

Xiaomin

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,640
citations

394421

19
h-index

477307

29
g-index

89
all docs

89
docs citations

89
times ranked

1316
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hierarchical Progressive Network for Multimodal Medical Image Fusion in Healthcare Systems. IEEE Transactions on Computational Social Systems, 2023, 10, 1540-1558. | 4.4 | 1 |
| 2 | Global and local fusion ensemble network for facial expression recognition. Multimedia Tools and Applications, 2023, 82, 5473-5494. | 3.9 | 4 |
| 3 | Medical image super-resolution with laplacian dense network. Multimedia Tools and Applications, 2022, 81, 3131-3144. | 3.9 | 3 |
| 4 | Aerial image super-resolution based on deep recursive dense network for disaster area surveillance. Personal and Ubiquitous Computing, 2022, 26, 1205-1214. | 2.8 | 5 |
| 5 | Supporting autism spectrum disorder screening and intervention with machine learning and wearables: a systematic literature review. Complex & Intelligent Systems, 2022, 8, 3659-3674. | 6.5 | 12 |
| 6 | Multi-focus images fusion via residual generative adversarial network. Multimedia Tools and Applications, 2022, 81, 12305-12323. | 3.9 | 3 |
| 7 | Gradient Guided Pyramidal Convolution Residual Network with Interactive Connections for Pan-sharpening. International Journal of Remote Sensing, 2022, 43, 5572-5602. | 2.9 | 4 |
| 8 | Wide receptive field networks for single image super-resolution. Multimedia Tools and Applications, 2022, 81, 4859-4876. | 3.9 | 2 |
| 9 | FPPN: fast pixel purification network for single-image super-resolution. Multimedia Systems, 2022, 28, 281-293. | 4.7 | 0 |
| 10 | Lightweight refined networks for single image super-resolution. Multimedia Tools and Applications, 2022, 81, 3439-3458. | 3.9 | 3 |
| 11 | ArbRPN: A Bidirectional Recurrent Pansharpening Network for Multispectral Images With Arbitrary Numbers of Bands. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18. | 6.3 | 7 |
| 12 | Conjugate gradient-based FLANN algorithms in nonlinear active noise control. Journal of the Franklin Institute, 2022, 359, 4468-4488. | 3.4 | 4 |
| 13 | Tukey's Biweight M-Estimate With Conjugate Gradient Adaptive Learning. IEEE Signal Processing Letters, 2022, 29, 1117-1121. | 3.6 | 8 |
| 14 | Pansharpening multispectral remote sensing images with guided filter for monitoring impact of human behavior on environment. Concurrency Computation Practice and Experience, 2021, 33, e5074. | 2.2 | 17 |
| 15 | Coupled GAN With Relativistic Discriminators for Infrared and Visible Images Fusion. IEEE Sensors Journal, 2021, 21, 7458-7467. | 4.7 | 61 |
| 16 | SEDRFuse: A Symmetric Encoder-Decoder With Residual Block Network for Infrared and Visible Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15. | 4.7 | 88 |
| 17 | A survey on active noise control in the past decade-Part II: Nonlinear systems. Signal Processing, 2021, 181, 107929. | 3.7 | 47 |
| 18 | Real-time and effective pan-sharpening for remote sensing using multi-scale fusion network. Journal of Real-Time Image Processing, 2021, 18, 1635-1651. | 3.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A lightweight iterative error reconstruction network for infrared image super-resolution in smart grid. <i>Sustainable Cities and Society</i> , 2021, 66, 102520. | 10.4 | 9 |
| 20 | Gradient information distillation network for real-time single-image super-resolution. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 333-344. | 3.5 | 12 |
| 21 | Security Risk Modeling in Smart Grid Critical Infrastructures in the Era of Big Data and Artificial Intelligence. <i>Sustainability</i> , 2021, 13, 3196. | 3.2 | 50 |
| 22 | Infrared and visible image fusion via rolling guidance filter and convolutional sparse representation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 10603-10616. | 1.4 | 6 |
| 23 | Real-Time Environment Monitoring Using a Lightweight Image Super-Resolution Network. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5890. | 2.6 | 2 |
| 24 | Efficient local cascading residual network for real-time single image super-resolution. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1235-1246. | 3.5 | 6 |
| 25 | A lightweight multi-scale feature integration network for real-time single image super-resolution. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1221-1234. | 3.5 | 5 |
| 26 | Gradient-based multi-focus image fusion method using convolution neural network. <i>Computers and Electrical Engineering</i> , 2021, 92, 107174. | 4.8 | 4 |
| 27 | A survey on active noise control in the past decade—Part I: Linear systems. <i>Signal Processing</i> , 2021, 183, 108039. | 3.7 | 70 |
| 28 | Two-pathway attention network for real-time facial expression recognition. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1173-1182. | 3.5 | 8 |
| 29 | Lightweight network with one-shot aggregation for image super-resolution. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1275-1284. | 3.5 | 7 |
| 30 | Interactive Knowledge Distillation for image classification. <i>Neurocomputing</i> , 2021, 449, 411-421. | 5.9 | 12 |
| 31 | LMSN:a lightweight multi-scale network for single image super-resolution. <i>Multimedia Systems</i> , 2021, 27, 845-856. | 4.7 | 4 |
| 32 | Fuzzy-Logic Adapted for LMS Algorithm Based on q-Gradient. , 2021, , . | | 0 |
| 33 | Multiscale channel attention network for infrared and visible image fusion. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6155. | 2.2 | 3 |
| 34 | Improving resolution of medical images with deep dense convolutional neural network. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5084. | 2.2 | 19 |
| 35 | Clustering based multiple branches deep networks for single image super-resolution. <i>Multimedia Tools and Applications</i> , 2020, 79, 9019-9035. | 3.9 | 3 |
| 36 | Deep recursive up-down sampling networks for single image super-resolution. <i>Neurocomputing</i> , 2020, 398, 377-388. | 5.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | A Real-Time Super-Resolution Method Based on Convolutional Neural Networks. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 805-817. | 2.0 | 8 |
| 38 | A Novel Infrared Image Enhancement Based on Correlation Measurement of Visible Image for Urban Traffic Surveillance Systems. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020, 24, 290-303. | 4.2 | 8 |
| 39 | Affine Projection Algorithm-Based High-Order Error Power for Partial Discharge Denoising in Power Cables. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1821-1832. | 4.7 | 15 |
| 40 | Recursive second-order Volterra filter based on Dawson function for chaotic memristor system identification. <i>Nonlinear Dynamics</i> , 2020, 99, 3123-3142. | 5.2 | 12 |
| 41 | Medical image fusion method by using Laplacian pyramid and convolutional sparse representation. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5632. | 2.2 | 33 |
| 42 | Model Compression for IoT Applications in Industry 4.0 via Multiscale Knowledge Transfer. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6013-6022. | 11.3 | 25 |
| 43 | An adaptive anchored neighborhood regression method for medical image enhancement. <i>Multimedia Tools and Applications</i> , 2020, 79, 10533-10550. | 3.9 | 7 |
| 44 | Behavior of the LMS algorithm with hyperbolic secant cost. <i>Journal of the Franklin Institute</i> , 2020, 357, 1943-1960. | 3.4 | 22 |
| 45 | Image super-resolution with parallel convolution attention network. <i>Concurrency Computation Practice and Experience</i> , 2020, , e6109. | 2.2 | 0 |
| 46 | An empirical evaluation of random transformations applied to ensemble clustering. <i>Multimedia Tools and Applications</i> , 2020, 79, 34253-34285. | 3.9 | 1 |
| 47 | An image super-resolution method for better cognition of images in cognition computing system. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 8043-8055. | 1.4 | 1 |
| 48 | Multifocus image fusion using convolutional neural network. <i>Multimedia Tools and Applications</i> , 2020, 79, 34531-34543. | 3.9 | 9 |
| 49 | Two-Path Network with Feedback Connections for Pan-Sharpener in Remote Sensing. <i>Remote Sensing</i> , 2020, 12, 1674. | 4.0 | 15 |
| 50 | A trusted medical image super-resolution method based on feedback adaptive weighted dense network. <i>Artificial Intelligence in Medicine</i> , 2020, 106, 101857. | 6.5 | 27 |
| 51 | Entropy-Based Image Fusion with Joint Sparse Representation and Rolling Guidance Filter. <i>Entropy</i> , 2020, 22, 118. | 2.2 | 16 |
| 52 | Implementing real-time RCF-Retinex image enhancement method using CUDA. <i>Journal of Real-Time Image Processing</i> , 2019, 16, 115-125. | 3.5 | 12 |
| 53 | Recursive Geman-McClure Estimator for Implementing Second-Order Volterra Filter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019, 66, 1272-1276. | 3.0 | 28 |
| 54 | Self-regularized nonlinear diffusion algorithm based on levenberg gradient descent. <i>Signal Processing</i> , 2019, 163, 107-114. | 3.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Multifocus image fusion using random forest and hidden Markov model. <i>Soft Computing</i> , 2019, 23, 9385-9396. | 3.6 | 6 |
| 56 | An image fusion algorithm of infrared and visible imaging sensors for cyber-physical systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 4277-4291. | 1.4 | 7 |
| 57 | Medical image super-resolution for remote medical diagnosis in smart city: A case study based on the new healthcare reform of China. <i>Sustainable Cities and Society</i> , 2019, 48, 101497. | 10.4 | 5 |
| 58 | Power-of-Two Quantizer FLANN Filter for Nonlinear Active Noise Control. , 2019, , . | | 1 |
| 59 | Feedback Network for Image Super-Resolution. , 2019, , . | | 498 |
| 60 | A system based on Hadoop for radar data analysis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 3899-3913. | 4.9 | 1 |
| 61 | Time delay Chebyshev functional link artificial neural network. <i>Neurocomputing</i> , 2019, 329, 153-164. | 5.9 | 24 |
| 62 | A fast single-image super-resolution method implemented with CUDA. <i>Journal of Real-Time Image Processing</i> , 2019, 16, 81-97. | 3.5 | 14 |
| 63 | Automatically detecting rigidly and nonrigidly deformed facial landmarks from coarseness to fineness. <i>Journal of Electronic Imaging</i> , 2019, 28, 1. | 0.9 | 2 |
| 64 | Multi-Semi-Couple Super-Resolution Method for Edge Computing. <i>IEEE Access</i> , 2018, 6, 5511-5520. | 4.2 | 9 |
| 65 | Multiple dictionary pairs learning and sparse representation-based infrared image super-resolution with improved fuzzy clustering. <i>Soft Computing</i> , 2018, 22, 1385-1398. | 3.6 | 24 |
| 66 | Multi-scale image fusion through rolling guidance filter. <i>Future Generation Computer Systems</i> , 2018, 83, 310-325. | 7.5 | 58 |
| 67 | Long-Distance Object Recognition With Image Super Resolution: A Comparative Study. <i>IEEE Access</i> , 2018, 6, 13429-13438. | 4.2 | 22 |
| 68 | Parallel Heat Kernel Volume Based Local Binary Pattern on Multi-Orientation Planes for Face Representation. <i>International Journal of Parallel Programming</i> , 2018, 46, 943-962. | 1.5 | 1 |
| 69 | Retinex-based image enhancement framework by using region covariance filter. <i>Soft Computing</i> , 2018, 22, 1399-1420. | 3.6 | 21 |
| 70 | Medical image super-resolution by using multi-dictionary and random forest. <i>Sustainable Cities and Society</i> , 2018, 37, 358-370. | 10.4 | 29 |
| 71 | Multi-Focus Image Fusion Method for Vision Sensor Systems via Dictionary Learning with Guided Filter. <i>Sensors</i> , 2018, 18, 2143. | 3.8 | 20 |
| 72 | A sparse representation based pansharpening method. <i>Future Generation Computer Systems</i> , 2018, 88, 385-399. | 7.5 | 15 |

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|----|--|-----|-----------|
| 73 | Multi-sensor image super-resolution with fuzzy cluster by using multi-scale and multi-view sparse coding for infrared image. Multimedia Tools and Applications, 2017, 76, 24871-24902. | 3.9 | 13 |
| 74 | A novel scheme for infrared image enhancement by using weighted least squares filter and fuzzy plateau histogram equalization. Multimedia Tools and Applications, 2017, 76, 24789-24817. | 3.9 | 6 |
| 75 | A new framework for remote sensing image super-resolution: Sparse representation-based method by processing dictionaries with multi-type features. Journal of Systems Architecture, 2016, 64, 63-75. | 4.3 | 23 |
| 76 | An Adaptive Pansharpening Method by Using Weighted Least Squares Filter. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 18-22. | 3.1 | 35 |
| 77 | A New Framework for Infrared Image Enhancement. , 2015, , . | | 1 |
| 78 | Infrared Image Super-Resolution by Using Sparse Dictionary and Nonsubsampled Contourlet Transform. , 2015, , . | | 0 |
| 79 | Infrared Image Recovery from Visible Image by Using Multi-scale and Multi-view Sparse Representation. , 2015, , . | | 1 |
| 80 | Decoding line structured light patterns by using Fourier analysis. Optical Engineering, 2015, 54, 073109. | 1.0 | 6 |
| 81 | Hybrid coding strategy for SNR improvement in 3-step phase measuring profilometry. , 2015, , . | | 2 |
| 82 | Remote Sensing Images Super-resolution Based on Sparse Dictionaries and Residual Dictionaries. , 2013, , . | | 12 |
| 83 | Hidden-Markov-Model-Based Segmentation Confidence Applied to Container Code Character Extraction. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 1147-1156. | 8.0 | 7 |
| 84 | Image Super-resolution Reconstruction Based on Sub-pixel Registration and Iterative Back Projection. , 2008, , . | | 3 |
| 85 | Handwritten Numeral Recognition by Model Reconstruction Based on Manifold Learning. , 2008, , . | | 5 |
| 86 | Pansharpening using a guided image filter based on dual-scale detail extraction. Journal of Ambient Intelligence and Humanized Computing, 0, , 1. | 4.9 | 2 |
| 87 | LNMF: lightweight network for multi-focus image fusion. Multimedia Tools and Applications, 0, , 1. | 3.9 | 1 |
| 88 | Closed-loop Feedback Network with Cross Back-Projection for Lightweight Image Super-Resolution. Journal of Signal Processing Systems, 0, , . | 2.1 | 1 |