

Xuemei Xie

List of Publications by Year in descending order

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79
papers

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citations

516215

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docs citations

79
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Noise Removal via Laplacian Scale Mixture Modeling and Nonlocal Low-Rank Approximation. IEEE Transactions on Image Processing, 2017, 26, 3171-3186.	6.0	121
2	Blind Image Quality Assessment With Active Inference. IEEE Transactions on Image Processing, 2021, 30, 3650-3663.	6.0	50
3	SGM-Net: Skeleton-guided multimodal network for action recognition. Pattern Recognition, 2020, 104, 107356.	5.1	45
4	Feature-fused SSD: fast detection for small objects. , 2018, , .		45
5	Network pruning using sparse learning and genetic algorithm. Neurocomputing, 2020, 404, 247-256.	3.5	42
6	A Novel Just Noticeable Difference Model via Orientation Regularity in DCT Domain. IEEE Access, 2017, 5, 22953-22964.	2.6	40
7	Fully convolutional measurement network for compressive sensing image reconstruction. Neurocomputing, 2019, 328, 105-112.	3.5	39
8	Blind image quality assessment with improved natural scene statistics model. , 2016, 57, 56-65.		36
9	Robust Foreground Estimation via Structured Gaussian Scale Mixture Modeling. IEEE Transactions on Image Processing, 2018, 27, 4810-4824.	6.0	36
10	Multi-layer discriminative dictionary learning with locality constraint for image classification. Pattern Recognition, 2019, 91, 135-146.	5.1	35
11	Image Super-Resolution With Parametric Sparse Model Learning. IEEE Transactions on Image Processing, 2018, 27, 4638-4650.	6.0	30
12	Real-Time Illegal Parking Detection System Based on Deep Learning. , 2017, , .		29
13	Estimation of directions of arrival of multiple distributed sources for nested array. Signal Processing, 2017, 130, 315-322.	2.1	24
14	Bag-of-words feature representation for blind image quality assessment with local quantized pattern. Neurocomputing, 2017, 266, 176-187.	3.5	22
15	Adaptive Measurement Network for CS Image Reconstruction. Communications in Computer and Information Science, 2017, , 407-417.	0.4	22
16	Visualization and Pruning of SSD with the base network VGG16. , 2017, , .		21
17	Narrowband Ultrasonic Detection with High Range Resolution: Separating Echoes via Compressed Sensing and Singular Value Decomposition. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2237-2253.	1.7	19
18	Learning Parametric Distributions for Image Super-Resolution: Where Patch Matching Meets Sparse Coding. , 2015, , .		19

#	ARTICLE	IF	CITATIONS
19	Blind Image Quality Assessment With Joint Entropy Degradation. IEEE Access, 2019, 7, 30925-30936.	2.6	18
20	Nonuniform Directional Filter Banks With Arbitrary Frequency Partitioning. IEEE Transactions on Image Processing, 2011, 20, 283-288.	6.0	17
21	Blind image quality assessment with semantic information. Journal of Visual Communication and Image Representation, 2019, 58, 195-204.	1.7	17
22	High-Resolution Imaging Via Moving Random Exposure and Its Simulation. IEEE Transactions on Image Processing, 2011, 20, 276-282.	6.0	16
23	Off-grid DOA estimation under nonuniform noise via variational sparse Bayesian learning. Signal Processing, 2017, 137, 69-79.	2.1	16
24	Effective Contexts for UAV Vehicle Detection. IEEE Access, 2019, 7, 85042-85054.	2.6	16
25	Design of Linear-Phase Nonuniform Filter Banks With Partial Cosine Modulation. IEEE Transactions on Signal Processing, 2010, 58, 3390-3395.	3.2	15
26	Full Image Recover for Block-Based Compressive Sensing. , 2018, , .		15
27	Design of Directional Filter Banks With Arbitrary Number of Subbands. IEEE Transactions on Signal Processing, 2009, 57, 4936-4941.	3.2	10
28	ROI-CSNet: Compressive sensing network for ROI-aware image recovery. Signal Processing: Image Communication, 2019, 78, 113-124.	1.8	10
29	SISRSet: Single image super-resolution subjective evaluation test and objective quality assessment. Neurocomputing, 2019, 360, 37-51.	3.5	10
30	A Feature-Enhanced Anchor-Free Network for UAV Vehicle Detection. Remote Sensing, 2020, 12, 2729.	1.8	9
31	Knowledge embedded GCN for skeleton-based two-person interaction recognition. Neurocomputing, 2021, 444, 338-348.	3.5	9
32	RFPPruning: A retraining-free pruning method for accelerating convolutional neural networks. Applied Soft Computing Journal, 2021, 113, 107860.	4.1	9
33	Recent Advances and New Design Method in Nonuniform Filter Banks. , 2006, , .		8
34	An Improved Approach for Visualizing Dynamic Vision Sensor and its Video Denoising. , 2017, , .		7
35	Active Inference of GAN for No-Reference Image Quality Assessment. , 2020, , .		7
36	A Hybrid-3D Convolutional Network for Video Compressive Sensing. IEEE Access, 2020, 8, 20503-20513.	2.6	7

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37	DVS image noise removal using K-SVD method. , 2018, , .		7
38	One-shot depth acquisition with a random binary pattern. Applied Optics, 2014, 53, 7095.	0.9	6
39	Square wave encoded fringe patterns for high accuracy depth sensing. Applied Optics, 2015, 54, 3796.	2.1	6
40	An AR based fast mode decision for H.265/HEVC intra coding. Multimedia Tools and Applications, 2017, 76, 13107-13125.	2.6	6
41	Single-Shot Dense Depth Sensing with Color Sequence Coded Fringe Pattern. Sensors, 2017, 17, 2558.	2.1	6
42	Visualizing and understanding of learned compressive sensing with residual network. Neurocomputing, 2019, 359, 185-198.	3.5	6
43	Dual-Channel Reconstruction Network for Image Compressive Sensing. Sensors, 2019, 19, 2549.	2.1	6
44	Bayesian Correlation Filter Learning With Gaussian Scale Mixture Model for Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3085-3098.	5.6	6
45	Perceptual Compressive Sensing. Lecture Notes in Computer Science, 2018, , 268-279.	1.0	5
46	High-resolution multispectral imaging with random coded exposure. Journal of Applied Remote Sensing, 2013, 7, 073695.	0.6	4
47	Reduced-Reference Image Quality Assessment Based on Discrete Cosine Transform Entropy. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 2642-2649.	0.2	4
48	Reduced-reference image quality assessment based on entropy differences in DCT domain. , 2015, , .		4
49	Blind Image Quality Assessment Based on Local Quantized Pattern. Lecture Notes in Computer Science, 2016, , 241-251.	1.0	4
50	A hierarchical multiplier-free architecture for HEVC transform. Multimedia Tools and Applications, 2017, 76, 997-1015.	2.6	4
51	On the study of predictors in Single Shot Multibox Detector. , 2017, , .		4
52	Exploiting class-wise coding coefficients: Learning a discriminative dictionary for pattern classification. Neurocomputing, 2018, 321, 114-125.	3.5	4
53	Domain-aware Stacked AutoEncoders for zero-shot learning. Neurocomputing, 2021, 429, 118-131.	3.5	4
54	Optimal Prototype Filters for Near-Perfect-Reconstruction Cosine-Modulated Filter Banks. Lecture Notes in Computer Science, 2005, , 851-856.	1.0	4

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55	Analysis of realizable rational decimated nonuniform filter banks with direct structure. Progress in Natural Science: Materials International, 2008, 18, 1501-1505.	1.8	3
56	High-resolution ranging method based on low-rate parallel random sampling. , 2012, 22, 219-225.		3
57	Single Shot Dual-Frequency Structured Light Based Depth Sensing. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 384-395.	7.3	3
58	An Improved Signed Digit Representation Approach for Constant Vector Multiplication. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 999-1003.	2.2	3
59	Maximum a posteriori-based depth sensing with a single-shot maze pattern. Optics Express, 2017, 25, 25332.	1.7	3
60	Color Image Reconstruction with Perceptual Compressive Sensing. , 2018, , .		3
61	A Novel Algorithm for Online Spike Detection. MATEC Web of Conferences, 2018, 173, 02017.	0.1	3
62	Correlation filters based on spatial-temporal Gaussian scale mixture modelling for visual tracking. Neurocomputing, 2022, 492, 76-90.	3.5	3
63	Design of nonuniform cosine-modulated filter-banks with the perfect-reconstruction property and arbitrary filter lengths. Progress in Natural Science: Materials International, 2007, 17, 340-345.	1.8	2
64	Method for signal decomposition and denoising based on nonuniform cosine-modulated filter banks. Progress in Natural Science: Materials International, 2008, 18, 1293-1298.	1.8	2
65	Joint Entropy Degradation Based Blind Image Quality Assessment. , 2018, , .		2
66	Human Identification Recognition in Surveillance Videos. , 2019, , .		2
67	Multi-rate Video Compressive Sensing for Fixed Scene Measurement. , 2021, , .		2
68	A Class of Non-redundant Directional Filter Banks. Lecture Notes in Computer Science, 2009, , 982-987.	1.0	1
69	No-reference image quality assessment with orientation selectivity mechanism. , 2017, , .		1
70	Learning Parametric Sparse Models for Heavy Noisy Removal From Images. IEEE Access, 2018, 6, 15823-15834.	2.6	1
71	Real-Time Face Attendance Marking System in Non-cooperative Environments. , 2018, , .		1
72	Small Ball Tracking with Trajectory Prediction. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
73	Two-Stage Body-Part Attention Network for Detecting Human-Object Interactions. , 2020, , .		1
74	Design of M-channel uniform linear-phase filter banks with near-perfect-reconstruction property. , 2012, , .		0
75	A Flexible Directional Image Representation Using Pseudo Polar Fourier Transform Based DFBs. Lecture Notes in Computer Science, 2012, , 686-696.	1.0	0
76	Compressive modulation in digital communication. , 2013, , .		0
77	Compressive spectral imaging using variable number of measurements. Applied Optics, 2015, 54, 5882.	2.1	0
78	Local Feature Analysis for real-time Action Recognition. , 2018, , .		0
79	A Simple Method for Designing 2D M -Channel Near-PR Filter Banks with Linear Phase Property. Lecture Notes in Computer Science, 2006, , 318-328.	1.0	0