Gunho Sohn

List of Publications by Year
in descending order

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25 papers	1,256 citations	687363 13 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	1296 citing authors

#	Article	IF	Citations
1	Data fusion of high-resolution satellite imagery and LiDAR data for automatic building extraction. ISPRS Journal of Photogrammetry and Remote Sensing, 2007, 62, 43-63.	11.1	375
2	Results of the ISPRS benchmark on urban object detection and 3D building reconstruction. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 256-271.	11.1	285
3	Classification of airborne laser scanning data using JointBoost. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 100, 71-83.	11.1	165
4	Development and Evaluation of a UAV-Photogrammetry System for Precise 3D Environmental Modeling. Sensors, 2015, 15, 27493-27524.	3.8	92
5	Using a Binary Space Partitioning Tree for Reconstructing Polyhedral Building Models from Airborne Lidar Data. Photogrammetric Engineering and Remote Sensing, 2008, 74, 1425-1438.	0.6	79
6	Implicit Regularization for Reconstructing 3D Building Rooftop Models Using Airborne LiDAR Data. Sensors, 2017, 17, 621.	3.8	31
7	Tree genera classification with geometric features from high-density airborne LiDAR. Canadian Journal of Remote Sensing, 2013, 39, S73-S85.	2.4	26
8	A modelâ€based approach for reconstructing a terrain surface from airborne LIDAR data. Photogrammetric Record, 2008, 23, 170-193.	0.4	24
9	A hybrid framework for single tree detection from airborne laser scanning data: A case study in temperate mature coniferous forests in Ontario, Canada. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 98, 44-57.	11.1	22
10	Multi-Range Conditional Random Field for Classifying Railway Electrification System Objects Using Mobile Laser Scanning Data. Remote Sensing, 2016, 8, 1008.	4.0	16
11	Hybrid Ensemble Classification of Tree Genera Using Airborne LiDAR Data. Remote Sensing, 2014, 6, 11225-11243.	4.0	14
12	Maximizing the Diversity of Ensemble Random Forests for Tree Genera Classification Using High Density LiDAR Data. Remote Sensing, 2016, 8, 646.	4.0	14
13	A line-based progressive refinement of 3D rooftop models using airborne LiDAR data with single view imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 149, 157-175.	11.1	13
14	3D Town: The Automatic Urban Awareness Project. , 2012, , .		11
15	Matching Aerial Images to 3D Building Models Using Context-Based Geometric Hashing. Sensors, 2016, 16, 932.	3.8	11
16	Evolutionary Optimization for Robust Epipolar-Geometry Estimation and Outlier Detection. Algorithms, 2017, 10, 87.	2.1	10
17	High-density stereo image matching using intrinsic curves. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 373-388.	11.1	10
18	Co-registration of aerial photogrammetric and LiDAR point clouds in urban environments using automatic plane correspondence. Applied Geomatics, 2013, 5, 155-166.	2.5	9

#	Article	IF	Citations
19	Wind adaptive modeling of transmission lines using minimum description length. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 125, 193-206.	11.1	9
20	Unmanned aerial image dataset: Ready for 3D reconstruction. Data in Brief, 2019, 25, 103962.	1.0	8
21	Classification of SHOALS 3000 bathymetric LiDAR signals using decision tree and ensemble techniques. , 2009, , .		7
22	Multi-Scale Hierarchical CRF for Railway Electrification Asset Classification From Mobile Laser Scanning Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3131-3148.	4.9	5
23	Context based multiple railway object recognition from mobile laser scanning data. , 2014, , .		2
24	Public Transit Service Reliability Assessment using Two-Fluid Model. Transportation Research Record, 2020, 2674, 89-100.	1.9	2
25	Individual tree species classification using structure features from high density airborne lidar data. , 2010, , .		1