Guijin Wang

List of Publications by Year
in descending order

107 papers	1,892 citations	394286 19 h-index	377752 34 g-index
107 all docs	107 docs citations	107 times ranked	1424 citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-scale Cross-Modal Transformer Network for RGB-D Object Detection. Lecture Notes in Computer Science, 2022, , 352-363.	1.0	1
2	FGRSC: Improved Calibration for Spinning LiDAR in Unprepared Scenes. IEEE Sensors Journal, 2022, 22, 14250-14262.	2.4	2
3	Frontal-Centers Guided Face: Boosting Face Recognition by Learning Pose-Invariant Features. IEEE Transactions on Information Forensics and Security, 2022, 17, 2272-2283.	4.5	4
4	Class-Variant Margin Normalized Softmax Loss for Deep Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4742-4747.	7.2	14
5	Temporal Matrices Mapping-Based Calibration Method for Event-Driven Structured Light Systems. IEEE Sensors Journal, 2021, 21, 1799-1808.	2.4	6
6	Mixup Asymmetric Tri-Training for Heartbeat Classification Under Domain Shift. IEEE Signal Processing Letters, 2021, 28, 718-722.	2.1	8
7	Epipolar Geometry Guided Highly Robust Structured Light 3D Imaging. IEEE Signal Processing Letters, 2021, 28, 887-891.	2.1	6
8	Non-Local Aggregation for RGB-D Semantic Segmentation. IEEE Signal Processing Letters, 2021, 28, 658-662.	2.1	48
9	CLECG: A Novel Contrastive Learning Framework for Electrocardiogram Arrhythmia Classification. IEEE Signal Processing Letters, 2021, 28, 1993-1997.	2.1	10
10	Inter-patient ECG arrhythmia heartbeat classification based on unsupervised domain adaptation. Neurocomputing, 2021, 454, 339-349.	3.5	35
11	The association between ECG criteria and Echo criteria for left ventricular hypertrophy in a general Chinese population. Annals of Noninvasive Electrocardiology, 2021, 26, e12880.	0.5	7
12	Main-Auxiliary Aggregation Strategy for Video Anomaly Detection. IEEE Signal Processing Letters, 2021, 28, 1794-1798.	2.1	4
13	A community effort to assess and improve computerized interpretation of 12-lead resting electrocardiogram. Medical and Biological Engineering and Computing, 2021, 60, 33.	1.6	1
14	Pose guided structured region ensemble network for cascaded hand pose estimation. Neurocomputing, 2020, 395, 138-149.	3.5	103
15	Implementation of demand-oriented ventilation with adjustable fan network. Indoor and Built Environment, 2020, 29, 621-635.	1.5	29
16	Airflow pattern induced by ceiling fan under different rotation speeds and blowing directions. Indoor and Built Environment, 2020, 29, 1425-1440.	1.5	8
17	Unsupervised Domain Adaptation for ECG Arrhythmia Classification. , 2020, 2020, 304-307.		15
18	Adaptive Region Aggregation Network: Unsupervised Domain Adaptation with Adversarial Training for ECG Delineation. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Bi-Stream Pose-Guided Region Ensemble Network for Fingertip Localization From Stereo Images. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5153-5165.	7.2	6
20	Light and Fast Hand Pose Estimation From Spatial-Decomposed Latent Heatmap. IEEE Access, 2020, 8, 53072-53081.	2.6	8
21	Autofocusing method for high-resolution three-dimensional profilometry. Optics Letters, 2020, 45, 375.	1.7	18
22	Weakly Supervised Segmentation Guided Hand Pose Estimation During Interaction with Unknown Objects. , 2020, , .		2
23	VESS. , 2020, , .		1
24	Image Enhancement and Translation for RGB-D Indoor Scene Recognition. , 2020, , .		1
25	Large depth-of-field three-dimensional shape measurement with the focal sweep technique. Optics Express, 2020, 28, 31197.	1.7	13
26	A global and updatable ECG beat classification system based on recurrent neural networks and active learning. Information Sciences, 2019, 501, 523-542.	4.0	79
27	Video-rate imaging of biological dynamics at centimetre scale and micrometre resolution. Nature Photonics, 2019, 13, 809-816.	15.6	134
28	MFA-Net: Motion Feature Augmented Network for Dynamic Hand Gesture Recognition from Skeletal Data. Sensors, 2019, 19, 239.	2.1	53
29	Spatial-Temporal Attention Res-TCN for Skeleton-Based Dynamic Hand Gesture Recognition. Lecture Notes in Computer Science, 2019, , 273-286.	1.0	58
30	Blurring-Effect-Free CNN Network of Structural Edge for Focus Stacking. IEEE Access, 2019, 7, 167672-167682.	2.6	1
31	Guided, Fusion-Based, Large Depth-of-field 3D Imaging Using a Focal Stack. Sensors, 2019, 19, 4845.	2.1	15
32	Large depth-of-field 3D shape measurement using an electrically tunable lens. Optics Express, 2019, 27, 29697.	1.7	26
33	All-in-focus with directional-max-gradient flow and labeled iterative depth propagation. Pattern Recognition, 2018, 77, 173-187.	5.1	8
34	Region ensemble network: Towards good practices for deep 3D hand pose estimation. Journal of Visual Communication and Image Representation, 2018, 55, 404-414.	1.7	82
35	Region Aggregation Network: Improving Convolutional Neural Network for ECG Characteristic Detection. , 2018, 2018, 2559-2562.		17
36	Learning Transformation-Invariant Representations for Image Recognition With Drop Transformation Networks. IEEE Access, 2018, 6, 73357-73369.	2.6	2

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37	Depth-Based 3D Hand Pose Estimation: From Current Achievements to Future Goals. , 2018, , .		144
38	Scene-Adaptive Image Acquisition for Focus Stacking. , 2018, , .		4
39	Bidirectional Recurrent Neural Network And Convolutional Neural Network (BiRCNN) For ECG Beat Classification. , 2018, 2018, 2555-2558.		19
40	A Robust and Accurate Calibration Method for Out-of-focus Camera. IS&T International Symposium on Electronic Imaging, 2018, 2018, 263-1-263-5.	0.3	4
41	SHPR-Net: Deep Semantic Hand Pose Regression From Point Clouds. IEEE Access, 2018, 6, 43425-43439.	2.6	71
42	Interactive Hand Pose Estimation: Boosting accuracy in localizing extended finger joints. IS&T International Symposium on Electronic Imaging, 2018, 2018, 251-1-251-6.	0.3	2
43	Live demonstration: A hand gesture recognition wristband employing low power body channel communication. , 2017, , .		1
44	A miniaturized wearable wireless hand gesture recognition system employing deep-forest classifier. , 2017, , .		7
45	Region ensemble network: Improving convolutional network for hand pose estimation. , 2017, , .		92
46	Robust RGB-D SLAM in dynamic environment using faster R-CNN. , 2017, , .		14
47	Defect detection of printing images on cans based on SSIM and chromatism. , 2017, , .		7
48	Motion feature augmented recurrent neural network for skeleton-based dynamic hand gesture recognition. , 2017, , .		62
49	High-Resolution Image Inpainting through Multiple Deep Networks. , 2017, , .		12
50	Two-stream binocular network: Accurate near field finger detection based on binocular images. , 2017, , .		1
51	The on-line viewing system of the distributed gigapixel image. , 2016, , .		1
52	Accurate fingertip detection from binocular mask images. , 2016, , .		2
53	Large aperture focus stacking with max-gradient flow by anchored rolling filtering. Applied Optics, 2016, 55, 5304.	2.1	8
54	Notice of Removal Two-stream convolutional neural network for accurate RGB-D fingertip detection using depth and edge information. , 2016, , .		9

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55	Universal method for crosstalk noise and transmission loss analysis for N-port nonblocking optical router for photonic networks-on-chip. Optical Engineering, 2016, 55, 056110.	0.5	3
56	Latent variable pictorial structure for human pose estimation on depth images. Neurocomputing, 2016, 203, 52-61.	3.5	6
57	A novel hierarchical framework for human action recognition. Pattern Recognition, 2016, 55, 148-159.	5.1	61
58	Accurate depth sensing by filtering IR cost on the guide of RGB information. Optical Review, 2015, 22, 443-447.	1.2	2
59	Depth-images-based pose estimation using regression forests and graphical models. Neurocomputing, 2015, 164, 210-219.	3.5	20
60	High-Accuracy Stereo Matching Based on Adaptive Ground Control Points. IEEE Transactions on Image Processing, 2015, 24, 1412-1423.	6.0	40
61	Subcategory Clustering with Latent Feature Alignment and Filtering for Object Detection. IEEE Signal Processing Letters, 2015, 22, 244-248.	2.1	42
62	Embedding metric learning into set-based face recognition for video surveillance. Neurocomputing, 2015, 151, 1500-1506.	3.5	18
63	Efficient active depth sensing by laser speckle projection system. Optical Engineering, 2014, 53, 013105.	0.5	15
64	Iterative transductive learning for automatic image segmentation and matting with RGB-D data. Journal of Visual Communication and Image Representation, 2014, 25, 1031-1043.	1.7	12
65	Deformable Part-Based Model Transfer for Object Detection. IEICE Transactions on Information and Systems, 2014, E97.D, 1394-1397.	0.4	2
66	POP: Person Re-identification Post-rank Optimisation. , 2013, , .		103
67	Depth estimation for speckle projection system using progressive reliable points growing matching. Applied Optics, 2013, 52, 516.	0.9	34
68	Iterative transductive learning for alpha matting. , 2013, , .		23
69	Accurate and real-time human action recognition based on 3D skeleton. , 2013, , .		3
70	Stable and real-time hand gesture recognition based on RGB-D data. Proceedings of SPIE, 2013, , .	0.8	1
71	Multiple-Shot Person Re-Identification by Pairwise Multiple Instance Learning. IEICE Transactions on Information and Systems, 2013, E96.D, 2900-2903.	0.4	1
72	Kernel-Based On-Line Object Tracking Combining both Local Description and Global Representation. IEICE Transactions on Information and Systems, 2013, E96.D, 159-162.	0.4	2

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73	High-Accuracy and Quick Matting Based on Sample-Pair Refinement and Local Optimization. IEICE Transactions on Information and Systems, 2013, E96.D, 2096-2106.	0.4	7
74	Learning the missing values in depth maps. , 2013, , .		1
75	A hand gesture based interactive presentation system utilizing heterogeneous cameras. Tsinghua Science and Technology, 2012, 17, 329-336.	4.1	20
76	Data level object detector adaptation with online multiple instance samples. , 2012, , .		2
77	Local matting based on sample-pair propagation and iterative refinement. , 2012, , .		6
78	A Real-Time Human Detection System for Video. IEICE Transactions on Information and Systems, 2012, E95.D, 1979-1988.	0.4	3
79	Self-Clustering Symmetry Detection. IEICE Transactions on Information and Systems, 2012, E95.D, 2359-2362.	0.4	0
80	An Interleaving Updating Framework of Disparity and Confidence Map for Stereo Matching. IEICE Transactions on Information and Systems, 2012, E95.D, 1552-1555.	0.4	2
81	Stereo Matching Using Local Plane Fitting in Confidence-Based Support Window. IEICE Transactions on Information and Systems, 2012, E95-D, 699-702.	0.4	14
82	Real Time Aerial Video Stitching via Sensor Refinement and Priority Scan. IEICE Transactions on Information and Systems, 2012, E95-D, 2146-2149.	0.4	1
83	Person Re-Identification by Spatial Pyramid Color Representation and Local Region Matching. IEICE Transactions on Information and Systems, 2012, E95.D, 2154-2157.	0.4	7
84	A compact association of particle filtering and kernel based object tracking. Pattern Recognition, 2012, 45, 2584-2597.	5.1	38
85	Real-time depth-based segmentation and tracking of multiple objects. , 2012, , .		2
86	Drastic Anomaly Detection in Video Using Motion Direction Statistics. IEICE Transactions on Information and Systems, 2011, E94-D, 1700-1707.	0.4	1
87	High-Accuracy Sub-Pixel Registration for Noisy Images Based on Phase Correlation. IEICE Transactions on Information and Systems, 2011, E94-D, 2541-2544.	0.4	9
88	DSP-Based Parallel Implementation of Speeded-Up Robust Features. IEICE Transactions on Information and Systems, 2011, E94-D, 930-933.	0.4	1
89	Partial Derivative Guidance for Weak Classifier Mining in Pedestrian Detection. IEICE Transactions on Information and Systems, 2011, E94-D, 1721-1724.	0.4	0
90	Implementation of Scale and Rotation Invariant On-Line Object Tracking Based on CUDA. IEICE Transactions on Information and Systems, 2011, E94-D, 2549-2552.	0.4	2

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91	Multiple instance tracking based on hierarchical maximizing bag's margin boosting. , 2011, , .		0
92	Non-rigid Object Tracking as Salient Region Segmentation and Association. IEICE Transactions on Information and Systems, 2011, E94-D, 934-937.	0.4	1
93	Kernel Based Image Registration Incorporating with Both Feature and Intensity Matching. IEICE Transactions on Information and Systems, 2010, E93-D, 1317-1320.	0.4	7
94	Online HOG Method in Pedestrian Tracking. IEICE Transactions on Information and Systems, 2010, E93-D, 1321-1324.	0.4	3
95	Real-Time Human Detection Using Hierarchical HOG Matrices. IEICE Transactions on Information and Systems, 2010, E93-D, 658-661.	0.4	3
96	Robust Object Tracking via Combining Observation Models. IEICE Transactions on Information and Systems, 2010, E93-D, 662-665.	0.4	2
97	Topology based affine invariant descriptor for MSERs. , 2010, , .		4
98	Scale and rotation invariant feature-based object tracking via modified on-line boosting. , 2010, , .		12
99	Anomaly detection in surveillance video using motion direction statistics. , 2010, , .		22
100	A Flow-Aware Opportunistic Routing Protocol for Wireless Mesh Networks. IEICE Transactions on Communications, 2010, E93-B, 3161-3164.	0.4	0
101	Hand posture recognition in video using multiple cues. , 2009, , .		5
102	Recovery of upper body poses in static images based on joints detection. Pattern Recognition Letters, 2009, 30, 503-512.	2.6	27
103	Measuring Particles in Joint Feature-Spatial Space. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1737-1742.	0.2	1
104	Enhanced Shot Change Detection using Motion Features for Soccer Video Analysis. , 2007, , .		10
105	Channel-adaptive error protection for scalable audio streaming over wireless Internet. , 0, , .		1
106	Error protection for scalable image over 3G-IP network. , 0, , .		0
107	Day markings detection in natural photo with morphological method. , 0, , .		0