

Csaba Benedek

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,023
citations

516710

16
h-index

610901

24
g-index

39
all docs

39
docs citations

39
times ranked

1016
citing authors

#	ARTICLE	IF	CITATIONS
1	Point cloud registration and change detection in urban environment using an onboard Lidar sensor and MLS reference data. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102767.	1.9	6
2	Positioning and perception in LIDAR point clouds. , 2021, 119, 103193.		12
3	ChangeGAN: A Deep Network for Change Detection in Coarsely Registered Point Clouds. IEEE Robotics and Automation Letters, 2021, 6, 8277-8284.	5.1	9
4	HierarchyNet: Hierarchical CNN-Based Urban Building Classification. Remote Sensing, 2020, 12, 3794.	4.0	25
5	Deep Learning-Based Masonry Wall Image Analysis. Remote Sensing, 2020, 12, 3918.	4.0	10
6	On-the-Fly Camera and Lidar Calibration. Remote Sensing, 2020, 12, 1137.	4.0	11
7	3D CNN-Based Semantic Labeling Approach for Mobile Laser Scanning Data. IEEE Sensors Journal, 2019, 19, 10034-10045.	4.7	20
8	SFM And Semantic Information Based Online Targetless Camera-LIDAR Self-Calibration. , 2019, , .		12
9	Real-Time Point Cloud Alignment for Vehicle Localization in a High Resolution 3D Map. Lecture Notes in Computer Science, 2019, , 226-239.	1.3	25
10	Lidar-Based Gait Analysis and Activity Recognition in a 4D Surveillance System. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 101-113.	8.3	50
11	An Embedded Marked Point Process Framework for Three-Level Object Population Analysis. IEEE Transactions on Image Processing, 2017, 26, 4430-4445.	9.8	6
12	Instant Object Detection in Lidar Point Clouds. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 992-996.	3.1	61
13	3D CNN based phantom object removing from mobile laser scanning data. , 2017, , .		8
14	Change Detection in Urban Streets by a Real Time Lidar Scanner and MLS Reference Data. Lecture Notes in Computer Science, 2017, , 210-220.	1.3	4
15	Crossmodal point cloud registration in the Hough space for mobile laser scanning data. , 2016, , .		7
16	Lidar-based gait analysis in people tracking and 4D visualization. , 2015, , .		7
17	Multilayer Markov Random Field models for change detection in optical remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 107, 22-37.	11.1	47
18	Extraction of Vehicle Groups in Airborne Lidar Point Clouds With Two-Level Point Processes. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1475-1489.	6.3	27

#	ARTICLE	IF	CITATIONS
19	Fast 3-D Urban Object Detection on Streaming Point Clouds. Lecture Notes in Computer Science, 2015, , 628-639.	1.3	12
20	Hierarchical image content analysis with an embedded marked point process framework. , 2014, , .		1
21	3D people surveillance on range data sequences of a rotating Lidar. Pattern Recognition Letters, 2014, 50, 149-158.	4.2	36
22	Moving Target Analysis in ISAR Image Sequences With a Multiframe Marked Point Process Model. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2234-2246.	6.3	21
23	A Bayesian Approach on People Localization in Multicamera Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 105-115.	8.3	31
24	Object extraction in urban environments from large-scale dynamic point cloud datasets. , 2013, , .		5
25	On board 3D object perception in dynamic urban scenes. , 2013, , .		4
26	Solder Paste Scooping Detection by Multilevel Visual Inspection of Printed Circuit Boards. IEEE Transactions on Industrial Electronics, 2013, 60, 2318-2331.	7.9	45
27	Building Development Monitoring in Multitemporal Remotely Sensed Image Pairs with Stochastic Birth-Death Dynamics. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 33-50.	13.9	127
28	Multi-view people surveillance using 3D information. , 2011, , .		17
29	Detection of soldering defects in Printed Circuit Boards with Hierarchical Marked Point Processes. Pattern Recognition Letters, 2011, 32, 1535-1543.	4.2	26
30	ISAR image sequence based Automatic Target Recognition by using a Multi-Frame Marked Point Process model. , 2011, , .		6
31	A 3-D marked point process model for multi-view people detection. , 2011, , .		31
32	Analysis of Solder Paste scooping with hierarchical point processes. , 2011, , .		1
33	Building Detection in a Single Remotely Sensed Image with a Point Process of Rectangles. , 2010, , .		17
34	Efficient building change detection in sparsely populated areas using Coupled Marked Point Processes. , 2010, , .		6
35	Change Detection in Optical Aerial Images by a Multilayer Conditional Mixed Markov Model. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3416-3430.	6.3	196
36	Detection of Object Motion Regions in Aerial Image Pairs With a Multilayer Markovian Model. IEEE Transactions on Image Processing, 2009, 18, 2303-2315.	9.8	29

#	ARTICLE	IF	CITATIONS
37	A Mixed Markov model for change detection in aerial photos with large time differences. , 2008, , .		14
38	Study on color space selection for detecting cast shadows in video surveillance. International Journal of Imaging Systems and Technology, 2007, 17, 190-201.	4.1	49