

Sheng Xu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

538
citations

686830

13
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	Road Curb Extraction From Mobile LiDAR Point Clouds. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 996-1009.	2.7	63
2	Boundary detection and sample reduction for one-class Support Vector Machines. Neurocomputing, 2014, 123, 166-173.	3.5	59
3	A weighted one-class support vector machine. Neurocomputing, 2016, 189, 1-10.	3.5	59
4	Recognizing Street Lighting Poles From Mobile LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 407-420.	2.7	44
5	Automatic extraction of street trees' nonphotosynthetic components from MLS data. International Journal of Applied Earth Observation and Geoinformation, 2018, 69, 64-77.	1.4	41
6	A supervoxel approach to the segmentation of individual trees from LiDAR point clouds. Remote Sensing Letters, 2018, 9, 515-523.	0.6	30
7	A Flexible Architecture for Extracting Metro Tunnel Cross Sections from Terrestrial Laser Scanning Point Clouds. Remote Sensing, 2019, 11, 297.	1.8	28
8	Finding the samples near the decision plane for support vector learning. Information Sciences, 2017, 382-383, 292-307.	4.0	23
9	Power Line Extraction From Mobile LiDAR Point Clouds. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 734-743.	2.3	22
10	An Optimal Hierarchical Clustering Approach to Mobile LiDAR Point Clouds. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2765-2776.	4.7	19
11	Plane Segmentation Based on the Optimal-Vector-Field in LiDAR Point Clouds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3991-4007.	9.7	18
12	A New Clustering-Based Framework to the Stem Estimation and Growth Fitting of Street Trees From Mobile Laser Scanning Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3240-3250.	2.3	15
13	Relative density degree induced boundary detection for one-class SVM. Soft Computing, 2016, 20, 4473-4485.	2.1	13
14	Individual stem detection in residential environments with MLS data. Remote Sensing Letters, 2018, 9, 51-60.	0.6	13
15	Higher-Order Conditional Random Fields-Based 3D Semantic Labeling of Airborne Laser-Scanning Point Clouds. Remote Sensing, 2019, 11, 1248.	1.8	13
16	A new method for shoreline extraction from airborne LiDAR point clouds. Remote Sensing Letters, 2019, 10, 496-505.	0.6	13
17	Separation of Wood and Foliage for Trees From Ground Point Clouds Using a Novel Least-Cost Path Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6414-6425.	2.3	13
18	Energy-Efficient Relay Node Placement in Wireless Heterogeneous Networks with Capacity Constraints. IEEE Access, 2024, , 1-1.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Incorporating neighbors'™ distribution knowledge into support vector machines. <i>Soft Computing</i> , 2017, 21, 6407-6420.	2.1	6
20	Point Cloud Inversion: A Novel Approach for the Localization of Trees in Forests from TLS Data. <i>Remote Sensing</i> , 2021, 13, 338.	1.8	6
21	Feasibility study on the estimation of the living vegetation volume of individual street trees using terrestrial laser scanning. <i>Urban Forestry and Urban Greening</i> , 2022, 71, 127553.	2.3	6
22	An Effectively Dynamic Path Optimization Approach for the Tree Skeleton Extraction from Portable Laser Scanning Point Clouds. <i>Remote Sensing</i> , 2022, 14, 94.	1.8	6
23	A Minimum-Cost Path Model to the Bridge Extraction from Airborne LiDAR Point Clouds. <i>Journal of the Indian Society of Remote Sensing</i> , 2018, 46, 1423-1431.	1.2	5
24	Classification of 3-D Point Clouds by a New Augmentation Convolutional Neural Network. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	5
25	Identification of Street Trees'™ Main Nonphotosynthetic Components from Mobile Laser Scanning Data. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2020, 29, 305-316.	0.4	3
26	Support vectors classification and incremental learning. , 2011, , .		2
27	Building Instance Mapping From ALS Point Clouds Aided by Polygonal Maps. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	2.7	2
28	3-D Contour Deformation for the Point Cloud Segmentation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	2
29	A Gap-Based Method for LiDAR Point Cloud Division. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	0
30	Research on a RBF Neural Network in Stereo Matching. <i>Lecture Notes in Computer Science</i> , 2011, , 284-291.	1.0	0
31	BOUNDARY DEPTH INFORMATION USING HOPFIELD NEURAL NETWORK. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B5, 139-146.	0.2	0