

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
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70
all docs

70
docs citations

70
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Bullet-time Video Synthesis Based on Virtual Dynamic Target Axis. IEEE Transactions on Multimedia, 2022, , 1-14.	7.2	0
5	UAV-Assisted Wide Area Multi-Camera Space Alignment Based on Spatiotemporal Feature Map. Remote Sensing, 2021, 13, 1117.	4.0	2
6	A Monocular Visual Odometry Method Based on Virtual-Real Hybrid Map in Low-Texture Outdoor Environment. Sensors, 2021, 21, 3394.	3.8	5
7	Modified atmospheric pressure extrapolation model using ERA5 for geodetic applications. GPS Solutions, 2021, 25, 1.	4.3	2
8	Image-Only Real-Time Incremental UAV Image Mosaic for Multi-Strip Flight. IEEE Transactions on Multimedia, 2021, 23, 1410-1425.	7.2	17
9	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
10	Deep Image-to-Video Adaptation and Fusion Networks for Action Recognition. IEEE Transactions on Image Processing, 2020, 29, 3168-3182.	9.8	35
11	Raindrop Removal With Light Field Image Using Image Inpainting. IEEE Access, 2020, 8, 58416-58426.	4.2	6
12	LaNoising: A Data-driven Approach for 903nm ToF LiDAR Performance Modeling under Fog. , 2020, , .		9
13	An Adaptive Framework for Multi-Vehicle Ground Speed Estimation in Airborne Videos. Remote Sensing, 2019, 11, 1241.	4.0	33
14	ConvNet and LSH-Based Visual Localization Using Localized Sequence Matching. Sensors, 2019, 19, 2439.	3.8	18
15	Hierarchical Clustering-Aligning Framework Based Fast Large-Scale 3D Reconstruction Using Aerial Imagery. Remote Sensing, 2019, 11, 315.	4.0	4
16	Panoramic UAV Surveillance and Recycling System Based on Structure-Free Camera Array. IEEE Access, 2019, 7, 25763-25778.	4.2	29
17	Joint Deep and Depth for Object-Level Segmentation and Stereo Tracking in Crowds. IEEE Transactions on Multimedia, 2019, 21, 2531-2544.	7.2	11
18	Multi-object tracking with discriminant correlation filter based deep learning tracker. Integrated Computer-Aided Engineering, 2019, 26, 273-284.	4.6	42

#	ARTICLE	IF	CITATIONS
19	Data-Driven Variable Synthetic Aperture Imaging Based on Semantic Feedback. IEEE Access, 2019, 7, 166021-166042.	4.2	0
20	Multiple-Object-Tracking Algorithm Based on Dense Trajectory Voting in Aerial Videos. Remote Sensing, 2019, 11, 2278.	4.0	8
21	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
22	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
23	Visual Detail Augmented Mapping for Small Aerial Target Detection. Remote Sensing, 2019, 11, 14.	4.0	19
24	Global Temporal Representation Based CNNs for Infrared Action Recognition. IEEE Signal Processing Letters, 2018, 25, 848-852.	3.6	40
25	Cross-Domain Co-Occurring Feature for Visible-Infrared Image Matching. IEEE Access, 2018, 6, 17681-17698.	4.2	9
26	Hybrid Camera Array-Based UAV Auto-Landing on Moving UGV in GPS-Denied Environment. Remote Sensing, 2018, 10, 1829.	4.0	47
27	Data-driven proton exchange membrane fuel cell degradation predication through deep learning method. Applied Energy, 2018, 231, 102-115.	10.1	241
28	Fast and Seamless Large-scale Aerial 3D Reconstruction using Graph Framework. , 2018, , .		2
29	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
30	Real-Time Ground Vehicle Detection in Aerial Infrared Imagery Based on Convolutional Neural Network. Electronics (Switzerland), 2018, 7, 78.	3.1	45
31	Anti-UAVs Surveillance System based on Ground Random Fisheye Camera Array. , 2018, , .		1
32	Monocular Vision SLAM-Based UAV Autonomous Landing in Emergencies and Unknown Environments. Electronics (Switzerland), 2018, 7, 73.	3.1	75
33	Improved compressive tracking based on pixelwise learner. Journal of Electronic Imaging, 2018, 27, 1.	0.9	1
34	Random sampling and model competition for guaranteed multiple consensus sets estimation. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668567.	2.1	1
35	Visual Localization Based on Place Recognition Using Multi-feature Combination (D- λ $\hat{\mu}$) Tj ETQq1 1 0.784314 rgBT /Overdo 1.3 1		
36	A Novel Visual-Vocabulary-Translator-Based Cross-Domain Image Matching. IEEE Access, 2017, 5, 23190-23203.	4.2	11

#	ARTICLE	IF	CITATIONS
37	Convolutional Neural Network-Based Robot Navigation Using Uncalibrated Spherical Images. Sensors, 2017, 17, 1341.	3.8	81
38	Nighttime Foreground Pedestrian Detection Based on Three-Dimensional Voxel Surface Model. Sensors, 2017, 17, 2354.	3.8	11
39	Object Tracking Based on Modified TLD Framework Using Compressive Sensing Features. Lecture Notes in Computer Science, 2017, , 459-470.	1.3	0
40	A Ground-Based Near Infrared Camera Array System for UAV Auto-Landing in GPS-Denied Environment. Sensors, 2016, 16, 1393.	3.8	45
41	Small Moving Vehicle Detection in a Satellite Video of an Urban Area. Sensors, 2016, 16, 1528.	3.8	67
42	Compressive Tracking based on Superpixel Segmentation. , 2016, , .		0
43	Autonomous Near Ground Quadrone Navigation with Uncalibrated Spherical Images Using Convolutional Neural Networks. , 2016, , .		2
44	Geodetic coordinate calculation based on monocular vision on UAV platform. , 2016, , .		2
45	Fast camera array auto-calibration for optical navigation. , 2016, , .		0
46	Bands Sensitive Convolutional Network for Hyperspectral Image Classification. , 2016, , .		5
47	Kinect based real-time synthetic aperture imaging through occlusion. Multimedia Tools and Applications, 2016, 75, 6925-6943.	3.9	20
48	An easy-to-implement Benchmarking Tool for Mobile Tablet-PC Visual Pose Estimation. , 2015, , .		0
49	Multi-Object Tracking in Airborne Video Imagery based on Compressive Tracking Detection Responses. , 2015, , .		0
50	Diverse Scene Stitching from a Large-Scale Aerial Video Dataset. Remote Sensing, 2015, 7, 6932-6949.	4.0	18
51	Multiple-Layer Visibility Propagation-Based Synthetic Aperture Imaging through Occlusion. Sensors, 2015, 15, 18965-18984.	3.8	3
52	Multi-Model Estimation Based Moving Object Detection for Aerial Video. Sensors, 2015, 15, 8214-8231.	3.8	14
53	Simultaneous active camera array focus plane estimation and occluded moving object imaging. Image and Vision Computing, 2014, 32, 510-521.	4.5	10
54	Fast Aerial Video Stitching. International Journal of Advanced Robotic Systems, 2014, 11, 167.	2.1	13

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55	Artificial Potential Field Based Cooperative Particle Filter for Multi-View Multi-Object Tracking. , 2013, , .		2
56	Unstructured Synthetic Aperture Photograph Based Occluded Object Imaging. , 2013, , .		3
57	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
58	Synthetic aperture image quality assessment based on camera array: Measures and their performance. , 2012, , .		2
59	A novel method for detecting occluded object by multiple camera arrays. , 2012, , .		2
60	A novel multi-object detection method in complex scene using synthetic aperture imaging. Pattern Recognition, 2012, 45, 1637-1658.	8.1	38
61	Continuously tracking and see-through occlusion based on a new hybrid synthetic aperture imaging model. , 2011, , .		16
62	Multi-model cooperation based self organization multiple cameras system for robust moving object detection. , 2010, , .		0
63	Real-Time Camera Pose Estimation Based on Multiple Planar Markers. , 2009, , .		11
64	Silhouette-Based 2D Human Pose Estimation. , 2009, , .		3
65	Image Registration Based on Rectangle Pattern. , 2009, , .		0
66	A Novel Multi-planar Homography Constraint Algorithm for Robust Multi-people Location with Severe Occlusion. , 2009, , .		5
67	Combining scene model and fusion for night video enhancement. Journal of Electronics, 2009, 26, 88-93.	0.2	6
68	A Convenient Multi-camera Self-Calibration Method Based on Human Body Motion Analysis. , 2009, , .		3
69	A NOVEL ALGORITHM FOR SPEEDING UP KEYPOINT DETECTION AND MATCHING. International Journal of Image and Graphics, 2008, 08, 643-661.	1.5	1