Suman Singha

List of Publications by Year
in descending order

22 papers	602 citations	759233 12 h-index	996975 15 g-index
22 all docs	22 docs citations	22 times ranked	703 citing authors

#	Article	IF	Citations
1	Satellite Oil Spill Detection Using Artificial Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2355-2363.	4.9	105
2	A Neural Network-Based Classification for Sea Ice Types on X-Band SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3672-3680.	4.9	94
3	The MOSAiC ice floe: sediment-laden survivor from the Siberian shelf. Cryosphere, 2020, 14, 2173-2187.	3.9	59
4	Investigation into Different Polarimetric Features for Sea Ice Classification Using X-Band Synthetic Aperture Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3131-3143.	4.9	51
5	Arctic Sea Ice Characterization Using Spaceborne Fully Polarimetric L-, C-, and X-Band SAR With Validation by Airborne Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3715-3734.	6.3	45
6	MOSAiC drift expedition from October 2019 to July 2020: sea ice conditions from space and comparison with previous years. Cryosphere, 2021, 15, 3897-3920.	3.9	45
7	Automatic Synthetic Aperture Radar based oil spill detection and performance estimation via a semi-automatic operational service benchmark. Marine Pollution Bulletin, 2013, 73, 199-209.	5.0	41
8	Near real time monitoring of platform sourced pollution using TerraSAR-X over the North Sea. Marine Pollution Bulletin, 2014, 86, 379-390.	5.0	35
9	A Combination of Traditional and Polarimetric Features for Oil Spill Detection Using TerraSAR-X. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4979-4990.	4.9	32
10	Comparing Near Coincident Space Borne C and X Band Fully Polarimetric SAR Data for Arctic Sea Ice Classification. Remote Sensing, 2016, 8, 198.	4.0	30
11	Robustness of SAR Sea Ice Type Classification Across Incidence Angles and Seasons at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9941-9952.	6.3	17
12	Detection and classification of oil spill and look-alike spots from SAR imagery using an Artificial Neural Network. , 2012, , .		15
13	Offshore platform sourced pollution monitoring using space-borne fully polarimetric C and X band synthetic aperture radar. Marine Pollution Bulletin, 2016, 112, 327-340.	5.0	13
14	Pre-Launch Assessment of RADARSAT Constellation Mission Medium Resolution Modes for Sea Oil Slicks and Lookalike Discrimination. Canadian Journal of Remote Sensing, 2019, 45, 530-549.	2.4	9
15	Robust Multiseasonal Ice Classification From High-Resolution X-Band SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	4
16	C- and L-band SAR signatures of Arctic sea ice during freeze-up. Remote Sensing of Environment, 2022, 279, 113129.	11.0	4
17	Dual-polarimetric feature extraction and evaluation for oil spill detection: A near real time perspective. , 2015, , .		2
18	Automating Sea Ice Characterisation from X-Band SAR with Co-Located Airborne Laser Scanner Data Obtained During the Mosaic Expedition. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Evaluation of polarimetric features for sea ice characterization at X, C and L-band SAR. , 2017, , .		0
20	Superposition of Sea Ice Classification Based on Synthetic Aperture Radar Images Considering Underlying Drift. , 2019, , .		0
21	Towards Operational Sea Ice Type Retrieval Using L-Band Synthetic Aperture Radar. , 2019, , .		0
22	Year-Around C- and L- Band Observation Around the Mosaic Ice Floe with High Spatial and Temporal Resolution. , 2021, , .		0