

# Zhiqin Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,103  
citations

304368

22  
h-index

233125

45  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1427  
citing authors

| #  | ARTICLE                                                                                                                                                                  | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | A novel multi-modality image fusion method based on image decomposition and sparse representation. Information Sciences, 2018, 432, 516-529.                             | 4.0  | 291       |
| 2  | A Phase Congruency and Local Laplacian Energy Based Multi-Modality Medical Image Fusion Method in NSCT Domain. IEEE Access, 2019, 7, 20811-20824.                        | 2.6  | 240       |
| 3  | Image Dehazing by an Artificial Image Fusion Method Based on Adaptive Structure Decomposition. IEEE Sensors Journal, 2020, 20, 8062-8072.                                | 2.4  | 127       |
| 4  | A novel dictionary learning approach for multi-modality medical image fusion. Neurocomputing, 2016, 214, 471-482.                                                        | 3.5  | 123       |
| 5  | A Novel Fast Single Image Dehazing Algorithm Based on Artificial Multiexposure Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-23.       | 2.4  | 113       |
| 6  | Fault-diagnosis for reciprocating compressors using big data and machine learning. Simulation Modelling Practice and Theory, 2018, 80, 104-127.                          | 2.2  | 92        |
| 7  | Gray-Box Parsimonious Subspace Identification of Hammerstein-Type Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 9941-9951.                             | 5.2  | 74        |
| 8  | A novel sparse-representation-based multi-focus image fusion approach. Neurocomputing, 2016, 216, 216-229.                                                               | 3.5  | 73        |
| 9  | A novel multi-focus image fusion approach based on image decomposition. Information Fusion, 2017, 35, 102-116.                                                           | 11.7 | 68        |
| 10 | A Novel Geometric Dictionary Construction Approach for Sparse Representation Based Image Fusion. Entropy, 2017, 19, 306.                                                 | 1.1  | 67        |
| 11 | An Image Fusion Method Based on Sparse Representation and Sum Modified-Laplacian in NSCT Domain. Entropy, 2018, 20, 522.                                                 | 1.1  | 65        |
| 12 | Convolutional neural network based detection and judgement of environmental obstacle in vehicle operation. CAAI Transactions on Intelligence Technology, 2019, 4, 80-91. | 3.4  | 64        |
| 13 | Remote Sensing Image Defogging Networks Based on Dual Self-Attention Boost Residual Octave Convolution. Remote Sensing, 2021, 13, 3104.                                  | 1.8  | 49        |
| 14 | Atmospheric Light Estimation Based Remote Sensing Image Dehazing. Remote Sensing, 2021, 13, 2432.                                                                        | 1.8  | 44        |
| 15 | X-Net: a dual encoding&ldquo;decoding method in medical image segmentation. Visual Computer, 2023, 39, 2223-2233.                                                        | 2.5  | 37        |
| 16 | A Precise Multi-Exposure Image Fusion Method Based on Low-level Features. Sensors, 2020, 20, 1597.                                                                       | 2.1  | 36        |
| 17 | Blockchain based consensus checking in decentralized cloud storage. Simulation Modelling Practice and Theory, 2020, 102, 101987.                                         | 2.2  | 34        |
| 18 | An Integrated Dictionary-Learning Entropy-Based Medical Image Fusion Framework. Future Internet, 2017, 9, 61.                                                            | 2.4  | 31        |

| #  | ARTICLE                                                                                                                                                                                                                       | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | An integrated critic-actor neural network for reinforcement learning with application of DERs control in grid frequency regulation. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 111, 286-299. | 3.3 | 28        |
| 20 | A Geometric Dictionary Learning Based Approach for Fluorescence Spectroscopy Image Fusion. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 161.                                                                              | 1.3 | 26        |
| 21 | Fixed point iteration-based subspace identification of Hammerstein state-space models. <i>IET Control Theory and Applications</i> , 2019, 13, 1173-1181.                                                                      | 1.2 | 25        |
| 22 | Improved Deep CNN with Parameter Initialization for Data Analysis of Near-Infrared Spectroscopy Sensors. <i>Sensors</i> , 2020, 20, 874.                                                                                      | 2.1 | 25        |
| 23 | Structural Scheduling of Transient Control Under Energy Storage Systems by Sparse-Promoting Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 744-756.                                   | 7.2 | 24        |
| 24 | A Novel Multi-Exposure Image Fusion Method Based on Adaptive Patch Structure. <i>Entropy</i> , 2018, 20, 935.                                                                                                                 | 1.1 | 23        |
| 25 | Multi-focus image fusion via morphological similarity-based dictionary construction and sparse representation. <i>CAAI Transactions on Intelligence Technology</i> , 2018, 3, 83-94.                                          | 3.4 | 23        |
| 26 | A residual neural network based method for the classification of tobacco cultivation regions using near-infrared spectroscopy sensors. <i>Infrared Physics and Technology</i> , 2020, 111, 103494.                            | 1.3 | 20        |
| 27 | Online incipient fault diagnosis based on Kullback-Leibler divergence and recursive principle component analysis. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 426-433.                                        | 0.9 | 19        |
| 28 | A Novel Multi-Focus Image Fusion Method Based on Stochastic Coordinate Coding and Local Density Peaks Clustering. <i>Future Internet</i> , 2016, 8, 53.                                                                       | 2.4 | 18        |
| 29 | Frequency Regulation of Power Systems with Self-Triggered Control under the Consideration of Communication Costs. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 688.                                                       | 1.3 | 18        |
| 30 | A Novel Image Fusion Framework Based on Sparse Representation and Pulse Coupled Neural Network. <i>IEEE Access</i> , 2019, 7, 98290-98305.                                                                                    | 2.6 | 18        |
| 31 | Camera style transformation with preserved self-similarity and domain-dissimilarity in unsupervised person re-identification. <i>Journal of Visual Communication and Image Representation</i> , 2021, 80, 103303.             | 1.7 | 18        |
| 32 | BLDC motor speed control system fault diagnosis based on LRGF neural network and adaptive lifting scheme. <i>Applied Soft Computing Journal</i> , 2014, 14, 609-622.                                                          | 4.1 | 17        |
| 33 | L-infinity event-triggered networked control under time-varying communication delay with communication cost reduction. <i>Journal of the Franklin Institute</i> , 2015, 352, 4776-4800.                                       | 1.9 | 14        |
| 34 | A cloud-based triage log analysis and recovery framework. <i>Simulation Modelling Practice and Theory</i> , 2017, 77, 292-316.                                                                                                | 2.2 | 13        |
| 35 | Prior-knowledge-based subspace identification for batch processes. <i>Journal of Process Control</i> , 2019, 82, 22-30.                                                                                                       | 1.7 | 13        |
| 36 | A novel sparse representation based fusion approach for multi-focus images. <i>Expert Systems With Applications</i> , 2022, 197, 116737.                                                                                      | 4.4 | 12        |

| #  | ARTICLE                                                                                                                                                                                                         | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | A novel visible-infrared image fusion framework for smart city. International Journal of Simulation and Process Modelling, 2018, 13, 144.                                                                       | 0.1 | 11        |
| 38 | Power system structure optimization based on reinforcement learning and sparse constraints under DoS attacks in cloud environments. Simulation Modelling Practice and Theory, 2021, 110, 102272.                | 2.2 | 11        |
| 39 | An Improved Consistent Subspace Identification Method Using Parity Space for State-space Models. International Journal of Control, Automation and Systems, 2019, 17, 1167-1176.                                 | 1.6 | 10        |
| 40 | A GAN-Based Self-Training Framework for Unsupervised Domain Adaptive Person Re-Identification. Journal of Imaging, 2021, 7, 62.                                                                                 | 1.7 | 10        |
| 41 | EXAM: A Framework of Learning Extreme and Moderate Embeddings for Person Re-ID. Journal of Imaging, 2021, 7, 6.                                                                                                 | 1.7 | 9         |
| 42 | A Long Short-Term Memory Neural Network Based Simultaneous Quantitative Analysis of Multiple Tobacco Chemical Components by Near-Infrared Hyperspectroscopy Images. Chemosensors, 2022, 10, 164.                | 1.8 | 9         |
| 43 | A direct method for power system corrective control to relieve current violation in transient with UPFCs by barrier functions. International Journal of Electrical Power and Energy Systems, 2016, 78, 626-636. | 3.3 | 8         |
| 44 | A Sparse Neural Network Based Control Structure Optimization Game under DoS Attacks for DES Frequency Regulation of Power Grid. Applied Sciences (Switzerland), 2019, 9, 2217.                                  | 1.3 | 8         |
| 45 | Fault-Diagnosis for Reciprocating Compressors Using Big Data. , 2016, , .                                                                                                                                       |     | 6         |
| 46 | Morphology-based visible-infrared image fusion framework for smart city. International Journal of Simulation and Process Modelling, 2018, 13, 523.                                                              | 0.1 | 6         |
| 47 | Test-Algebra-Based Fault Location Analysis for the Concurrent Combinatorial Testing. IEEE Transactions on Reliability, 2018, 67, 802-831.                                                                       | 3.5 | 6         |
| 48 | A DT-CWT-based infrared-visible image fusion method for smart city. International Journal of Simulation and Process Modelling, 2019, 14, 559.                                                                   | 0.1 | 4         |
| 49 | A Novel Precise Decomposition Method for Infrared and Visible Image Fusion. , 2019, , .                                                                                                                         |     | 4         |
| 50 | Co-teaching based pseudo label refinery for cross-domain object detection. IET Image Processing, 2021, 15, 3189-3199.                                                                                           | 1.4 | 4         |
| 51 | Multi-Focus Color Image Fusion Based on Quaternion Multi-Scale Singular Value Decomposition. Frontiers in Neurorobotics, 2021, 15, 695960.                                                                      | 1.6 | 3         |
| 52 | Convex Neural Networks Based Reinforcement Learning for Load Frequency Control under Denial of Service Attacks. Algorithms, 2022, 15, 34.                                                                       | 1.2 | 3         |
| 53 | Blockchain based Consensus Checking in Cloud Storage. , 2019, , .                                                                                                                                               |     | 2         |
| 54 | A multi-scale patch-wise algorithm for multi-exposure image fusion. Optik, 2021, 248, 168120.                                                                                                                   | 1.4 | 2         |

| #  | ARTICLE                                                                                                                                                                    | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Multi-Focus Image Fusion Method Based on Multi-Scale Decomposition of Information Complementary. Entropy, 2021, 23, 1362.                                                  | 1.1 | 2         |
| 56 | Energy function based security control and control actuator placement by sparse feedback design. , 2016, , .                                                               |     | 1         |
| 57 | Intelligent estimate of chemical compositions based on NIR spectra analysis. , 2017, , .                                                                                   |     | 1         |
| 58 | A Novel Multi-exposure Image Fusion Approach Based on Parameter Dynamic Selection. Lecture Notes in Electrical Engineering, 2019, , 411-419.                               | 0.3 | 1         |
| 59 | A novel visible-infrared image fusion framework for smart city. International Journal of Simulation and Process Modelling, 2018, 13, 144.                                  | 0.1 | 0         |
| 60 | Single Image Defogging Method Combined with Multi-exposure Fusion Approach Based on Parameter Dynamic Selection. Lecture Notes in Electrical Engineering, 2020, , 466-470. | 0.3 | 0         |