

Zhijun Fang

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,239
citations

567281

15
h-index

395702

33
g-index

57
all docs

57
docs citations

57
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	Notice of Violation of IEEE Publication Principles: Sliding Mode Control of Fuzzy Singularly Perturbed Systems With Application to Electric Circuit. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1667-1675.	9.3	181
2	Video Saliency Incorporating Spatiotemporal Cues and Uncertainty Weighting. IEEE Transactions on Image Processing, 2014, 23, 3910-3921.	9.8	165
3	Objective Quality Assessment for Image Retargeting Based on Structural Similarity. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2014, 4, 95-105.	3.6	105
4	Human Action Monitoring for Healthcare Based on Deep Learning. IEEE Access, 2018, 6, 52277-52285.	4.2	82
5	Real-Time Vehicle Make and Model Recognition with the Residual SqueezeNet Architecture. Sensors, 2019, 19, 982.	3.8	76
6	Real-time image smoke detection using staircase searching-based dual threshold AdaBoost and dynamic analysis. IET Image Processing, 2015, 9, 849-856.	2.5	69
7	Optimized Multioperator Image Retargeting Based on Perceptual Similarity Measure. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2956-2966.	9.3	46
8	Image salient regions encryption for generating visually meaningful ciphertext image. Neural Computing and Applications, 2018, 29, 653-663.	5.6	43
9	Depth Estimation Using a Self-Supervised Network Based on Cross-Layer Feature Fusion and the Quadtree Constraint. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1751-1766.	8.3	33
10	Feature fusion network based on attention mechanism for 3D semantic segmentation of point clouds. Pattern Recognition Letters, 2020, 133, 327-333.	4.2	24
11	SAT-Net: a side attention network for retinal image segmentation. Applied Intelligence, 2021, 51, 5146-5156.	5.3	24
12	Camera self-calibration from tracking of moving persons. , 2016, , .		23
13	Deep3DSaliency: Deep Stereoscopic Video Saliency Detection Model by 3D Convolutional Networks. IEEE Transactions on Image Processing, 2019, 28, 2305-2318.	9.8	23
14	Action Recognition Based on the Fusion of Graph Convolutional Networks with High Order Features. Applied Sciences (Switzerland), 2020, 10, 1482.	2.5	22
15	Automatic coronary artery segmentation algorithm based on deep learning and digital image processing. Applied Intelligence, 2021, 51, 8881-8895.	5.3	20
16	Data Fusion-Based Multi-Object Tracking for Unconstrained Visual Sensor Networks. IEEE Access, 2018, 6, 13716-13728.	4.2	18
17	Depth Estimation of Video Sequences With Perceptual Losses. IEEE Access, 2018, 6, 30536-30546.	4.2	18
18	Segmentation of coronary arteries images using global feature embedded network with active contour loss. Computerized Medical Imaging and Graphics, 2020, 86, 101799.	5.8	16

#	ARTICLE	IF	CITATIONS
19	A Gray Relational Analysis-Based Motion Detection Algorithm for Real-World Surveillance Sensor Deployment. <i>IEEE Sensors Journal</i> , 2019, 19, 1019-1027.	4.7	15
20	An efficient attention module for 3d convolutional neural networks in action recognition. <i>Applied Intelligence</i> , 2021, 51, 7043-7057.	5.3	15
21	Photometric transfer for direct visual odometry. <i>Knowledge-Based Systems</i> , 2021, 213, 106671.	7.1	14
22	A novel method for image segmentation using reactionâ€“diffusion model. <i>Multidimensional Systems and Signal Processing</i> , 2017, 28, 657-677.	2.6	13
23	SSL-Net: Point-Cloud Generation Network With Self-Supervised Learning. <i>IEEE Access</i> , 2019, 7, 82206-82217.	4.2	13
24	Adversarial Learning for Joint Optimization of Depth and Ego-Motion. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 4130-4142.	9.8	13
25	LFT-Net: Local Feature Transformer Network for Point Clouds Analysis. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, , 1-11.	8.0	13
26	Feedback Control Scheduling in Energy-Efficient and Thermal-Aware Data Centers. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 48-60.	9.3	12
27	Visual topic discovering, tracking and summarization from social media streams. <i>Multimedia Tools and Applications</i> , 2017, 76, 10855-10879.	3.9	11
28	Low-Light Image Enhancement Based on Guided Image Filtering in Gradient Domain. <i>International Journal of Digital Multimedia Broadcasting</i> , 2017, 2017, 1-13.	0.6	11
29	Performance Analysis and Beamforming Designs of MIMO AF Relaying With Hardware Impairments. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 6229-6243.	6.3	11
30	A novel selective image encryption method based on saliency detection. , 2016, , .		9
31	Fashion Evaluation Method for Clothing Recommendation Based on Weak Appearance Feature. <i>Scientific Programming</i> , 2017, 2017, 1-12.	0.7	9
32	Salient Object Detection by Spatiotemporal and Semantic Features in Real-Time Video Processing Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9893-9903.	7.9	8
33	ADRâ€“Net: Context extraction network based on Mâ€“Net for medical image segmentation. <i>Medical Physics</i> , 2020, 47, 4254-4264.	3.0	8
34	Joint Optimization of Depth and Ego-Motion for Intelligent Autonomous Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 7390-7403.	8.0	8
35	A mutual local-ternary-pattern based method for aligning differently exposed images. <i>Computer Vision and Image Understanding</i> , 2016, 152, 67-78.	4.7	7
36	Gradient-based adaptive particle swarm optimizer with improved extremal optimization. <i>Applied Intelligence</i> , 2018, 48, 4646-4659.	5.3	7

#	ARTICLE	IF	CITATIONS
37	Imbalanced Data Classification Algorithm Based on Clustering and SVM. Journal of Circuits, Systems and Computers, 2021, 30, 2150036.	1.5	7
38	An End-to-End Human Segmentation by Region Proposed Fully Convolutional Network. IEEE Access, 2019, 7, 16395-16405.	4.2	6
39	Non-fragile sliding mode control for one-sided Lipschitz chaotic systems. ISA Transactions, 2022, 124, 311-317.	5.7	6
40	PointFusionNet: Point feature fusion network for 3D point clouds analysis. Applied Intelligence, 2021, 51, 2063-2076.	5.3	5
41	Inter-camera tracking based on fully unsupervised online learning. , 2017, , .		4
42	Point AE-DCGAN: A deep learning model for 3D point cloud lossy geometry compression. , 2021, , .		4
43	DFBDehazeNet: an end-to-end dense feedback network for single image dehazing. Journal of Electronic Imaging, 2021, 30, .	0.9	4
44	Nested rings: a simple scalable ring-based ROADM structure for neural application computing in mega datacenters. Neural Computing and Applications, 2020, 32, 11-21.	5.6	3
45	PC-SuperPoint: interest point detection and descriptor extraction using pyramid convolution and circle loss. Journal of Electronic Imaging, 2021, 30, .	0.9	3
46	Unsupervised Learning of Depth and Ego-Motion with Spatial-Temporal Geometric Constraints. , 2019, , .		2
47	3D Object Detection Based on Vanishing Point and Prior Orientation. Wuhan University Journal of Natural Sciences, 2019, 24, 369-375.	0.4	2
48	High Accuracy Motion Detection Algorithm via ISM Band FMCW Radar. Remote Sensing, 2022, 14, 58.	4.0	2
49	Efn6D: an efficient RGB-D fusion network for 6D pose estimation. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 75-88.	4.9	2
50	A fast algorithm based on human visual system for abnormal event detection. , 2017, , .		1
51	Advanced Visual Analyses for Smart and Autonomous Vehicles. Advances in Multimedia, 2018, 2018, 1-2.	0.4	1
52	An anisotropic non-local attention network for image segmentation. Machine Vision and Applications, 2022, 33, 1.	2.7	1
53	Rolling Bearing Fault Diagnosis Based on SVM Optimized with Adaptive Quantum DE Algorithm. Shock and Vibration, 2022, 2022, 1-11.	0.6	1
54	Emergent Techniques and Applications for Big Visual Data. International Journal of Digital Multimedia Broadcasting, 2017, 2017, 1-2.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Availability Based Multiservice Delivery for Wireless Sensor Networks in Adversarial Environments. , 2017, , .		0
56	Joint blind image deblurring and super-resolution via double-branch projection feedback network. Journal of Electronic Imaging, 2021, 30, .	0.9	0
57	Visual Odometry integrated with Self-Supervised Monocular Depth Estimation. , 2021, , .		0