

Anna Balenzano

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,095
citations

687363

13
h-index

940533

16
g-index

40
all docs

40
docs citations

40
times ranked

1046
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Coherent and Incoherent Change Detection for Soil Moisture Retrieval From Sentinel-1 Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 4 |
| 2 | A roadmap for high-resolution satellite soil moisture applications “confronting product characteristics with user requirements. Remote Sensing of Environment, 2021, 252, 112162. | 11.0 | 138 |
| 3 | Sentinel-1 Sensitivity to Soil Moisture at High Incidence Angle and the Impact on Retrieval Over Seasonal Crops. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7308-7321. | 6.3 | 21 |
| 4 | Sentinel-1 soil moisture at 1km resolution: a validation study. Remote Sensing of Environment, 2021, 263, 112554. | 11.0 | 50 |
| 5 | Dataset of Sentinel-1 surface soil moisture time series at 1 km resolution over Southern Italy. Data in Brief, 2021, 38, 107345. | 1.0 | 6 |
| 6 | Field Scale Soil Moisture From Time Series Of Sentinel-1 & Sentinel-2. , 2020, , . | | 2 |
| 7 | A European Test Site for Ground Data Measurement and Earth Observation Services Validation. , 2020, , . | | 1 |
| 8 | Operational Soil Moisture Mapping at C-Band and Perspectives for L-Band. , 2020, , . | | 1 |
| 9 | Time-Series Retrieval of Soil Moisture Using CYGNSS. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4322-4331. | 6.3 | 133 |
| 10 | Sensitivity of Sentinel-1 Interferometric Coherence to Crop Structure and Soil Moisture. , 2019, , . | | 2 |
| 11 | Sentinel-1 & Sentinel-2 for SOIL Moisture Retrieval at Field Scale. , 2018, , . | | 15 |
| 12 | Sentinel-1 Sensitivity to Soil Moisture at High Incidence Angle and its Impact on Retrieval. , 2018, , . | | 2 |
| 13 | GNSS-R Time-Series Soil Moisture Retrievals from Vegetated Surfaces. , 2018, , . | | 6 |
| 14 | Sentinel-1 & Sentinel-2 Data for Soil Tillage Change Detection. , 2018, , . | | 9 |
| 15 | Cross-Comparison of Three SAR Soil Moisture Retrieval Algorithms Using Synthetic and Experimental Data. , 2018, , . | | 1 |
| 16 | A Time-Series Approach to Estimating Soil Moisture From Vegetated Surfaces Using L-Band Radar Backscatter. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3186-3193. | 6.3 | 60 |
| 17 | Sentinel-1 high resolution soil moisture. , 2017, , . | | 6 |
| 18 | Retrieval of wheat biomass from multitemporal dual polarised SAR observations. , 2015, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Sentinel-1 for wheat mapping and soil moisture retrieval. , 2015, , . | | 8 |
| 20 | A ground network for SAR-derived soil moisture product calibration, validation and exploitation in Southern Italy. , 2014, , . | | 16 |
| 21 | A study of soil moisture estimation from multi-temporal L-band radar observations of vegetated surfaces. , 2014, , . | | 1 |
| 22 | C-Band SAR Data for Mapping Crops Dominated by Surface or Volume Scattering. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 384-388. | 3.1 | 52 |
| 23 | Soil moisture maps from time series of PALSAR-1 scansar data over Australia. , 2013, , . | | 2 |
| 24 | Inter-comparison of hydrological model simulations with time series of SAR-derived soil moisture maps. European Journal of Remote Sensing, 2013, 46, 739-757. | 3.5 | 26 |
| 25 | Assimilation of COSMO-SkyMed-derived LAI maps into the AQUATER crop growth simulation model. Capitanata (Southern Italy) case study. European Journal of Remote Sensing, 2013, 46, 891-908. | 3.5 | 14 |
| 26 | On the use of temporal series of L-and X-band SAR data for soil moisture retrieval. Capitanata plain case study. European Journal of Remote Sensing, 2013, 46, 721-737. | 3.5 | 54 |
| 27 | Time series of COSMO-SkyMed data for landcover classification and surface parameter retrieval over agricultural sites. , 2012, , . | | 10 |
| 28 | COSMO-SkyMed multi-temporal data for land cover classification and soil moisture retrieval over an agricultural site in Southern Australia. , 2012, , . | | 5 |
| 29 | SMOSAR algorithm for soil moisture retrieval using Sentinel-1 data. , 2012, , . | | 17 |
| 30 | Sentinel-1 SAR data for mapping agricultural crops not dominated by volume scattering. , 2012, , . | | 5 |
| 31 | An experimental and theoretical study on the sensitivity of cross-polarized backscatter to soil moisture. , 2012, , . | | 1 |
| 32 | Dense Temporal Series of C- and L-band SAR Data for Soil Moisture Retrieval Over Agricultural Crops. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 439-450. | 4.9 | 212 |
| 33 | Crop Classification Using Short-Revisit Multitemporal SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 423-431. | 4.9 | 115 |
| 34 | Progress in the understanding of narrow directional microwave scattering of agricultural fields. Remote Sensing of Environment, 2011, 115, 2423-2433. | 11.0 | 34 |
| 35 | Land cover classification by using multi-temporal COSMO-SkyMed data. , 2011, , . | | 6 |
| 36 | On the use of multi-temporal series of COSMO-SkyMed data for LANDcover classification and surface parameter retrieval over agricultural sites. , 2011, , . | | 12 |

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|----|---|-----|-----------|
| 37 | Soil moisture retrieval from dense temporal series of C-band SAR data over agricultural sites. , 2011, , . | | 4 |
| 38 | A Comparison of Leaf Area Index Maps Derived from Multi-Sensor Optical Data Acquired over Agricultural Areas. Italian Journal of Agronomy, 2010, 5, 167. | 1.0 | 3 |
| 39 | Optimization of Soil Hydraulic Model Parameters Using Synthetic Aperture Radar Data: An Integrated Multidisciplinary Approach. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 455-467. | 6.3 | 38 |