Maryam Rahnemoonfar

List of Publications by Year
in descending order

29 papers	**750** citations

1163117

8 h-index

1199594

12 g-index

30 all docs	**30** docs citations

30 times ranked

713 citing authors

#	Article	IF	Citations
1	Deep multi-scale learning for automatic tracking of internal layers of ice in radar data. Journal of Glaciology, 2021, 67, 39-48.	2.2	20
2	FloodNet: A High Resolution Aerial Imagery Dataset for Post Flood Scene Understanding. IEEE Access, 2021, 9, 89644-89654.	4.2	85
3	Deep Learning on Airborne Radar Echograms for Tracing Snow Accumulation Layers of the Greenland Ice Sheet. Remote Sensing, 2021, 13, 2707.	4.0	5
4	Self Attention Based Semantic Segmentation on a Natural Disaster Dataset. , 2021, , .		4
5	Regression Networks for Calculating Englacial Layer Thickness. , 2021, , .		2
6	Airborne Snow Radar Data Simulation With Deep Learning and Physics-Driven Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12035-12047.	4.9	4
7	UAV-VQG: Visual Question Generation Framework on UAV Images. , 2021, , .		3
8	Comparative Study Between Real-Time and Non-Real-Time Segmentation Models on Flooding Events. , 2021, , .		6
9	Radar Sensor Simulation with Generative Adversarial Network. , 2020, , .		10
10	Comprehensive Semantic Segmentation on High Resolution UAV Imagery for Natural Disaster Damage Assessment. , 2020, , .		18
11	Deep Ice Layer Tracking and Thickness Estimation using Fully Convolutional Networks. , 2020, , .		10
12	Snow Radar Layer Tracking Using Iterative Neural Network Approach. , 2020, , .		2
13	Multi-Scale and Temporal Transfer Learning for Automatic Tracking of Internal Ice Layers. , 2020, , .		7
14	DisCountNet: Discriminating and Counting Network for Real-Time Counting and Localization of Sparse Objects in High-Resolution UAV Imagery. Remote Sensing, 2019, 11, 1128.	4.0	29
15	Smart Tracking of Internal Layers of Ice in Radar Data via Multi-Scale Learning. , 2019, , .		10
16	Semantic Segmentation of Underwater Sonar Imagery with Deep Learning. , 2019, , .		18
17	AI Radar Sensor: Creating Radar Depth Sounder Images Based on Generative Adversarial Network. Sensors, 2019, 19, 5479.	3.8	15
18	Automatic Seagrass Disturbance Pattern Identification on Sonar Images. IEEE Journal of Oceanic Engineering, 2019, 44, 132-141.	3.8	14

#	Article	IF	Citations
19	Deep Hybrid Wavelet Network for Ice Boundary Detection in Radra Imagery. , 2018, , .		12
20	Flooded Area Detection from Uav Images Based on Densely Connected Recurrent Neural Networks. , 2018, , .		35
21	Fluorescence microscopy image segmentation based on graph and fuzzy methods: A comparison with ensemble method. Journal of Intelligent and Fuzzy Systems, 2018, 34, 2563-2578.	1.4	1
22	Real-time yield estimation based on deep learning. , 2017, , .		10
23	Automatic Ice Surface and Bottom Boundaries Estimation in Radar Imagery Based on Level-Set Approach. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5115-5122.	6.3	24
24	Real-time scene understanding for UAV imagery based on deep convolutional neural networks. , 2017, , .		19
25	The First Automatic Method for Mapping the Pothole in Seagrass. , 2017, , .		2
26	Automatic Ice thickness estimation in radar imagery based on charged particles concept. , 2017, , .		12
27	Deep Count: Fruit Counting Based on Deep Simulated Learning. Sensors, 2017, 17, 905.	3.8	359
28	Automatic polar ice thickness estimation from SAR imagery. Proceedings of SPIE, 2016, , .	0.8	3
29	A semi-automatic approach for estimating bedrock and surface layers from multichannel coherent radar depth sounder imagery. Proceedings of SPIE, 2013, , .	0.8	11