Mattia Callegari

List of Publications by Year
in descending order

21 papers	**238** citations	1162367 **8** h-index	1058022 **14** g-index
30 all docs	**30** docs citations	**30** times ranked	**439** citing authors

#	Article	IF	Citations
1	Combined Use of Sentinel-1 and Sentinel-2 for Glacier Mapping: An Application Over Central East Alps. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4824-4834.	2.3	5
2	Integrating Models and Remote Sensing Data for Distributed Glacier Mass Balance Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6177-6194.	2.3	3
3	Use of Sentinel-1 radar observations to evaluate snowmelt dynamics in alpine regions. Cryosphere, 2020, 14, 935-956.	1.5	36
4	An Unsupervised Method to Detect Rock Glacier Activity by Using Sentinel-1 SAR Interferometric Coherence: A Regional-Scale Study in the Eastern European Alps. Remote Sensing, 2019, 11, 1711.	1.8	10
5	A Novel Data Fusion Technique for Snow Cover Retrieval. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2862-2877.	2.3	12
6	Improving SWE Estimation by Fusion of Snow Models with Topographic and Remotely Sensed Data. Remote Sensing, 2019, 11, 2033.	1.8	8
7	Operational River Discharge Forecasting with Support Vector Regression Technique Applied to Alpine Catchments: Results, Advantages, Limits and Lesson Learned. Water Resources Management, 2018, 32, 229-242.	1.9	9
8	A Novel Data Fusion Technique for Snow Parameter Retrieval. , 2018, , .		0
9	Integration of Remote Sensing with A Hydroclimatological Model for an Improved Monitoring of Alpine Glaciers. , 2018, , .		2
10	Relationship between Spatiotemporal Variations of Climate, Snow Cover and Plant Phenology over the Alps—An Earth Observation-Based Analysis. Remote Sensing, 2018, 10, 1757.	1.8	39
11	A Model Driven Approach for Snow Wetness Retrieval with Sentinel-l. , 2018, , .		0
12	Multi-temporal and multi-source alpine glacier cover classification. , 2017, , .		5
13	On the Direct Calculation of Snow Water Balances Using Snow Cover Information. Water (Switzerland), 2017, 9, 848.	1.2	9
14	Potential of ALOS2 and NDVI to Estimate Forest Above-Ground Biomass, and Comparison with Lidar-Derived Estimates. Remote Sensing, 2017, 9, 18.	1.8	50
15	A Pol-SAR Analysis for Alpine Glacier Classification and Snowline Altitude Retrieval. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3106-3121.	2.3	12
16	Seasonal River Discharge Forecasting Using Support Vector Regression: A Case Study in the Italian Alps. Water (Switzerland), 2015, 7, 2494-2515.	1.2	23
17	Combining RADARSAT-2 and COSMO-SkyMed data for alpine permafrost deformation monitoring. , 2015, , .		0
18	Dune Height Estimation on Titan Exploiting Pairs of Synthetic Aperture Radar Images With Different Observation Angles. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1295-1306.	2.3	4

#	Article	IF	Citations
19	Synergy of Cassini SAR and altimeter acquisitions for the retrieval of dune field characteristics on Titan. Proceedings of SPIE, 2012, , .	0.8	5
20	Integration of X-band SAR and optical thermal data for retrieving snowpack parameters in mountain areas. , 2012, , .		0
21	Validating improved-MODIS products from spectral mixture-Landsat snow cover maps in a mountain region in southern Spain. Proceedings of the International Association of Hydrological Sciences, 0, 380, 67-72.	1.0	3