#	ARTICLE	IF	CITATIONS
19	A Study on the Security Levels of Spread-Spectrum Embedding Schemes in the WOA Framework. IEEE Transactions on Cybernetics, 2018, 48, 2307-2320.	6.2	20
20	Real-time estimation for the parameters of Gaussian filtering via deep learning. Journal of Real-Time Image Processing, 2020, 17, 17-27.	2.2	19
21	Dual geometric active contour for image segmentation. Optical Engineering, 2006, 45, 080505.	0.5	18
22	A Clustering-Based Framework for Improving the Performance of JPEG Quantization Step Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1661-1672.	5.6	18
23	Efficient edge-based object tracking. Pattern Recognition, 2006, 39, 2223-2226.	5.1	17
24	Efficient Illumination Insensitive Object Tracking by Normalized Gradient Matching. IEEE Signal Processing Letters, 2007, 14, 944-947.	2.1	15
25	New Weighted Integral Inequalities and Its Application to Exponential Stability Analysis of Time-Delay Systems. IEEE Access, 2016, 4, 6231-6237.	2.6	15
26	An Improved Algorithm for Reversible Data Hiding in Encrypted Image. Lecture Notes in Computer Science, 2013, , 384-394.	1.0	15
27	A TV-log nonconvex approach for image deblurring with impulsive noise. Signal Processing, 2020, 174, 107631.	2.1	15
28	A Novel Method for Detecting Image Sharpening Based on Local Binary Pattern. Lecture Notes in Computer Science, 2014, , 180-191.	1.0	13
29	Distributed Fault Detection and Control for Markov Jump Systems Over Sensor Networks With Round-Robin Protocol. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3422-3435.	3.5	13
30	Directional geodesic active contour for image segmentation. Journal of Electronic Imaging, 2007, 16, 030501.	0.5	10
31	Smoothing identification for digital image forensics. Multimedia Tools and Applications, 2019, 78, 8225-8245.	2.6	10
32	Hybrid prediction-based pixel-value-ordering method for reversible data hiding. Journal of Visual Communication and Image Representation, 2021, 77, 103097.	1.7	10
33	Estimation of distribution algorithms making use of both high quality and low quality individuals. , 2009, , .		9
34	A Study on the Randomness Measure of Image Hashing. IEEE Transactions on Information Forensics and Security, 2009, 4, 928-932.	4.5	9
35	An improved AQIM watermarking method with minimum-distortion angle quantization and amplitude projection strategy. Information Sciences, 2015, 316, 40-53.	4.0	9
36	$\int_0^{\infty} L_2(x) \mathcal{L}\{f(x)\} dx < \int_0^{\infty} L_2(x) \mathcal{L}\{g(x)\} dx$ filtering for stochastic time-varying delay systems based on the Bessel–Legendre stochastic inequality. Signal Processing, 2018, 145, 26-36.	2.1	8

#	ARTICLE	IF	CITATIONS
37	Weighted visual secret sharing for general access structures based on random grids. Signal Processing: Image Communication, 2021, 92, 116129.	1.8	8
38	Defeating Lattice-Based Data Hiding Code Via Decoding Security Hole. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 76-87.	5.6	7
39	Reversible Data Hiding for Color Images Based on Adaptive 3D Prediction-Error Expansion and Double Deep Q-Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5055-5067.	5.6	7
40	Forensic Analysis of JPEG-Domain Enhanced Images via Coefficient Likelihood Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1006-1019.	5.6	6
41	Truncated Robust Natural Watermarking With Hungarian Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 483-495.	5.6	5
42	Anisotropic virtual electric field for active contours. Pattern Recognition Letters, 2008, 29, 1659-1666.	2.6	4
43	Random Gray code and its performance analysis for image hashing. Signal Processing, 2011, 91, 2178-2193.	2.1	3
44	An improved sample projection approach for image watermarking. , 2014, 24, 135-143.		3
45	An Advanced Texture Analysis Method for Image Sharpening Detection. Lecture Notes in Computer Science, 2016, , 72-82.	1.0	3
46	Stability Analysis for Hybrid Time-Delay Systems With Double Degrees. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7444-7456.	5.9	3
47	Robust shape based active contour for circle detection. Imaging Science Journal, 2008, 56, 175-178.	0.2	2
48	Exponential stability analysis of time-delay systems based on Taylor expansion-based weighted integral inequality. International Journal of Systems Science, 2019, 50, 807-816.	3.7	2
49	Stability analysis of hybrid time-delay systems using homogeneity property. ISA Transactions, 2022, 129, 128-137.	3.1	2
50	Contrast-Enhanced Color Visual Cryptography for (k, n) Threshold Schemes. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-16.	3.0	2
51	Preserving the curve evolution property for the binary level set method. Journal of Electronic Imaging, 2007, 16, 020502.	0.5	1
52	Recursive optimization of spherical watermarking using transportation theory. , 2015, , .		1