Gunho Sohn

List of Publications by Year
in descending order

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	Public Transit Service Reliability Assessment using Two-Fluid Model. Transportation Research Record, 2020, 2674, 89-100.	1.9	2
2	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
3	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
4	Unmanned aerial image dataset: Ready for 3D reconstruction. Data in Brief, 2019, 25, 103962.	1.0	8
5	High-density stereo image matching using intrinsic curves. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 373-388.	11.1	10
6	Wind adaptive modeling of transmission lines using minimum description length. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 125, 193-206.	11.1	9
7	Implicit Regularization for Reconstructing 3D Building Rooftop Models Using Airborne LiDAR Data. Sensors, 2017, 17, 621.	3.8	31
8	Evolutionary Optimization for Robust Epipolar-Geometry Estimation and Outlier Detection. Algorithms, 2017, 10, 87.	2.1	10
9	Multi-Range Conditional Random Field for Classifying Railway Electrification System Objects Using Mobile Laser Scanning Data. Remote Sensing, 2016, 8, 1008.	4.0	16
10	Matching Aerial Images to 3D Building Models Using Context-Based Geometric Hashing. Sensors, 2016, 16, 932.	3.8	11
11	Maximizing the Diversity of Ensemble Random Forests for Tree Genera Classification Using High Density LiDAR Data. Remote Sensing, 2016, 8, 646.	4.0	14
12	Development and Evaluation of a UAV-Photogrammetry System for Precise 3D Environmental Modeling. Sensors, 2015, 15, 27493-27524.	3.8	92
13	Classification of airborne laser scanning data using JointBoost. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 100, 71-83.	11.1	165
14	Hybrid Ensemble Classification of Tree Genera Using Airborne LiDAR Data. Remote Sensing, 2014, 6, 11225-11243.	4.0	14
15	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
16	Context based multiple railway object recognition from mobile laser scanning data. , 2014, , .		2
17	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
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	Tree genera classification with geometric features from high-density airborne LiDAR. Canadian Journal of Remote Sensing, 2013, 39, S73-S85.	2.4	26
20	3D Town: The Automatic Urban Awareness Project. , 2012, , .		11
21	Individual tree species classification using structure features from high density airborne lidar data. , 2010, , .		1
22	Classification of SHOALS 3000 bathymetric LiDAR signals using decision tree and ensemble techniques. , 2009, , .		7
23	A model‑based approach for reconstructing a terrain surface from airborne LIDAR data. Photogrammetric Record, 2008, 23, 170-193.	0.4	24
24	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
25	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