

Zhijun Fang

List of Publications by Year in descending order

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57
papers

1,239
citations

567281

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395702

33
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57
all docs

57
docs citations

57
times ranked

1483
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Joint Optimization of Depth and Ego-Motion for Intelligent Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7390-7403.	8.0	8
3	Non-fragile sliding mode control for one-sided Lipschitz chaotic systems. ISA Transactions, 2022, 124, 311-317.	5.7	6
4	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
5	LFT-Net: Local Feature Transformer Network for Point Clouds Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-11.	8.0	13
6	An anisotropic non-local attention network for image segmentation. Machine Vision and Applications, 2022, 33, 1.	2.7	1
7	High Accuracy Motion Detection Algorithm via ISM Band FMCW Radar. Remote Sensing, 2022, 14, 58.	4.0	2
8	Rolling Bearing Fault Diagnosis Based on SVM Optimized with Adaptive Quantum DE Algorithm. Shock and Vibration, 2022, 2022, 1-11.	0.6	1
9	Imbalanced Data Classification Algorithm Based on Clustering and SVM. Journal of Circuits, Systems and Computers, 2021, 30, 2150036.	1.5	7
10	PointFusionNet: Point feature fusion network for 3D point clouds analysis. Applied Intelligence, 2021, 51, 2063-2076.	5.3	5
11	SAT-Net: a side attention network for retinal image segmentation. Applied Intelligence, 2021, 51, 5146-5156.	5.3	24
12	An efficient attention module for 3d convolutional neural networks in action recognition. Applied Intelligence, 2021, 51, 7043-7057.	5.3	15
13	Photometric transfer for direct visual odometry. Knowledge-Based Systems, 2021, 213, 106671.	7.1	14
14	Point AE-DCGAN: A deep learning model for 3D point cloud lossy geometry compression. , 2021, , .		4
15	Joint blind image deblurring and super-resolution via double-branch projection feedback network. Journal of Electronic Imaging, 2021, 30, .	0.9	0
16	Automatic coronary artery segmentation algorithm based on deep learning and digital image processing. Applied Intelligence, 2021, 51, 8881-8895.	5.3	20
17	DFBDehazeNet: an end-to-end dense feedback network for single image dehazing. Journal of Electronic Imaging, 2021, 30, .	0.9	4
18	PC-SuperPoint: interest point detection and descriptor extraction using pyramid convolution and circle loss. Journal of Electronic Imaging, 2021, 30, .	0.9	3

#	ARTICLE	IF	CITATIONS
19	Visual Odometry integrated with Self-Supervised Monocular Depth Estimation. , 2021, , .		0
20	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
21	Salient Object Detection by Spatiotemporal and Semantic Features in Real-Time Video Processing Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 9893-9903.	7.9	8
22	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
23	ADRNet: Context extraction network based on AttentionNet for medical image segmentation. Medical Physics, 2020, 47, 4254-4264.	3.0	8
24	Action Recognition Based on the Fusion of Graph Convolutional Networks with High Order Features. Applied Sciences (Switzerland), 2020, 10, 1482.	2.5	22
25	Adversarial Learning for Joint Optimization of Depth and Ego-Motion. IEEE Transactions on Image Processing, 2020, 29, 4130-4142.	9.8	13
26	Feature fusion network based on attention mechanism for 3D semantic segmentation of point clouds. Pattern Recognition Letters, 2020, 133, 327-333.	4.2	24
27	SSL-Net: Point-Cloud Generation Network With Self-Supervised Learning. IEEE Access, 2019, 7, 82206-82217.	4.2	13
28	Unsupervised Learning of Depth and Ego-Motion with Spatial-Temporal Geometric Constraints. , 2019, , .		2
29	3D Object Detection Based on Vanishing Point and Prior Orientation. Wuhan University Journal of Natural Sciences, 2019, 24, 369-375.	0.4	2
30	Real-Time Vehicle Make and Model Recognition with the Residual SqueezeNet Architecture. Sensors, 2019, 19, 982.	3.8	76
31	An End-to-End Human Segmentation by Region Proposed Fully Convolutional Network. IEEE Access, 2019, 7, 16395-16405.	4.2	6
32	Deep3DSaliency: Deep Stereoscopic Video Saliency Detection Model by 3D Convolutional Networks. IEEE Transactions on Image Processing, 2019, 28, 2305-2318.	9.8	23
33	A Gray Relational Analysis-Based Motion Detection Algorithm for Real-World Surveillance Sensor Deployment. IEEE Sensors Journal, 2019, 19, 1019-1027.	4.7	15
34	Data Fusion-Based Multi-Object Tracking for Unconstrained Visual Sensor Networks. IEEE Access, 2018, 6, 13716-13728.	4.2	18
35	Performance Analysis and Beamforming Designs of MIMO AF Relaying With Hardware Impairments. IEEE Transactions on Vehicular Technology, 2018, 67, 6229-6243.	6.3	11
36	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

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37	Image salient regions encryption for generating visually meaningful ciphertext image. <i>Neural Computing and Applications</i> , 2018, 29, 653-663.	5.6	43
38	Advanced Visual Analyses for Smart and Autonomous Vehicles. <i>Advances in Multimedia</i> , 2018, 2018, 1-2.	0.4	1
39	Human Action Monitoring for Healthcare Based on Deep Learning. <i>IEEE Access</i> , 2018, 6, 52277-52285.	4.2	82
40	Gradient-based adaptive particle swarm optimizer with improved extremal optimization. <i>Applied Intelligence</i> , 2018, 48, 4646-4659.	5.3	7
41	Depth Estimation of Video Sequences With Perceptual Losses. <i>IEEE Access</i> , 2018, 6, 30536-30546.	4.2	18
42	Optimized Multioperator Image Retargeting Based on Perceptual Similarity Measure. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017, 47, 2956-2966.	9.3	46
43	A novel method for image segmentation using reactionâ€“diffusion model. <i>Multidimensional Systems and Signal Processing</i> , 2017, 28, 657-677.	2.6	13
44	Visual topic discovering, tracking and summarization from social media streams. <i>Multimedia Tools and Applications</i> , 2017, 76, 10855-10879.	3.9	11
45	A fast algorithm based on human visual system for abnormal event detection. , 2017, , .		1
46	Inter-camera tracking based on fully unsupervised online learning. , 2017, , .		4
47	Fashion Evaluation Method for Clothing Recommendation Based on Weak Appearance Feature. <i>Scientific Programming</i> , 2017, 2017, 1-12.	0.7	9
48	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
49	Emergent Techniques and Applications for Big Visual Data. <i>International Journal of Digital Multimedia Broadcasting</i> , 2017, 2017, 1-2.	0.6	0
50	Availability Based Multiservice Delivery for Wireless Sensor Networks in Adversarial Environments. , 2017, , .		0
51	A novel selective image encryption method based on saliency detection. , 2016, , .		9
52	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
53	Camera self-calibration from tracking of moving persons. , 2016, , .		23
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Video Saliency Incorporating Spatiotemporal Cues and Uncertainty Weighting. IEEE Transactions on Image Processing, 2014, 23, 3910-3921.	9.8	165
57	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