

# Xiyuan Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

629  
citations

687220

13  
h-index

677027

22  
g-index

61  
all docs

61  
docs citations

61  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	EMD Revisited: A New Understanding of the Envelope and Resolving the Mode-Mixing Problem in AM-FM Signals. IEEE Transactions on Signal Processing, 2012, 60, 1075-1086.	3.2	121
2	A Network-Based Bioinformatics Approach to Identify Molecular Biomarkers for Type 2 Diabetes that Are Linked to the Progression of Neurological Diseases. International Journal of Environmental Research and Public Health, 2020, 17, 1035.	1.2	52
3	Hyperspectral Imagery Denoising Using a Spatial-Spectral Domain Mixing Prior. Journal of Computer Science and Technology, 2012, 27, 851-861.	0.9	31
4	A New Method Combining LDA and PLS for Dimension Reduction. PLoS ONE, 2014, 9, e96944.	1.1	30
5	Bioinformatics Methodologies to Identify Interactions Between Type 2 Diabetes and Neurological Comorbidities. IEEE Access, 2019, 7, 183948-183970.	2.6	26
6	Bioinformatics and machine learning methodologies to identify the effects of central nervous system disorders on glioblastoma progression. Briefings in Bioinformatics, 2021, 22, .	3.2	24
7	Multicomponent AM-FM signal separation and demodulation with null space pursuit. Signal, Image and Video Processing, 2013, 7, 1093-1102.	1.7	21
8	Adaptive Integral Operators for Signal Separation. IEEE Signal Processing Letters, 2015, 22, 1383-1387.	2.1	19
9	Asymmetric CycleGAN for image-to-image translations with uneven complexities. Neurocomputing, 2020, 415, 114-122.	3.5	18
10	Blind motion deblurring using optical flow. Optik, 2015, 126, 87-94.	1.4	17
11	Sparse representation-based ECG signal enhancement and QRS detection. Physiological Measurement, 2016, 37, 2093-2110.	1.2	17
12	PCA-SRGAN: Incremental Orthogonal Projection Discrimination for Face Super-resolution. , 2020, , .		16
13	Single color image dehazing using sparse priors. , 2010, , .		14
14	Complex-valued differential operator-based method for multi-component signal separation. Signal Processing, 2017, 132, 66-76.	2.1	14
15	Accurate AM-FM signal demodulation and separation using nonparametric regularization method. Signal Processing, 2021, 186, 108131.	2.1	14
16	ESTIMATION OF INSTANTANEOUS FREQUENCY PARAMETERS OF THE OPERATOR-BASED SIGNAL SEPARATION METHOD. Advances in Adaptive Data Analysis, 2009, 01, 573-586.	0.6	13
17	From Groups to Co-Traveler Sets: Pair Matching Based Person Re-identification Framework. , 2017, , .		13
18	Asymmetric Cyclegan for Unpaired NIR-to-RGB Face Image Translation. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
19	Dense Semantic and Topological Correspondence of 3D Faces without Landmarks. Lecture Notes in Computer Science, 2018, , 541-558.	1.0	10
20	Operator based multicomponent AM-FM signal separation approach. , 2011, , .		9
21	A lighting robust fitting approach of 3D morphable model for face reconstruction. Visual Computer, 2016, 32, 1223-1238.	2.5	9
22	SnoreNet: Detecting Snore Events from Raw Sound Recordings. , 2019, 2019, 4977-4981.		9
23	Progressive Bilateral-Context Driven Model for Post-Processing Person Re-Identification. IEEE Transactions on Multimedia, 2021, 23, 1239-1251.	5.2	9
24	Single image blind deblurring with image decomposition. , 2012, , .		8
25	Sharp image estimation from a depth-involved motion-blurred image. Neurocomputing, 2016, 171, 1185-1192.	3.5	8
26	Automatic classification of excitation location of snoring sounds. Journal of Clinical Sleep Medicine, 2021, 17, 1031-1038.	1.4	8
27	Amplitude spectrum trend-based feature for excitation location classification from snore sounds. Physiological Measurement, 2020, 41, 085006.	1.2	8
28	Super Resolution Reconstruction via Multiple Frames Joint Learning. , 2011, , .		7
29	Towards fast and kernelized orthogonal discriminant analysis on person re-identification. Pattern Recognition, 2019, 94, 218-229.	5.1	7
30	Single-Image Blind Deblurring for Non-uniform Camera-Shake Blur. Lecture Notes in Computer Science, 2013, , 336-348.	1.0	7
31	Boosting Local Shape Matching for Dense 3D Face Correspondence. , 2019, , .		6
32	An operator-based and sparsity-based approach to adaptive signal separation. , 2013, , .		5
33	Denoising and baseline correction of ECG signals using sparse representation. , 2015, , .		5
34	A Lighting Robust Fitting Approach of 3D Morphable Model Using Spherical Harmonic Illumination. , 2014, , .		4
35	Learning adaptive interpolation kernels for fast single-image super resolution. Signal, Image and Video Processing, 2014, 8, 1077-1086.	1.7	4
36	Towards effective learning for face super-resolution with shape and pose perturbations. Knowledge-Based Systems, 2021, 220, 106938.	4.0	4

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37	Facial image super-resolution guided by adaptive geometric features. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	4
38	Multiple component predictive coding framework of still images. , 2011, , .		3
39	Single image super-resolution in compressed domain based on field of expert prior. , 2012, , .		3
40	Face spoofing detection based on 3D lighting environment analysis of image pair. , 2016, , .		3
41	BACK PROJECTION STRATEGY FOR SOLVING MODE MIXING PROBLEM. International Journal of Wavelets, Multiresolution and Information Processing, 2012, 10, 1250031.	0.9	2
42	Illuminating Vehicles With Motion Priors For Surveillance Vehicle Detection. , 2020, , .		2
43	Robust Image Deblurring Using Hyper Laplacian Model. Lecture Notes in Computer Science, 2013, , 49-60.	1.0	2
44	Denoising of hyperspectral imagery using a spatial-spectral domain mixing prior. , 2012, , .		1
45	Map-Based Denoising of Hyperspectral Imagery Using 3-D Edge-Preserving Priors. , 2012, , .		1
46	MULTIPLE COMPONENT PREDICTIVE CODING OF IMAGES. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350012.	0.9	1
47	Antiringing image deblurring approach using frequency domain relative error. Journal of Electronic Imaging, 2014, 23, 013015.	0.5	1
48	Multi-operator based signal separation approach. , 2016, , .		1
49	Apnea and Hypopnea Events Classification Using Amplitude Spectrum Trend Feature of Snores. , 2018, 2018, 6036-6039.		1
50	Region-specific Metric Learning for Person Re-identification. , 2018, , .		1
51	Plug-and-Play Based Optimization Algorithm for New Crime Density Estimation. Journal of Computer Science and Technology, 2019, 34, 476-493.	0.9	1
52	Deep Top-rank Counter Metric for Person Re-identification. , 2021, , .		1
53	Fast Single Image Super Resolution Reconstruction via Image Separation. Journal of Networks, 2014, 9, .	0.4	1
54	Improving Object Detection with Consistent Negative Sample Mining. Lecture Notes in Computer Science, 2019, , 237-247.	1.0	1

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55	CNQ: Compressor-Based Non-uniform Quantization of Deep Neural Networks. Chinese Journal of Electronics, 2020, 29, 1126-1133.	0.7	1
56	An integral operator based adaptive signal separation approach. , 2013, , .		0
57	Compressed image deblurring. Journal of Electronic Imaging, 2014, 23, 023020.	0.5	0
58	Frontal electroencephalogram analysis with ensemble empirical mode decomposition during the induction of general anesthesia. Biomedical Physics and Engineering Express, 2016, 2, 065004.	0.6	0
59	An Adaptive Pointwise P-norm Regularization for Image Deconvolution. , 2019, , .		0
60	Ranking Loss: A Novel Metric Learning Method for Person Re-identification. Lecture Notes in Computer Science, 2019, , 381-397.	1.0	0