

Chen Chen

List of Publications by Year in descending order

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49
papers

4,359
citations

201385

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233125

45
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49
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49
docs citations

49
times ranked

3829
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multi-Scale Hybrid Fusion Network for Single Image Deraining. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3594-3608. | 7.2 | 21 |
| 2 | BDANet: Multiscale Convolutional Neural Network With Cross-Directional Attention for Building Damage Assessment From Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 2.7 | 25 |
| 3 | ArcNet: Series AC Arc Fault Detection Based on Raw Current and Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2022, 18, 77-86. | 7.2 | 53 |
| 4 | Dense Traffic Detection at Highway-Railroad Grade Crossings. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15498-15511. | 4.7 | 6 |
| 5 | Fabric defect detection via low-rank decomposition with gradient information and structured graph algorithm. Information Sciences, 2021, 546, 608-626. | 4.0 | 29 |
| 6 | Efficient Deep Learning of Nonlocal Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6029-6043. | 2.7 | 51 |
| 7 | Rain-Free and Residue Hand-in-Hand: A Progressive Coupled Network for Real-Time Image Deraining. IEEE Transactions on Image Processing, 2021, 30, 7404-7418. | 6.0 | 64 |
| 8 | Visual Explanation for Deep Metric Learning. IEEE Transactions on Image Processing, 2021, 30, 7593-7607. | 6.0 | 8 |
| 9 | Multi-Level Memory Compensation Network for Rain Removal via Divide-and-Conquer Strategy. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 216-228. | 7.3 | 8 |
| 10 | Decomposition Makes Better Rain Removal: An Improved Attention-Guided Deraining Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3981-3995. | 5.6 | 54 |
| 11 | S ³ D: Scalable Pedestrian Detection via Score Scale Surface Discrimination. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3332-3344. | 5.6 | 21 |
| 12 | Fabric defect inspection based on lattice segmentation and template statistics. Information Sciences, 2020, 512, 964-984. | 4.0 | 23 |
| 13 | Fabric Defect Detection via Low-Rank Decomposition With Gradient Information. IEEE Access, 2019, 7, 130423-130437. | 2.6 | 12 |
| 14 | Deep Manifold Structure Transfer for Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 4646-4658. | 6.0 | 30 |
| 15 | Semisupervised Discriminant Multimanifold Analysis for Action Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2951-2962. | 7.2 | 20 |
| 16 | Hyperspectral Image Classification in the Presence of Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 851-865. | 2.7 | 131 |
| 17 | Robust 3D Action Recognition Through Sampling Local Appearances and Global Distributions. IEEE Transactions on Multimedia, 2018, 20, 1932-1947. | 5.2 | 30 |
| 18 | Multispectral Satellite Image Denoising via Adaptive Cuckoo Search-Based Wiener Filter. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4334-4345. | 2.7 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 3D Action Recognition Using Multiscale Energy-Based Global Ternary Image. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1824-1838. | 5.6 | 18 |
| 20 | SLR: Semi-Coupled Locality Constrained Representation for Very Low Resolution Face Recognition and Super Resolution. IEEE Access, 2018, 6, 56269-56281. | 2.6 | 12 |
| 21 | Gabor Convolutional Networks. IEEE Transactions on Image Processing, 2018, 27, 4357-4366. | 6.0 | 230 |
| 22 | SuperPCA: A Superpixelwise PCA Approach for Unsupervised Feature Extraction of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4581-4593. | 2.7 | 233 |
| 23 | Single Image Super-Resolution via Locally Regularized Anchored Neighborhood Regression and Nonlocal Means. IEEE Transactions on Multimedia, 2017, 19, 15-26. | 5.2 | 140 |
| 24 | SRLSP: A Face Image Super-Resolution Algorithm Using Smooth Regression With Local Structure Prior. IEEE Transactions on Multimedia, 2017, 19, 27-40. | 5.2 | 126 |
| 25 | Bilateral Two-Dimensional Neighborhood Preserving Discriminant Embedding for Face Recognition. IEEE Access, 2017, 5, 17201-17212. | 2.6 | 13 |
| 26 | Multi-Temporal Depth Motion Maps-Based Local Binary Patterns for 3-D Human Action Recognition. IEEE Access, 2017, 5, 22590-22604. | 2.6 | 39 |
| 27 | Nonlinear Classification of Multispectral Imagery Using Representation-Based Classifiers. Remote Sensing, 2017, 9, 662. | 1.8 | 7 |
| 28 | Static Human Detection and Scenario Recognition via Wearable Thermal Sensing System. Computers, 2017, 6, 3. | 2.1 | 4 |
| 29 | Real-time human action recognition based on depth motion maps. Journal of Real-Time Image Processing, 2016, 12, 155-163. | 2.2 | 234 |
| 30 | Remote Sensing Image Scene Classification Using Multi-Scale Completed Local Binary Patterns and Fisher Vectors. Remote Sensing, 2016, 8, 483. | 1.8 | 126 |
| 31 | Robust Hyperspectral Image Classification by Multi-Layer Spatial-Spectral Sparse Representations. Remote Sensing, 2016, 8, 985. | 1.8 | 34 |
| 32 | Noise robust position-patch based face super-resolution via Tikhonov regularized neighbor representation. Information Sciences, 2016, 367-368, 354-372. | 4.0 | 61 |
| 33 | Supervised bilateral two-dimensional locality preserving projection algorithm based on Gabor wavelet. Signal, Image and Video Processing, 2016, 10, 1441-1448. | 1.7 | 11 |
| 34 | A Real-Time Human Action Recognition System Using Depth and Inertial Sensor Fusion. IEEE Sensors Journal, 2016, 16, 773-781. | 2.4 | 137 |
| 35 | Land-use scene classification using multi-scale completed local binary patterns. Signal, Image and Video Processing, 2016, 10, 745-752. | 1.7 | 132 |
| 36 | Scene classification using local and global features with collaborative representation fusion. Information Sciences, 2016, 348, 209-226. | 4.0 | 141 |

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|----|--|-----|-----------|
| 37 | UTD-MHAD: A multimodal dataset for human action recognition utilizing a depth camera and a wearable inertial sensor. , 2015, , . | | 427 |
| 38 | Hyperspectral image classification based on volumetric texture and dimensionality reduction. Frontiers of Earth Science, 2015, 9, 225-236. | 0.9 | 15 |
| 39 | Local Binary Patterns and Extreme Learning Machine for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3681-3693. | 2.7 | 565 |
| 40 | Improving Human Action Recognition Using Fusion of Depth Camera and Inertial Sensors. IEEE Transactions on Human-Machine Systems, 2015, 45, 51-61. | 2.5 | 221 |
| 41 | Action Recognition from Depth Sequences Using Depth Motion Maps-Based Local Binary Patterns. , 2015, , . | | 145 |
| 42 | Spectral-Spatial Classification of Hyperspectral Image Based on Kernel Extreme Learning Machine. Remote Sensing, 2014, 6, 5795-5814. | 1.8 | 214 |
| 43 | A medication adherence monitoring system for pill bottles based on a wearable inertial sensor. , 2014, 2014, 4983-6. | | 57 |
| 44 | Home-based Senior Fitness Test measurement system using collaborative inertial and depth sensors. , 2014, 2014, 4135-8. | | 29 |
| 45 | Dynamic classifier selection using spectral-spatial information for hyperspectral image classification. Journal of Applied Remote Sensing, 2014, 8, 085095. | 0.6 | 22 |
| 46 | Reconstruction of Hyperspectral Imagery From Random Projections Using Multihypothesis Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 365-374. | 2.7 | 47 |
| 47 | Fast Single Image Super-Resolution via Self-Example Learning and Sparse Representation. IEEE Transactions on Multimedia, 2014, 16, 2178-2190. | 5.2 | 110 |
| 48 | Fusion of Inertial and Depth Sensor Data for Robust Hand Gesture Recognition. IEEE Sensors Journal, 2014, 14, 1898-1903. | 2.4 | 122 |
| 49 | Spectral-Spatial Preprocessing Using Multihypothesis Prediction for Noise-Robust Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1047-1059. | 2.3 | 65 |