

Kouros Khoshelham

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

2,350
citations

21
h-index

46
g-index

95
ext. papers

2,914
ext. citations

4.6
avg, IF

5.85
L-index

#	Paper	IF	Citations
89	Accuracy and resolution of Kinect depth data for indoor mapping applications. <i>Sensors</i> , 2012 , 12, 1437-54	5.8	1072
88	Indoor Localization Improved by Spatial Context Δ Survey. <i>ACM Computing Surveys</i> , 2019 , 52, 1-35	13.4	68
87	Performance evaluation of automated approaches to building detection in multi-source aerial data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010 , 65, 123-133	11.8	66
86	Effect of slope on treetop detection using a LiDAR Canopy Height Model. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015 , 104, 44-52	11.8	63
85	3D modeling of building indoor spaces and closed doors from imagery and point clouds. <i>Sensors</i> , 2015 , 15, 3491-512	3.8	52
84	Accurate Step Length Estimation for Pedestrian Dead Reckoning Localization Using Stacked Autoencoders. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 2705-2713	5.2	50
83	Locomotion Activity Recognition Using Stacked Denoising Autoencoders. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2085-2093	10.7	49
82	Assessment of relative accuracy of AHN-2 laser scanning data using planar features. <i>Sensors</i> , 2010 , 10, 8198-214	3.8	45
81	Robust and Accurate Smartphone-Based Step Counting for Indoor Localization. <i>IEEE Sensors Journal</i> , 2017 , 17, 3453-3460	4	43
80	Influence of range measurement noise on roughness characterization of rock surfaces using terrestrial laser scanning. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2011 , 48, 1215-1223	6.6	39
79	Evaluation of a LIDAR Land-Based Mobile Mapping System for Monitoring Sandy Coasts. <i>Remote Sensing</i> , 2011 , 3, 1472-1491	5	37
78	BIM-PoseNet: Indoor camera localisation using a 3D indoor model and deep learning from synthetic images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 150, 245-258	11.8	36
77	Segment-Based Classification of Damaged Building Roofs in Aerial Laser Scanning Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 1258-1262	4.1	36
76	User-Independent Motion State Recognition Using Smartphone Sensors. <i>Sensors</i> , 2015 , 15, 30636-52	3.8	33
75	3D Modelling of Interior Spaces: Learning the Language of Indoor Architecture. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 2014 , XL-5, 321-326	2.5	30
74	Automatic Extraction of Railroad Centerlines from Mobile Laser Scanning Data. <i>Remote Sensing</i> , 2015 , 7, 5565-5583	5	29
73	A Split-and-Merge Technique for Automated Reconstruction of Roof Planes. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005 , 71, 855-862	1.6	27

72	Mapping Indoor Spaces by Adaptive Coarse-to-Fine Registration of RGB-D Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 262-266	4.1	26
71	Closed-form solutions for estimating a rigid motion from plane correspondences extracted from point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 114, 78-91	11.8	25
70	Localized Registration of Point Clouds of Botanic Trees. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 631-635	4.1	22
69	Synergy of sampling techniques and ensemble classifiers for classification of urban environments using Full-waveform LiDAR data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 73, 277-291	7.3	21
68	Vehicle Positioning in GNSS-Deprived Urban Areas by Stereo Visual-Inertial Odometry. <i>IEEE Transactions on Intelligent Vehicles</i> , 2018 , 3, 208-217	5	19
67	A Sparsity-Based Regularization Approach for Deconvolution of Full-Waveform Airborne Lidar Data. <i>Remote Sensing</i> , 2016 , 8, 648	5	18
66	MS-RRFsegNet: Multiscale Regional Relation Feature Segmentation Network for Semantic Segmentation of Urban Scene Point Clouds. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 8301-8315	8.1	17
65	Procedural Reconstruction of 3D Indoor Models from Lidar Data Using Reversible Jump Markov Chain Monte Carlo. <i>Remote Sensing</i> , 2020 , 12, 838	5	17
64	BIM-Tracker: A model-based visual tracking approach for indoor localisation using a 3D building model. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 150, 157-171	11.8	17
63	Automated localization of a laser scanner in indoor environments using planar objects 2010 ,		16
62	Vibration measurement of a model wind turbine using high speed photogrammetry 2011 ,		14
61	Infrastructure-Independent Indoor Localization and Navigation. <i>ACM Computing Surveys</i> , 2019 , 52, 1-24	13.4	13
60	Comparative analysis of robust extended Kalman filter and incremental smoothing for UWB/PDR fusion positioning in NLOS environments. <i>Acta Geodaetica Et Geophysica</i> , 2019 , 54, 157-179	1.7	13
59	Door recognition in cluttered building interiors using imagery and lidar data. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XL-5, 203-209	2.5	13
58	Direct generation of level of service maps from images using convolutional and long short-term memory networks. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2019 , 23, 300-308	3.2	13
57	Pose estimation by Omnidirectional Visual-Inertial Odometry. <i>Robotics and Autonomous Systems</i> , 2018 , 105, 26-37	3.5	12
56	Indirect Georeferencing of Terrestrial Laser Scanning Data using Control Lines. <i>Photogrammetric Record</i> , 2013 , 28, 276-292	1.7	12
55	INDOOR NAVIGATION FROM POINT CLOUDS: 3D MODELLING AND OBSTACLE DETECTION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLI-B4, 275-281	2.5	12

54	A Robust and Adaptive Complementary Kalman Filter Based on Mahalanobis Distance for Ultra Wideband/Inertial Measurement Unit Fusion Positioning. <i>Sensors</i> , 2018 , 18,	3.8	12
53	Extraction and accuracy assessment of high-resolution DEM and derived orthoimages from ALOS-PRISM data over Sahel-Doukkala (Morocco). <i>Earth Science Informatics</i> , 2017 , 10, 197-217	2.5	11
52	Omnidirectional visual-inertial odometry using multi-state constraint Kalman filter 2017 ,		11
51	2017 ,		11
50	Landmark Graph-Based Indoor Localization. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8343-8355	10.7	10
49	Role of Tie Points in Integrated Sensor Orientation for Photogrammetric Map Compilation. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009 , 75, 305-311	1.6	10
48	Unsupervised scene adaptation for semantic segmentation of urban mobile laser scanning point clouds. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 169, 253-267	11.8	10
47	Impact of spatial resolution, interpolation and filtering algorithms on DEM accuracy for geomorphometric research: a case study from Sahel-Doukkala, Morocco. <i>Modeling Earth Systems and Environment</i> , 2018 , 4, 1537-1554	3.2	10
46	Obstacle-Aware Indoor Pathfinding Using Point Clouds. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 233	2.9	9
45	A Model-Based Approach to Semi-Automated Reconstruction of Buildings from Aerial Images. <i>Photogrammetric Record</i> , 2004 , 19, 342-359	1.7	9
44	A Recurrent Deep Network for Estimating the Pose of Real Indoor Images from Synthetic Image Sequences. <i>Sensors</i> , 2020 , 20,	3.8	9
43	Locomotion activity recognition: A deep learning approach 2017 ,		8
42	EFFICIENT AND ACCURATE INDOOR LOCALIZATION USING LANDMARK GRAPHS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLI-B2, 509-514	2.5	8
41	Geometric accuracy and semantic richness in heritage BIM: A review. <i>Digital Applications in Archaeology and Cultural Heritage</i> , 2020 , 19, e00166	2.1	8
40	Global Registration of Terrestrial Laser Scanner Point Clouds Using Plane-to-Plane Correspondences. <i>Remote Sensing</i> , 2020 , 12, 1127	5	8
39	A digital twin approach for geometric quality assessment of as-built prefabricated façades. <i>Journal of Building Engineering</i> , 2021 , 41, 102377	5.2	8
38	Real-time monitoring of construction sites: Sensors, methods, and applications. <i>Automation in Construction</i> , 2022 , 136, 104099	9.6	7
37	A multiclass TrAdaBoost transfer learning algorithm for the classification of mobile lidar data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020 , 166, 118-127	11.8	7

36	Individual tree extraction from urban mobile laser scanning point clouds using deep pointwise direction embedding. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 175, 326-339	11.8	7
35	Improved Urban Scene Classification Using Full-Waveform Lidar. <i>Photogrammetric Engineering and Remote Sensing</i> , 2016 , 82, 973-980	1.6	7
34	Quality estimation of nuts using deep learning classification of hyperspectral imagery. <i>Computers and Electronics in Agriculture</i> , 2021 , 180, 105868	6.5	7
33	UWB/PDR Tightly Coupled Navigation with Robust Extended Kalman Filter for NLOS Environments. <i>Mobile Information Systems</i> , 2018 , 2018, 1-14	1.4	7
32	Multi-view crowd congestion monitoring system based on an ensemble of convolutional neural network classifiers. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2020 , 24, 437-448	3.2	6
31	Vehicle positioning in the absence of GNSS signals: Potential of visual-inertial odometry 2017 ,		5
30	Entropy based determination of optimal principal components of Airborne Prism Experiment (APEX) imaging spectrometer data for improved land cover classification. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> ,XL-8, 781-786	2.5	5
29	Sensory landmarks for indoor localization 2016 ,		5
28	Identifying Witness Accounts from Social Media Using Imagery. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 120	2.9	4
27	Direct 6-DoF Pose Estimation from Point-Plane Correspondences 2015 ,		4
26	3D reconstruction of internal wood decay using photogrammetry and sonic tomography. <i>Photogrammetric Record</i> , 2020 , 35, 357-374	1.7	4
25	Range Versus Surface Denoising of Terrestrial Laser Scanning Data for Rock Discontinuity Roughness Estimation. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 3103-3117	5.7	3
24	A WEIGHTED CLOSED-FORM SOLUTION FOR RGB-D DATA REGISTRATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> ,XLI-B3, 403-409	2.5	3
23	Results of the ISPRS benchmark on indoor modelling. <i>ISPRS Open Journal of Photogrammetry and Remote Sensing</i> , 2021 , 2, 100008		3
22	ZeeFi: Zero-Effort Floor Identification with Deep Learning for Indoor Localization 2019 ,		3
21	Quantification of Rock Joint Roughness Using Terrestrial Laser Scanning 2015 , 835-838		2
20	InSiNet: a deep convolutional approach to skin cancer detection and segmentation.. <i>Medical and Biological Engineering and Computing</i> , 2022 , 60, 643	3.1	2
19	Single-image localisation using 3D models: Combining hierarchical edge maps and semantic segmentation for domain adaptation. <i>Automation in Construction</i> , 2022 , 136, 104152	9.6	2

18	Seamless Vehicle Positioning by Lidar-GNSS Integration: Standalone and Multi-Epoch Scenarios. <i>Remote Sensing</i> , 2021 , 13, 4525	5	2
17	EVALUATION OF WAVELET AND NON-LOCAL MEAN DENOISING OF TERRESTRIAL LASER SCANNING DATA FOR SMALL-SCALE JOINT ROUGHNESS ESTIMATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLI-B3</i> , 181-186	2.5	2
16	Detecting Unsigned Physical Road Incidents From Driver-View Images. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021 , 6, 24-33	5	2
15	Atmospheric scene classification using CALIPSO spaceborne lidar measurements in the Middle East and North Africa (MENA), and India. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018 , 73, 721-735	7.3	2
14	Show Me a Safer Way: Detecting Anomalous Driving Behavior Using Online Traffic Footage. <i>Infrastructures</i> , 2019 , 4, 22	2.6	1
13	Indoor localization and navigation independent of sensor based technologies. <i>SIGSPATIAL Special</i> , 2017 , 9, 19-26	2.3	1
12	A review of augmented reality visualization methods for subsurface utilities. <i>Advanced Engineering Informatics</i> , 2022 , 51, 101498	7.4	1
11	Robust iterated extended Kalman filter algorithm for foot-mounted inertial measurement units/ultrawideband fusion positioning. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	1
10	Automated 3D Modeling of Buildings in Suburban Areas Based on Integration of Image and Height Data 2006 , 381-393		1
9	Evaluation of 3D Laser Scanning for Estimation of Heating-Induced Volume Shrinkage and Prediction of Cooking Loss of Pork Cuboids Compared to Manual Measurements. <i>Food and Bioprocess Technology</i> , 2020 , 13, 938-947	5.1	1
8	Application of spectral and spatial indices for specific class identification in Airborne Prism EXperiment (APEX) imaging spectrometer data for improved land cover classification 2016 ,		1
7	Technological opportunities for measuring and monitoring blue carbon initiatives in mangrove ecosystems. <i>Remote Sensing Applications: Society and Environment</i> , 2021 , 24, 100612	2.8	0
6	MAPEAMENTO 3D DE AMBIENTES INTERNOS USANDO DADOS RGB-D. <i>Boletim De Ciencias Geodesicas</i> , 2015 , 21, 442-464	1.1	
5	Kaiser filter for antialiasing in digital photogrammetry. <i>Photogrammetric Record</i> , 2004 , 19, 22-37	1.7	
4	ReCRNet: a deep residual network for crack detection in historical buildings. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	
3	Pose-aware monocular localization of occluded pedestrians in 3D scene space. <i>ISPRS Open Journal of Photogrammetry and Remote Sensing</i> , 2021 , 2, 100006		
2	Implications of spectral and spatial features to improve the identification of specific classes. <i>Journal of Applied Remote Sensing</i> , 2019 , 13, 1	1.4	
1	UM METODO ADAPTATIVO PARA REGISTRO DE DADOS RGB-D. <i>Boletim De Ciencias Geodesicas</i> , 2016 , 22, 132-156	1.1	

