

Tao Yang

List of Publications by Year in descending order

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69
papers

1,204
citations

430874

18
h-index

395702

33
g-index

70
all docs

70
docs citations

70
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven proton exchange membrane fuel cell degradation predication through deep learning method. Applied Energy, 2018, 231, 102-115.	10.1	241
2	Convolutional Neural Network-Based Robot Navigation Using Uncalibrated Spherical Images. Sensors, 2017, 17, 1341.	3.8	81
3	Monocular Vision SLAM-Based UAV Autonomous Landing in Emergencies and Unknown Environments. Electronics (Switzerland), 2018, 7, 73.	3.1	75
4	Small Moving Vehicle Detection in a Satellite Video of an Urban Area. Sensors, 2016, 16, 1528.	3.8	67
5	Hybrid Camera Array-Based UAV Auto-Landing on Moving UGV in GPS-Denied Environment. Remote Sensing, 2018, 10, 1829.	4.0	47
6	A Ground-Based Near Infrared Camera Array System for UAV Auto-Landing in GPS-Denied Environment. Sensors, 2016, 16, 1393.	3.8	45
7	Real-Time Ground Vehicle Detection in Aerial Infrared Imagery Based on Convolutional Neural Network. Electronics (Switzerland), 2018, 7, 78.	3.1	45
8	Multi-object tracking with discriminant correlation filter based deep learning tracker. Integrated Computer-Aided Engineering, 2019, 26, 273-284.	4.6	42
9	Global Temporal Representation Based CNNs for Infrared Action Recognition. IEEE Signal Processing Letters, 2018, 25, 848-852.	3.6	40
10	A novel multi-object detection method in complex scene using synthetic aperture imaging. Pattern Recognition, 2012, 45, 1637-1658.	8.1	38
11	Hierarchically Learned View-Invariant Representations for Cross-View Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2416-2430.	8.3	38
12	Deep Image-to-Video Adaptation and Fusion Networks for Action Recognition. IEEE Transactions on Image Processing, 2020, 29, 3168-3182.	9.8	35
13	An Adaptive Framework for Multi-Vehicle Ground Speed Estimation in Airborne Videos. Remote Sensing, 2019, 11, 1241.	4.0	33
14	Panoramic UAV Surveillance and Recycling System Based on Structure-Free Camera Array. IEEE Access, 2019, 7, 25763-25778.	4.2	29
15	A New Hybrid Synthetic Aperture Imaging Model for Tracking and Seeing People Through Occlusion. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1461-1475.	8.3	28
16	Online multi-object tracking combining optical flow and compressive tracking in Markov decision process. Journal of Visual Communication and Image Representation, 2019, 58, 178-186.	2.8	22
17	Kinect based real-time synthetic aperture imaging through occlusion. Multimedia Tools and Applications, 2016, 75, 6925-6943.	3.9	20
18	Visual Detail Augmented Mapping for Small Aerial Target Detection. Remote Sensing, 2019, 11, 14.	4.0	19

#	ARTICLE	IF	CITATIONS
19	Diverse Scene Stitching from a Large-Scale Aerial Video Dataset. Remote Sensing, 2015, 7, 6932-6949.	4.0	18
20	ConvNet and LSH-Based Visual Localization Using Localized Sequence Matching. Sensors, 2019, 19, 2439.	3.8	18
21	Image-Only Real-Time Incremental UAV Image Mosaic for Multi-Strip Flight. IEEE Transactions on Multimedia, 2021, 23, 1410-1425.	7.2	17
22	Continuously tracking and see-through occlusion based on a new hybrid synthetic aperture imaging model. , 2011, , .		16
23	Multi-Model Estimation Based Moving Object Detection for Aerial Video. Sensors, 2015, 15, 8214-8231.	3.8	14
24	Fast Aerial Video Stitching. International Journal of Advanced Robotic Systems, 2014, 11, 167.	2.1	13
25	Real-Time Camera Pose Estimation Based on Multiple Planar Markers. , 2009, , .		11
26	A Novel Visual-Vocabulary-Translator-Based Cross-Domain Image Matching. IEEE Access, 2017, 5, 23190-23203.	4.2	11
27	Nighttime Foreground Pedestrian Detection Based on Three-Dimensional Voxel Surface Model. Sensors, 2017, 17, 2354.	3.8	11
28	Joint Deep and Depth for Object-Level Segmentation and Stereo Tracking in Crowds. IEEE Transactions on Multimedia, 2019, 21, 2531-2544.	7.2	11
29	Performance Modeling a Near-Infrared ToF LiDAR Under Fog: A Data-Driven Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11227-11236.	8.0	11
30	Simultaneous active camera array focus plane estimation and occluded moving object imaging. Image and Vision Computing, 2014, 32, 510-521.	4.5	10
31	Cross-Domain Co-Occurring Feature for Visible-Infrared Image Matching. IEEE Access, 2018, 6, 17681-17698.	4.2	9
32	LaNoising: A Data-driven Approach for 903nm ToF LiDAR Performance Modeling under Fog. , 2020, , .		9
33	Multiple-Object-Tracking Algorithm Based on Dense Trajectory Voting in Aerial Videos. Remote Sensing, 2019, 11, 2278.	4.0	8
34	Combining scene model and fusion for night video enhancement. Journal of Electronics, 2009, 26, 88-93.	0.2	6
35	Raindrop Removal With Light Field Image Using Image Inpainting. IEEE Access, 2020, 8, 58416-58426.	4.2	6
36	A Novel Multi-planar Homography Constraint Algorithm for Robust Multi-people Location with Severe Occlusion. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
37	Bands Sensitive Convolutional Network for Hyperspectral Image Classification. , 2016, , .		5
38	A Monocular Visual Odometry Method Based on Virtual-Real Hybrid Map in Low-Texture Outdoor Environment. Sensors, 2021, 21, 3394.	3.8	5
39	Hierarchical Clustering-Aligning Framework Based Fast Large-Scale 3D Reconstruction Using Aerial Imagery. Remote Sensing, 2019, 11, 315.	4.0	4
40	Silhouette-Based 2D Human Pose Estimation. , 2009, , .		3
41	A Convenient Multi-camera Self-Calibration Method Based on Human Body Motion Analysis. , 2009, , .		3
42	Unstructured Synthetic Aperture Photograph Based Occluded Object Imaging. , 2013, , .		3
43	Multiple-Layer Visibility Propagation-Based Synthetic Aperture Imaging through Occlusion. Sensors, 2015, 15, 18965-18984.	3.8	3
44	Online Ground Multitarget Geolocation Based on 3-D Map Construction Using a UAV Platform. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	3
45	Synthetic aperture image quality assessment based on camera array: Measures and their performance. , 2012, , .		2
46	A novel method for detecting occluded object by multiple camera arrays. , 2012, , .		2
47	Artificial Potential Field Based Cooperative Particle Filter for Multi-View Multi-Object Tracking. , 2013, , .		2
48	Autonomous Near Ground Quadrone Navigation with Uncalibrated Spherical Images Using Convolutional Neural Networks. , 2016, , .		2
49	Geodetic coordinate calculation based on monocular vision on UAV platform. , 2016, , .		2
50	Fast and Seamless Large-scale Aerial 3D Reconstruction using Graph Framework. , 2018, , .		2
51	Visual Tracking Using Multi-layer CNN Features Based Discriminant Correlation Filters with Foreground Mask. Lecture Notes in Computer Science, 2018, , 339-347.	1.3	2
52	UAV-Assisted Wide Area Multi-Camera Space Alignment Based on Spatiotemporal Feature Map. Remote Sensing, 2021, 13, 1117.	4.0	2
53	Accurate localization of moving objects in dynamic environment for small unmanned aerial vehicle platform using global averaging. IET Computer Vision, 2022, 16, 12-25.	2.0	2
54	Modified atmospheric pressure extrapolation model using ERA5 for geodetic applications. GPS Solutions, 2021, 25, 1.	4.3	2

#	ARTICLE	IF	CITATIONS
55	A NOVEL ALGORITHM FOR SPEEDING UP KEYPOINT DETECTION AND MATCHING. International Journal of Image and Graphics, 2008, 08, 643-661.	1.5	1
56	Random sampling and model competition for guaranteed multiple consensus sets estimation. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668567.	2.1	1
57	Visual Localization Based on Place Recognition Using Multi-feature Combination (D- λ $\hat{\lambda}$) Tj ETQq1 1 0.784314 rgBT /Over 1.3	1.3	1
58	Anti-UAVs Surveillance System based on Ground Random Fisheye Camera Array. , 2018, , .		1
59	Improved compressive tracking based on pixelwise learner. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
60	Evaluation of Precipitable Water Vapor Retrieval from Homogeneously Reprocessed Long-Term GNSS Tropospheric Zenith Wet Delay and Multi-Technique. Remote Sensing, 2021, 13, 4490.	4.0	1
61	Image Registration Based on Rectangle Pattern. , 2009, , .		0
62	Multi-model cooperation based self organization multiple cameras system for robust moving object detection. , 2010, , .		0
63	An easy-to-implement Benchmarking Tool for Mobile Tablet-PC Visual Pose Estimation. , 2015, , .		0
64	Multi-Object Tracking in Airborne Video Imagery based on Compressive Tracking Detection Responses. , 2015, , .		0
65	Compressive Tracking based on Superpixel Segmentation. , 2016, , .		0
66	Fast camera array auto-calibration for optical navigation. , 2016, , .		0
67	Data-Driven Variable Synthetic Aperture Imaging Based on Semantic Feedback. IEEE Access, 2019, 7, 166021-166042.	4.2	0
68	Object Tracking Based on Modified TLD Framework Using Compressive Sensing Features. Lecture Notes in Computer Science, 2017, , 459-470.	1.3	0
69	Bullet-time Video Synthesis Based on Virtual Dynamic Target Axis. IEEE Transactions on Multimedia, 2022, , 1-14.	7.2	0