Hadi AliAkbarpour

List of Publications by Year
in descending order

37 papers	298 citations	1163117 8 h-index	1281871 11 g-index
37 all docs	37 docs citations	37 times ranked	234 citing authors

#	Article	IF	Citations
1	Moving object detection for vehicle tracking in Wide Area Motion Imagery using 4D filtering. , 2016, , .		27
2	Robust Camera Pose Refinement and Rapid SfM for Multiview Aerial Imagery—Without RANSAC. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2203-2207.	3.1	24
3	Fast Structure from Motion for Sequential and Wide Area Motion Imagery. , 2015, , .		21
4	Heterogeneous Multi-View Information Fusion: Review of 3-D Reconstruction Methods and a New Registration with Uncertainty Modeling. IEEE Access, 2016, 4, 8264-8285.	4.2	19
5	Probabilistic LMA-based classification of human behaviour understanding using Power Spectrum technique. , 2010, , .		15
6	Automatic Video Content Summarization Using Geospatial Mosaics of Aerial Imagery. , 2015, , .		15
7	Semantic Depth Map Fusion for Moving Vehicle Detection in Aerial Video. , 2016, , .		15
8	Parallax-Tolerant Aerial Image Georegistration and Efficient Camera Pose Refinement—Without Piecewise Homographies. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4618-4637.	6.3	14
9	Parameterizing interpersonal behaviour with Laban movement analysis — A Bayesian approach. , 2012, , .		13
10	Local Feature Performance Evaluation for Structure-From-Motion and Multi-View Stereo Using Simulated City-Scale Aerial Imagery. IEEE Sensors Journal, 2021, 21, 11615-11627.	4.7	10
11	Multi-sensor 3D volumetric reconstruction using CUDA. 3D Research, 2011, 2, 1.	1.8	9
12	Video haze removal and poisson blending based mini-mosaics for wide area motion imagery. , 2016, , .		9
13	A Probabilistic Fusion Framework for 3-D Reconstruction Using Heterogeneous Sensors. IEEE Sensors Journal, 2017, 17, 2640-2641.	4.7	9
14	Robust mosaicking of maize fields from aerial imagery. Applications in Plant Sciences, 2020, 8, e11387.	2.1	9
15	DCT-Based Local Descriptor for Robust Matching and Feature Tracking in Wide Area Motion Imagery. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1441-1445.	3.1	9
16	Human silhouette volume reconstruction using a gravity-based virtual camera network. , 2010, , .		8
17	Performance Evaluation of Feature Descriptors for Aerial Imagery Mosaicking. , 2018, , .		8
18	Stabilization of Airborne Video Using Sensor Exterior Orientation with Analytical Homography Modeling. , 2020, , 579-595.		8

#	Article	IF	Citations
19	IMU-Aided 3D Reconstruction Based on Multiple Virtual Planes. , 2010, , .		7
20	Geometric exploration of virtual planes in a fusion-based 3D data registration framework. , 2013, , .		6
21	Inertial-visual fusion for camera network calibration. , 2011, , .		5
22	A Novel Framework for Data Registration and Data Fusion in Presence of Multi-modal Sensors. IFIP Advances in Information and Communication Technology, 2010, , 308-315.	0.7	5
23	HMM-Based Abnormal Behaviour Detection Using Heterogeneous Sensor Network. International Federation for Information Processing, 2011, , 277-285.	0.4	5
24	On Optimal Multi-Sensor Network Configuration for 3D Registration. Journal of Sensor and Actuator Networks, 2015, 4, 293-314.	3.9	4
25	Deep Realistic Novel View Generation for City-Scale Aerial Images. , 2021, , .		4
26	LMA-Based Human Behaviour Analysis Using HMM. International Federation for Information Processing, 2011, , 189-196.	0.4	4
27	Sensitivity of Multiview 3D Point Cloud Reconstruction to Compression Quality and Image Feature Detectability. , 2019, , .		3
28	Evaluation of feature matching in aerial imagery for structure-from motion and bundle adjustment. , 2018, , .		3
29	Image-based servoing of non-holonomic vehicles using non-central catadioptric cameras. , 2013, , .		2
30	Structure from Motion andÂMosaicking for High-Throughput Field-Scale Phenotyping. Concepts and Strategies in Plant Sciences, 2021, , 55-69.	0.5	2
31	PhD forum: Volumetric 3D reconstruction without planar ground assumption. , 2011, , .		1
32	Performance Evaluation of Semantic Video Compression using Multi-cue Object Detection. , 2019, , .		1
33	Deep Learning Based Landmark Matching For Aerial Geolocalization. , 2020, , .		1
34	Short-Term Video Stabilization Using Ground Plane Segmentation for Low Altitude UAV Object Tracking (Conference Presentation). , 2020, , .		1
35	EpiX: A 3D Measurement Tool for Heritage, Archeology, and Aerial Photogrammetry. , 2018, , 47-66.		1
36	Impact of Georegistration Accuracy on Wide Area Motion Imagery Object Detection and Tracking. , 2021, , .		1

#	Article	IF	Citations
37	Camera Auto-calibration for Planar Aerial Imagery, Supported by Camera Metadata. , 2017, , .		0