

Xiaohai He

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1628535/xiaohai-he-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

947
citations

18
h-index

25
g-index

128
ext. papers

1,311
ext. citations

3.4
avg, IF

4.92
L-index

#	Paper	IF	Citations
112	Single Image Super-Resolution Using Local Geometric Duality and Non-Local Similarity. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 2168-86	8.7	43
111	CT-image of rock samples super resolution using 3D convolutional neural network. <i>Computers and Geosciences</i> , 2019 , 133, 104314	4.5	40
110	Accelerating multi-point statistics reconstruction method for porous media via deep learning. <i>Acta Materialia</i> , 2018 , 159, 296-308	8.4	39
109	Reconstruction of three-dimensional porous media from a single two-dimensional image using three-step sampling. <i>Physical Review E</i> , 2015 , 91, 013308	2.4	37
108	Stable-phase method for hierarchical annealing in the reconstruction of porous media images. <i>Physical Review E</i> , 2014 , 89, 013305	2.4	35
107	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 1702-1717	6.6	34
106	Reconstruction of porous media from extremely limited information using conditional generative adversarial networks. <i>Physical Review E</i> , 2019 , 100, 033308	2.4	32
105	Discriminative analysis of multivariate features from structural MRI and diffusion tensor images. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1043-51	3.3	30
104	Single Image Super-Resolution via Adaptive High-Dimensional Non-Local Total Variation and Adaptive Geometric Feature. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 90-106	8.7	29
103	An end-to-end three-dimensional reconstruction framework of porous media from a single two-dimensional image based on deep learning. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 368, 113043	5.7	27
102	DPW-SDNet: Dual Pixel-Wavelet Domain Deep CNNs for Soft Decoding of JPEG-Compressed Images 2018 ,		25
101	Evaluation of Cross-Protocol Stability of a Fully Automated Brain Multi-Atlas Parcellation Tool. <i>PLoS ONE</i> , 2015 , 10, e0133533	3.7	24
100	CISRDCNN: Super-resolution of compressed images using deep convolutional neural networks. <i>Neurocomputing</i> , 2018 , 285, 204-219	5.4	23
99	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 1305-1320	6.6	22
98	Pattern density function for reconstruction of three-dimensional porous media from a single two-dimensional image. <i>Physical Review E</i> , 2016 , 93, 012140	2.4	21
97	Video Super-Resolution via Residual Learning. <i>IEEE Access</i> , 2018 , 6, 23767-23777	3.5	21
96	Real-world single image super-resolution: A brief review. <i>Information Fusion</i> , 2022 , 79, 124-145	16.7	20

95	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 731-745	6.6	19
94	Enhanced Non-Local Total Variation Model and Multi-Directional Feature Prediction Prior for Single Image Super Resolution. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3778-3793	8.7	18
93	Adaptive Consistency Prior based Deep Network for Image Denoising 2021 ,		18
92	Improved multipoint statistics method for reconstructing three-dimensional porous media from a two-dimensional image via porosity matching. <i>Physical Review E</i> , 2018 , 97, 063304	2.4	18
91	Super-resolution of real-world rock microcomputed tomography images using cycle-consistent generative adversarial networks. <i>Physical Review E</i> , 2020 , 101, 023305	2.4	17
90	An efficient approach for differentiating Alzheimer's disease from normal elderly based on multicenter MRI using gray-level invariant features. <i>PLoS ONE</i> , 2014 , 9, e105563	3.7	17
89	Single image super resolution using local smoothness and nonlocal self-similarity priors. <i>Signal Processing: Image Communication</i> , 2016 , 43, 68-81	2.8	14
88	A novel social distancing analysis in urban public space: A new online spatio-temporal trajectory approach. <i>Sustainable Cities and Society</i> , 2021 , 68, 102765	10.1	14
87	Slice-to-voxel stochastic reconstructions on porous media with hybrid deep generative model. <i>Computational Materials Science</i> , 2021 , 186, 110018	3.2	14
86	Sparse representation-based volumetric super-resolution algorithm for 3D CT images of reservoir rocks. <i>Journal of Applied Geophysics</i> , 2017 , 144, 69-77	1.7	13
85	A fast inter-prediction algorithm for HEVC based on temporal and spatial correlation. <i>Multimedia Tools and Applications</i> , 2015 , 74, 11023-11043	2.5	13
84	Deep Wide-Activated Residual Network Based Joint Blocking and Color Bleeding Artifacts Reduction for 4:2:0 JPEG-Compressed Images. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 79-83	3.2	13
83	Multiple-point statistics method based on array structure for 3D reconstruction of Fontainebleau sandstone. <i>Journal of Petroleum Science and Engineering</i> , 2012 , 100, 71-80	4.4	12
82	Nonlocal Similarity Modeling and Deep CNN Gradient Prior for Super Resolution. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 916-920	3.2	11
81	Rotation expanded dictionary-based single image super-resolution. <i>Neurocomputing</i> , 2016 , 216, 1-17	5.4	11
80	Dictionary optimization and constraint neighbor embedding-based dictionary mapping for superdimension reconstruction of porous media. <i>Physical Review E</i> , 2019 , 99, 062134	2.4	11
79	From Eyes to Face Synthesis: a New Approach for Human-Centered Smart Surveillance. <i>IEEE Access</i> , 2018 , 6, 14567-14575	3.5	10
78	Robust distributed video coding for wireless multimedia sensor networks. <i>Multimedia Tools and Applications</i> , 2018 , 77, 4453-4475	2.5	10

77	Markov prior-based block-matching algorithm for superdimension reconstruction of porous media. <i>Physical Review E</i> , 2018 , 97, 043306	2.4	9
76	SGCRSR: Sequential gradient constrained regression for single image super-resolution. <i>Signal Processing: Image Communication</i> , 2018 , 66, 1-18	2.8	9
75	A reconstruction method for three-dimensional pore space using multiple-point geology statistic based on statistical pattern recognition and microstructure characterization. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013 , 37, 97-110	4	9
74	An Improved Iterative Back-Projection Algorithm for Video Super-Resolution Reconstruction 2010 ,		9
73	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 3010-3023	6.6	7
72	Reconstruction algorithm using exact tree projection for tree-structured compressive sensing. <i>IET Signal Processing</i> , 2016 , 10, 566-573	1.7	7
71	Capturing the symptoms of malicious code in electronic documents by file entropy signal combined with machine learning. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105598	7.5	7
70	Reduction of JPEG compression artifacts based on DCT coefficients prediction. <i>Neurocomputing</i> , 2020 , 384, 335-345	5.4	6
69	Learning Image Profile Enhancement and Denoising Statistics Priors for Single-Image Super-Resolution. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3535-3548	10.2	5
68	A New Framework for Container Code Recognition by Using Segmentation-Based and HMM-Based Approaches. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015 , 29, 1550004	1.1	5
67	A New Regularized Matrix Discriminant Analysis (R-MDA) Enabled Human-Centered EEG Monitoring Systems. <i>IEEE Access</i> , 2018 , 6, 13911-13920	3.5	5
66	Adaptive bit allocation scheme for extremely low-delay intraframe rate control in high efficiency video coding. <i>Journal of Electronic Imaging</i> , 2016 , 25, 043008	0.7	5
65	Joint Entity and Relation Extraction Based on Reinforcement Learning. <i>IEEE Access</i> , 2019 , 7, 125688-125699	5.9	5
64	3D MRI image super-resolution for brain combining rigid and large diffeomorphic registration. <i>IET Image Processing</i> , 2017 , 11, 1291-1301	1.7	5
63	Texture-intensity-based fast coding unit size determination method for high-efficiency video coding intracoding. <i>Journal of Electronic Imaging</i> , 2014 , 23, 053005	0.7	5
62	EyesGAN: Synthesize human face from human eyes. <i>Neurocomputing</i> , 2020 , 404, 213-226	5.4	5
61	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1488-1502	6.4	4
60	Evaluating the morphological completeness of a training image. <i>Physical Review E</i> , 2017 , 95, 053306	2.4	4

59	Hidden-Markov-Model-Based Segmentation Confidence Applied to Container Code Character Extraction. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2011 , 12, 1147-1156	6.1	4
58	Diagnosis of Alzheimer's disease based on regional attention with sMRI gray matter slices. <i>Journal of Neuroscience Methods</i> , 2022 , 365, 109376	3	4
57	Single image super-resolution based on deep learning and gradient transformation 2016 ,		4
56	Visible Infrared Cross-Modality Person Re-Identification Network Based on Adaptive Pedestrian Alignment. <i>IEEE Access</i> , 2019 , 7, 171485-171494	3.5	4
55	An improved R-rate control model based on joint spatial-temporal domain information and HVS characteristics. <i>Multimedia Tools and Applications</i> , 2021 , 80, 345-366	2.5	4
54	Adaptive Gradient Information and BFGS Based Inter Frame Rate Control for High Efficiency Video Coding. <i>Multimedia Tools and Applications</i> , 2018 , 77, 14557-14577	2.5	4
53	A Novel Solution to the Cognitive Radio Decision Engine Based on Improved Multi-Objective Artificial Bee Colony Algorithm and Fuzzy Reasoning. <i>Intelligent Automation and Soft Computing</i> , 2017 , 23, 643-651	2.6	3
52	Single Remote Sensing Image Super-Resolution with an Adaptive Joint Constraint Model. <i>Sensors</i> , 2020 , 20,	3.8	3
51	Low bit rates image compression via adaptive block downsampling and super resolution. <i>Journal of Electronic Imaging</i> , 2016 , 25, 013004	0.7	3
50	Image Super-resolution Reconstruction Based on Sub-pixel Registration and Iterative Back Projection 2008 ,		3
49	A quality enhancement framework with noise distribution characteristics for high efficiency video coding. <i>Neurocomputing</i> , 2020 , 411, 428-441	5.4	3
48	Adaptive image coding efficiency enhancement using deep convolutional neural networks. <i>Information Sciences</i> , 2020 , 524, 298-317	7.7	2
47	Content-based group-of-picture size control in distributed video coding. <i>Signal Processing: Image Communication</i> , 2014 , 29, 332-344	2.8	2
46	Tree-structured Bayesian compressive sensing via generalised inverse Gaussian distribution. <i>IET Signal Processing</i> , 2017 , 11, 250-257	1.7	2
45	Measuring Crowd Collectiveness via Compressive Sensing. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2015 , E98.A, 2263-2266	0.4	2
44	Measuring Collectiveness in Crowded Scenes via Link Prediction. <i>IEICE Transactions on Information and Systems</i> , 2015 , E98.D, 1617-1620	0.6	2
43	BPGAN: Brain PET synthesis from MRI using generative adversarial network for multi-modal Alzheimer's disease diagnosis.. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 217, 106676	6.9	2
42	Image deblocking via joint domain learning. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	2

41	Gray matter alteration in heroin-dependent men: An atlas-based magnetic resonance imaging study. <i>Psychiatry Research - Neuroimaging</i> , 2020 , 304, 111150	2.9	2
40	Zero-shot recognition with latent visual attributes learning. <i>Multimedia Tools and Applications</i> , 2020 , 79, 27321-27335	2.5	2
39	Visual Perception Enhancement for HEVC Compressed Video Using a Generative Adversarial Network 2020 ,		2
38	Remote sensing image recovery via enhanced residual learning and dual-luminance scheme. <i>Knowledge-Based Systems</i> , 2021 , 222, 107013	7.3	2
37	Machine learning-based H.264/AVC to HEVC transcoding via motion information reuse and coding mode similarity analysis. <i>IET Image Processing</i> , 2019 , 13, 34-43	1.7	2
36	Enhanced Separable Convolution Network for Lightweight JPEG Compression Artifacts Reduction. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1280-1284	3.2	2
35	Scalable Distributed Video Coding for Wireless Video Sensor Networks. <i>IEICE Transactions on Information and Systems</i> , 2018 , E101.D, 20-27	0.6	2
34	Long-Range Motion Trajectories Extraction of Articulated Human Using Mesh Evolution. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 507-511	3.2	1
33	A Fast DVC to HEVC Transcoding for Mobile Video Communication 2019 ,		1
32	Subframe video synchronization by matching trajectories 2013 ,		1
31	A two-stage deep generative adversarial quality enhancement network for real-world 3D CT images. <i>Expert Systems With Applications</i> , 2022 , 193, 116440	7.8	1
30	Lightweight deep residual network for alzheimer's disease classification using sMRI slices. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 1-9	1.6	1
29	Super-resolution of compressed images using enhanced attention network. <i>Journal of Electronic Imaging</i> , 2021 , 30,	0.7	1
28	Extracting relational facts based on hybrid Syntax-Guided transformer and pointer network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 12167-12183	1.6	1
27	Video super-resolution using joint regularization 2016 ,		1
26	Deep recursive network for image denoising with global non-linear smoothness constraint prior. <i>Neurocomputing</i> , 2021 , 426, 147-161	5.4	1
25	An enhanced siamese angular softmax network with dual joint-attention for person re-identification. <i>Applied Intelligence</i> , 2021 , 51, 6148-6166	4.9	1
24	Compressed image restoration via deep deblocker driven unified framework. <i>Knowledge-Based Systems</i> , 2021 , 228, 107268	7.3	1

23	Weakly-supervised contrastive learning-based implicit degradation modeling for blind image super-resolution. <i>Knowledge-Based Systems</i> , 2022 , 108984	7.3	1
22	Multiscale modeling algorithm for core images. <i>Physical Review E</i> , 2020 , 101, 053303	2.4	0
21	Towards Information Ecosystem for Urban Planning The Application of Video Data. <i>Proceedings (mdpi)</i> , 2017 , 1, 153	0.3	0
20	Application of Machine Vision in Classifying Gait Frailty Among Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 757823	5.3	0
19	Feature separation and double causal comparison loss for visible and infrared person re-identification. <i>Knowledge-Based Systems</i> , 2022 , 239, 108042	7.3	0
18	An experimental study of relative total variation and probabilistic collaborative representation for iris recognition. <i>Multimedia Tools and Applications</i> , 2020 , 79, 31783-31801	2.5	0
17	Reconstruction of 3D greyscale image for reservoir rock from a single image based on pattern dictionary. <i>Journal of Microscopy</i> , 2021 , 283, 202-218	1.9	0
16	UAMNer: uncertainty-aware multimodal named entity recognition in social media posts. <i>Applied Intelligence</i> , 1	4.9	0
15	Cross-modal multi-relationship aware reasoning for image-text matching. <i>Multimedia Tools and Applications</i> , 1	2.5	0
14	Unsupervised Real-World Image Super-Resolution via Dual Synthetic-to-Realistic and Realistic-to-Synthetic Translations. <i>IEEE Signal Processing Letters</i> , 2022 , 1-1	3.2	0
13	Error Resilient Video Coding for Wireless Visual Sensor Network Proceedings (mdpi), 2017 , 1, 134	0.3	
12	Error Resilient Video Coding for Wireless Visual Sensor Network. <i>Proceedings (mdpi)</i> , 2017 , 1, 134	0.3	
11	Mobile Video Communications Based on Cloud Transcoding. <i>Proceedings (mdpi)</i> , 2017 , 1, 143	0.3	
10	Progressively refined scheme for wireless video sensor networks. <i>Signal, Image and Video Processing</i> , 1	1.6	
9	Research on compression performance of ultrahigh-definition videos. <i>Journal of Electronic Imaging</i> , 2017 , 26, 1	0.7	
8	Image compression via multiple sampling-rate downsampling and super-resolution upconversion. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	
7	Super-resolution for remote sensing images via dual-domain network learning. <i>Journal of Electronic Imaging</i> , 2019 , 28, 1	0.7	
6	A Jointly Optimized Predictive-Adaptive Partitioned Block Transform for Video Coding. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2013 , E96.A, 2161-2168	0.4	

- 5 A New Progressively Refined Wyner-Ziv Video Coding for Low-Power Human-Centered Telehealth. *IEEE Access*, **2018**, 6, 38315-38325 3.5
- 4 Enhanced wide-activated residual network for efficient and accurate image deblocking. *Signal Processing: Image Communication*, **2021**, 96, 116283 2.8
- 3 A video compression artifact reduction approach combined with quantization parameters estimation. *Journal of Supercomputing*,1 2.5
- 2 A nonlocal HEVC in-loop filter using CNN-based compression noise estimation. *Applied Intelligence*,1 4.9
- 1 Sequential Enhancement for Compressed Video Using Deep Convolutional Generative Adversarial Network. *Neural Processing Letters*,1 2.4