List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Monitoring precipitation from space: progress, challenges, and opportunities. , 2022, , 239-255.		3
2	Double-scale analysis on the detectability of irrigation signals from remote sensing soil moisture over an area with complex topography in central Italy. Advances in Water Resources, 2022, 161, 104130.	3.8	14
3	Irrigation estimates from space: Implementation of different approaches to model the evapotranspiration contribution within a soil-moisture-based inversion algorithm. Agricultural Water Management, 2022, 265, 107537.	5.6	22
4	Calibration of a Distributed Hydrological Model (VIC-3L) Based on Global Water Resources Reanalysis Datasets. Water Resources Management, 2022, 36, 1287-1306.	3.9	4
5	Irrigation Mapping on Two Contrasted Climatic Contexts Using Sentinel-1 and Sentinel-2 Data. Water (Switzerland), 2022, 14, 804.	2.7	12
6	High-resolution (1 km) satellite rainfall estimation from SM2RAIN applied to Sentinel-1: Po River basin as a case study. Hydrology and Earth System Sciences, 2022, 26, 2481-2497.	4.9	9
7	Estimating rainfall depth from satellite-based soil moisture data: A new algorithm by integrating SM2RAIN and the analytical net water flux models. Journal of Hydrology, 2022, 610, 127868.	5.4	6
8	Regional-scale evaluation of 14 satellite-based precipitation products in characterising extreme events and delineating rainfall thresholds for flood hazards. Atmospheric Research, 2022, 276, 106259.	4.1	15
9	A comprehensive assessment of SM2RAIN-NWF using ASCAT and a combination of ASCAT and SMAP soil moisture products for rainfall estimation. Science of the Total Environment, 2022, 838, 156416.	8.0	4
10	Irrigation Mapping Using Sentinel-1 and Sentinel-2 Data. , 2022, , .		0
11	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
12	Trends in flow intermittence for European rivers. Hydrological Sciences Journal, 2021, 66, 37-49.	2.6	41
13	Development of a data-driven model for spatial and temporal shallow landslide probability of occurrence at catchment scale. Landslides, 2021, 18, 1209-1229.	5.4	33
14	Potentials and limitations of Sentinel-3 for river discharge assessment. Advances in Space Research, 2021, 68, 593-606.	2.6	30
15	Modeling the response of soil moisture to climate variability in the Mediterranean region. Hydrology and Earth System Sciences, 2021, 25, 653-669.	4.9	15
16	Evaluation of satellite/reanalysis precipitation products over Iran. International Journal of Remote Sensing, 2021, 42, 3474-3497.	2.9	19
17	Closing the Water Cycle from Observations across Scales: Where Do We Stand?. Bulletin of the American Meteorological Society, 2021, 102, E1897-E1935.	3.3	31
18	A simple machine learning approach to model real-time streamflow using satellite inputs: Demonstration in a data scarce catchment. Journal of Hydrology, 2021, 595, 126046.	5.4	29

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19	Detecting and mapping irrigated areas in a Mediterranean environment by using remote sensing soil moisture and a land surface model. Journal of Hydrology, 2021, 596, 126129.	5.4	49
20	Assimilation of Satellite Soil Moisture Products for River Flow Prediction: An Extensive Experiment in Over 700 Catchments Throughout Europe. Water Resources Research, 2021, 57, e2021WR029643.	4.2	16
21	Satellite rainfall products outperform ground observations for landslide prediction in India. Hydrology and Earth System Sciences, 2021, 25, 3267-3279.	4.9	19
22	Altimetry for the future: Building on 25 years of progress. Advances in Space Research, 2021, 68, 319-363.	2.6	119
23	Spatiotemporal drought monitoring using bottom-up precipitation dataset (SM2RAIN-ASCAT) over different regions of Iran. Science of the Total Environment, 2021, 779, 146535.	8.0	25
24	The Impact of Probability Density Functions Assessment on Model Performance for Slope Stability Analysis. Geosciences (Switzerland), 2021, 11, 322.	2.2	9
25	Performance Evaluation of Long NDVI Timeseries from AVHRR, MODIS and Landsat Sensors over Landslide-Prone Locations in Qinghai-Tibetan Plateau. Remote Sensing, 2021, 13, 3172.	4.0	8
26	Assessment of bottom-up satellite rainfall products on estimating river discharge and hydrologic signatures in Brazilian catchments. Journal of Hydrology, 2021, 603, 126897.	5.4	16
27	Toward a self-calibrated and independent SM2RAIN rainfall product. Journal of Hydrology, 2021, 603, 126837.	5.4	9
28	The 63-year changes in annual streamflow volumes across Europe with a focus on the Mediterranean basin. Hydrology and Earth System Sciences, 2021, 25, 5589-5601.	4.9	20
29	A Review of Irrigation Information Retrievals from Space and Their Utility for Users. Remote Sensing, 2021, 13, 4112.	4.0	76
30	Evaluating three non-gauge-corrected satellite precipitation estimates by a regional gauge interpolated dataset over Iran. Journal of Hydrology: Regional Studies, 2021, 38, 100942.	2.4	12
31	Regional Approaches in Forecasting Rainfall-Induced Landslides. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 251-256.	0.3	0
32	The International Soil Moisture Network: serving Earth system science for over a decade. Hydrology and Earth System Sciences, 2021, 25, 5749-5804.	4.9	116
33	A comparison between satellite- and model-based approaches developed in the ESA Irrigation+project framework to estimate irrigation quantities. , 2021, , .		3
34	Determining the best remotely sensed DEM for flood inundation mapping in data sparse regions. International Journal of Remote Sensing, 2020, 41, 1884-1906.	2.9	42
35	Combining a rainfall–runoff model and a regionalization approach for flood and water resource assessment in the western Po Valley, Italy. Hydrological Sciences Journal, 2020, 65, 348-370.	2.6	16
36	Reliability of reanalysis and remotely sensed precipitation products for hydrological simulation over the Sefidrood River Basin, Iran. Hydrological Sciences Journal, 2020, 65, 296-310.	2.6	30

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37	Soil moisture as a potential variable for tracking and quantifying irrigation: A case study with proximal gamma-ray spectroscopy data. Advances in Water Resources, 2020, 136, 103502.	3.8	33
38	Testing the potential of soil moisture observations to estimate rainfall in a soil tank experiment. Journal of Hydrology, 2020, 581, 124368.	5.4	6
39	River Flow Monitoring by Sentinel-3 OLCI and MODIS: Comparison and Combination. Remote Sensing, 2020, 12, 3867.	4.0	16
40	River flow prediction in data scarce regions: soil moisture integrated satellite rainfall products outperform rain gauge observations in West Africa. Scientific Reports, 2020, 10, 12517.	3.3	41
41	Exploiting High-Resolution Remote Sensing Soil Moisture to Estimate Irrigation Water Amounts over a Mediterranean Region. Remote Sensing, 2020, 12, 2593.	4.0	48
42	Validation practices for satellite soil moisture retrievals: What are (the) errors?. Remote Sensing of Environment, 2020, 244, 111806.	11.0	164
43	Practical Data Products From Cosmic-Ray Neutron Sensing for Hydrological Applications. Frontiers in Water, 2020, 2, .	2.3	18
44	The Precipitation Inferred from Soil Moisture (PrISM) Near Real-Time Rainfall Product: Evaluation and Comparison. Remote Sensing, 2020, 12, 481.	4.0	32
45	A daily 25 km short-latency rainfall product for data-scarce regions based on the integration of the Global Precipitation Measurement mission rainfall and multiple-satellite soil moisture products. Hydrology and Earth System Sciences, 2020, 24, 2687-2710.	4.9	43
46	The history of rainfall data time-resolution in a wide variety of geographical areas. Journal of Hydrology, 2020, 590, 125258.	5.4	29
47	Cultivation Area Affects the Presence of Fungal Communities and Secondary Metabolites in Italian Durum Wheat Grains. Toxins, 2020, 12, 97.	3.4	19
48	Do Satellite Surface Soil Moisture Observations Better Retain Information About Crop‥ield Variability in Drought Conditions?. Water Resources Research, 2020, 56, e2019WR025855.	4.2	21
49	Soil Moisture and Precipitation: The SM2RAIN Algorithm for Rainfall Retrieval from Satellite Soil Moisture. Advances in Global Change Research, 2020, , 1013-1027.	1.6	3
50	Global-Scale Evaluation of 22 Precipitation Datasets Using Gauge Observations and Hydrological Modeling. Advances in Global Change Research, 2020, , 625-653.	1.6	24
51	Which rainfall score is more informative about the performance in river discharge simulation? A comprehensive assessment on 1318 basins over Europe. Hydrology and Earth System Sciences, 2020, 24, 4869-4885.	4.9	30
52	Challenges in flood modeling over data-scarce regions: how to exploit globally available soil moisture products to estimate antecedent soil wetness conditions in Morocco. Natural Hazards and Earth System Sciences, 2020, 20, 2591-2607.	3.6	19
53	Daily River Discharge Estimates by Merging Satellite Optical Sensors and Radar Altimetry Through Artificial Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 329-341.	6.3	45
54	Toward Global Soil Moisture Monitoring With Sentinel-1: Harnessing Assets and Overcoming Obstacles. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 520-539.	6.3	241

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55	Recent advances in remote sensing of precipitation and soil moisture products for riverine flood prediction. , 2019, , 247-266.		1
56	A Machine Learning Approach for Improving Near-Real-Time Satellite-Based Rainfall Estimates by Integrating Soil Moisture. Remote Sensing, 2019, 11, 2221.	4.0	26
57	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	474
58	Physically based approach for rainfall-induced landslide projections in a changing climate. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 481-495.	1.6	9
59	Quantification of irrigation water using remote sensing of soil moisture in a semi-arid region. Remote Sensing of Environment, 2019, 231, 111226.	11.0	128
60	Predicting Rainfall and Runoff Through Satellite Soil Moisture Data and SWAT Modelling for a Poorly Gauged Basin in Iran. Water (Switzerland), 2019, 11, 594.	2.7	23
61	Complementing near-real time satellite rainfall products with satellite soil moisture-derived rainfall through a Bayesian Inversion approach. Journal of Hydrology, 2019, 573, 341-351.	5.4	18
62	Near-Real-Time Flood Forecasting Based on Satellite Precipitation Products. Remote Sensing, 2019, 11, 252.	4.0	45
63	Integrating multiple satellite observations into a coherent dataset to monitor the full water cycle – application to the Mediterranean region. Hydrology and Earth System Sciences, 2019, 23, 465-491.	4.9	26
64	Estimating irrigation water use over the contiguous United States by combining satellite and reanalysis soil moisture data. Hydrology and Earth System Sciences, 2019, 23, 897-923.	4.9	89
65	A merged SMAP – Sentinel-1 soil moisture product using Artificial Neural Networks: a case study in Central Italy. , 2019, , .		3
66	Integrating Satellite Soil Moisture and Rainfall Data on a Data-Driven Model for the Assessment of Shallow Landslides Hazard. Proceedings (mdpi), 2019, 30, .	0.2	0
67	Soil Water Balance and Vegetation Dynamics in a Semi-arid Mediterranean Ecosystem. Proceedings (mdpi), 2019, 30, 76.	0.2	0
68	Testing of observation operators designed to estimate profile soil moisture from surface measurements. Hydrological Processes, 2019, 33, 575-584.	2.6	15
69	Spatial-temporal variability of soil moisture: Addressing the monitoring at the catchment scale. Journal of Hydrology, 2019, 570, 436-444.	5.4	46
70	Understanding the global hydrological droughts of 2003–2016 and their relationships with teleconnections. Science of the Total Environment, 2019, 650, 2587-2604.	8.0	121
71	SM2RAIN–ASCAT (2007–2018): global daily satellite rainfall data from ASCAT soil moisture observations. Earth System Science Data, 2019, 11, 1583-1601.	9.9	140
72	Assessment of GPM and SM2RAIN-ASCAT rainfall products over complex terrain in southern Italy. Atmospheric Research, 2018, 206, 64-74.	4.1	69

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73	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. Hydrological Sciences Journal, 2018, 63, 169-196.	2.6	151
74	Downscaling near-surface soil moisture from field to plot scale: A comparative analysis under different environmental conditions. Journal of Hydrology, 2018, 557, 97-108.	5.4	26
75	Integration of microwave data from SMAP and AMSR2 for soil moisture monitoring in Italy. Remote Sensing of Environment, 2018, 212, 21-30.	11.0	13
76	How far are we from the use of satellite rainfall products in landslide forecasting?. Remote Sensing of Environment, 2018, 210, 65-75.	11.0	92
77	On the assimilation set-up of ASCAT soil moisture data for improving streamflow catchment simulation. Advances in Water Resources, 2018, 111, 86-104.	3.8	39
78	On the synergy of SMAP, AMSR2 AND SENTINEL-1 for retrieving soil moisture. International Journal of Applied Earth Observation and Geoinformation, 2018, 65, 114-123.	2.8	28
79	Tree species identity and diversity drive fungal richness and community composition along an elevational gradient in a Mediterranean ecosystem. Mycorrhiza, 2018, 28, 39-47.	2.8	48
80	Effects of Different Spatial Precipitation Input Data on Crop Model Outputs under a Central European Climate. Atmosphere, 2018, 9, 290.	2.3	14
81	Soil Moisture from Fusion of Scatterometer and SAR: Closing the Scale Gap with Temporal Filtering. Remote Sensing, 2018, 10, 1030.	4.0	71
82	How much water is used for irrigation? A new approach exploiting coarse resolution satellite soil moisture products. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 752-766.	2.8	107
83	How reliable are satellite precipitation estimates for driving hydrological models: A verification study over the Mediterranean area. Journal of Hydrology, 2018, 563, 950-961.	5.4	74
84	Exploiting Satellite-Based Surface Soil Moisture for Flood Forecasting in the Mediterranean Area: State Update Versus Rainfall Correction. Remote Sensing, 2018, 10, 292.	4.0	91
85	Estimating the drainage rate from surface soil moisture drydowns: Application of DfD model to in situ soil moisture data. Journal of Hydrology, 2018, 565, 489-501.	5.4	10
86	Constraining coupled hydrological-hydraulic flood model by past storm events and post-event measurements in data-sparse regions. Journal of Hydrology, 2018, 565, 160-176.	5.4	17
87	SM2RAIN-CCI: a new global long-term rainfall data set derived from ESA CCI soil moisture. Earth System Science Data, 2018, 10, 267-280.	9.9	101
88	Rainfall Estimation From The Bottom: The Power Of Soil Moisture. , 2018, , .		0
89	Irrigation Quantification From Space Exploiting Satellite Soil Moisture Products. , 2018, , .		0
90	Accuracy versus variability of climate projections for flood assessment in central Italy. Climatic Change, 2017, 141, 273-286.	3.6	9

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91	A Review of the Applications of ASCAT Soil Moisture Products. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2285-2306.	4.9	101
92	Discharge estimation and forecasting by MODIS and altimetry data in Niger-Benue River. Remote Sensing of Environment, 2017, 195, 96-106.	11.0	62
93	Validation practices for satelliteâ€based Earth observation data across communities. Reviews of Geophysics, 2017, 55, 779-817.	23.0	137
94	Near real time de-noising of satellite-based soil moisture retrievals: An intercomparison among three different techniques. Remote Sensing of Environment, 2017, 198, 17-29.	11.0	9
95	Editorial: River basin hydrology and natural hazards: monitoring, prediction and prevention. Hydrology Research, 2017, 48, 613-615.	2.7	0
96	Daily precipitation estimation through different microwave sensors: Verification study over Italy. Journal of Hydrology, 2017, 545, 436-450.	5.4	52
97	A reliable rainfall–runoff model for flood forecasting: review and application to a semi-urbanized watershed at high flood risk in Italy. Hydrology Research, 2017, 48, 726-740.	2.7	37
98	Exploiting a constellation of satellite soil moisture sensors for accurate rainfall estimation. Advances in Water Resources, 2017, 108, 249-255.	3.8	30
99	Correcting satellite-based precipitation products through SMOS soil moisture data assimilation in two land-surface models of different complexity: API and SURFEX. Remote Sensing of Environment, 2017, 200, 295-310.	11.0	39
100	ESA CCI Soil Moisture for improved Earth system understanding: State-of-the art and future directions. Remote Sensing of Environment, 2017, 203, 185-215.	11.0	781
101	The multi temporal/multi-model approach to predictive uncertainty assessment in real-time flood forecasting. Journal of Hydrology, 2017, 551, 555-576.	5.4	28
102	Soil Variability and Biogeochemical Fluxes: Toward a Better Understanding of Soil Processes at the Land Surface. Vadose Zone Journal, 2017, 16, 1-4.	2.2	3
103	Soil Moisture for Hydrological Applications: Open Questions and New Opportunities. Water (Switzerland), 2017, 9, 140.	2.7	210
104	Modeling the water budget of the Upper Blue Nile basin using the JGrass-NewAge model system and satellite data. Hydrology and Earth System Sciences, 2017, 21, 3145-3165.	4.9	51
105	Global-scale evaluation of 22 precipitation datasets using gauge observations and hydrological modeling. Hydrology and Earth System Sciences, 2017, 21, 6201-6217.	4.9	541
106	An assessment of the performance of global rainfall estimates without ground-based observations. Hydrology and Earth System Sciences, 2017, 21, 4347-4361.	4.9	99
107	Soil Electrical Resistivity for Spatial Sampling Design, Prediction, and Uncertainty Modeling of Soil Moisture. Vadose Zone Journal, 2017, 16, 1-14.	2.2	11
108	Soil Moisture Retrievals Based on Active and Passive Microwave Data. , 2016, , 351-378.		2

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109	Use of Satellite Soil Moisture Products for the Operational Mitigation of Landslides Risk in Central Italy. , 2016, , 231-247.		27
110	Analysis of soil moisture dynamics beneath olive trees. Hydrological Processes, 2016, 30, 4339-4352.	2.6	11
111	Robust Assessment of an Operational Algorithm for the Retrieval of Soil Moisture From AMSR-E Data in Central Italy. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2478-2492.	4.9	11
112	Soil moisture and rainfall retrieval from AMSR2 data in Italy. , 2016, , .		0
113	Rainfall estimation by inverting SMOS soil moisture estimates: A comparison of different methods over Australia. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,062.	3.3	59
114	Comparative evaluation of different satellite rainfall estimation products and bias correction in the Upper Blue Nile (UBN) basin. Atmospheric Research, 2016, 178-179, 471-483.	4.1	59
115	Precipitation estimation using <scp>L</scp> â€band and <scp>C</scp> â€band soil moisture retrievals. Water Resources Research, 2016, 52, 7213-7225.	4.2	76
116	Modeling the Effects Induced by the Expected Climatic Trends on Landslide Activity at Large Scale. Procedia Engineering, 2016, 158, 541-545.	1.2	10
117	Spatiotemporal densification of river water level time series by multimission satellite altimetry. Water Resources Research, 2016, 52, 1140-1159.	4.2	97
118	An investigation of the effects of spatial heterogeneity of initial soil moisture content on surface runoff simulation at a small watershed scale. Journal of Hydrology, 2016, 539, 589-598.	5.4	16
119	Assessing the impact of climate-change scenarios on landslide occurrence in Umbria Region, Italy. Journal of Hydrology, 2016, 541, 285-295.	5.4	70
120	Remote Sensing of Terrestrial Rainfall From Ku-Band Scatterometers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 533-539.	4.9	10
121	Comparison of SMOS, modelled and <i>in situ</i> long-term soil moisture series in the northwest of Spain. Hydrological Sciences Journal, 2016, 61, 2610-2625.	2.6	17
122	Rainfall-runoff modelling by using SM2RAIN-derived and state-of-the-art satellite rainfall products over Italy. International Journal of Applied Earth Observation and Geoinformation, 2016, 48, 163-173.	2.8	62
123	Multiyear monitoring of soil moisture over Iran through satellite and reanalysis soil moisture products. International Journal of Applied Earth Observation and Geoinformation, 2016, 48, 85-95.	2.8	41
124	Effects of large gullies on catchment-scale soil moisture spatial behaviors: A case study on the Loess Plateau of China. Geoderma, 2016, 261, 1-10.	5.1	62
125	Soil moisture retrieval at regional scale from AMSR2 data (Conference Presentation). , 2016, , .		0
126	Rainfall estimation from in situ soil moisture observations at several sites in Europe: an evaluation of the SM2RAIN algorithm. Journal of Hydrology and Hydromechanics, 2015, 63, 201-209.	2.0	73

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127	Peer review report 1 on Modelling hydrological losses for varying rainfall and moisture conditions in South Australian Catchments. Journal of Hydrology: Regional Studies, 2015, 3, 17-18.	2.4	0
128	Combined analysis of soil moisture measurements from roving and fixed cosmic ray neutron probes for multiscale realâ€ŧime monitoring. Geophysical Research Letters, 2015, 42, 3389-3396.	4.0	81
129	The Use of H-SAF Soil Moisture Products for Operational Hydrology: Flood Modelling over Italy. Hydrology, 2015, 2, 2-22.	3.0	33
130	Data Assimilation of Satellite Soil Moisture into Rainfall-Runoff Modelling: A Complex Recipe?. Remote Sensing, 2015, 7, 11403-11433.	4.0	89
131	Use of satellite and modeled soil moisture data for predicting event soil loss at plot scale. Hydrology and Earth System Sciences, 2015, 19, 3845-3856.	4.9	18
132	Coupling MODIS and Radar Altimetry Data for Discharge Estimation in Poorly Gauged River Basins. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 141-148.	4.9	52
133	Integration of Optical and Passive Microwave Satellite Data for Flooded Area Detection and Monitoring. , 2015, , 631-635.		3
134	Robust assessment of an operational algorithm for the retrieval of soil moisture from AMSR-E data in central Italy. , 2015, , .		2
135	Catchment-scale variability of absolute versus temporal anomaly soil moisture: Time-invariant part not always plays the leading role. Journal of Hydrology, 2015, 529, 1669-1678.	5.4	23
136	Integration of Satellite Soil Moisture and Rainfall Observations over the Italian Territory. Journal of Hydrometeorology, 2015, 16, 1341-1355.	1.9	56
137	Field test of a multi-frequency electromagnetic induction sensor for soil moisture monitoring in southern Italy test sites. Journal of Hydrology, 2015, 529, 316-329.	5.4	48
138	Fuzzy Logic for Rainfall-Runoff Modelling Considering Soil Moisture. Water Resources Management, 2015, 29, 3519-3533.	3.9	23
139	Assessment of the Drought Hazard in the Tiber River Basin in Central Italy and a Comparison of New and Commonly Used Meteorological Indicators. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	24
140	Evaluation of the ESA CCI soil moisture product using ground-based observations. Remote Sensing of Environment, 2015, 162, 380-395.	11.0	443
141	Using globally available soil moisture indicators for flood modelling in Mediterranean catchments. Hydrology and Earth System Sciences, 2014, 18, 839-853.	4.9	72
142	A simple assimilation method to ingest satellite soil moisture into a limited-area NWP model. Meteorologische Zeitschrift, 2014, 23, 105-121.	1.0	7
143	Improving the representation of soil moisture by using a semiâ€analytical infiltration model. Hydrological Processes, 2014, 28, 2103-2115.	2.6	42
144	Soil as a natural rain gauge: Estimating global rainfall from satellite soil moisture data. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5128-5141.	3.3	308

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145	Climate Change and Decision Support Systems for Water Resource Management. Procedia Engineering, 2014, 70, 1324-1333.	1.2	19
146	The use of remote sensing-derived water surface data for hydraulic model calibration. Remote Sensing of Environment, 2014, 149, 130-141.	11.0	90
147	Clarifications on the "Comparison Between SMOS, VUA, ASCAT, and ECMWF Soil Moisture Products Over Four Watersheds in U.S.â€: IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1901-1906.	6.3	35
148	Impact of Climate Change on Flood Frequency Using Different Climate Models and Downscaling Approaches. Journal of Hydrologic Engineering - ASCE, 2014, 19, .	1.9	85
149	Absolute versus temporal anomaly and percent of saturation soil moisture spatial variability for six networks worldwide. Water Resources Research, 2014, 50, 5560-5576.	4.2	52
150	Potential of soil moisture observations in flood modelling: Estimating initial conditions and correcting rainfall. Advances in Water Resources, 2014, 74, 44-53.	3.8	102
151	Influence of land use on soil moisture spatial–temporal variability and monitoring. Journal of Hydrology, 2014, 516, 193-199.	5.4	102
152	On the Variables to be Considered in Assessing the Impact of Climate Change to Alluvial Aquifers: A Case Study in Central Italy. Procedia Engineering, 2014, 70, 1430-1440.	1.2	1
153	Coupling soil moisture and precipitation observations for predicting hourly runoff at small catchment scale. Journal of Hydrology, 2014, 510, 363-371.	5.4	43
154	A physically based approach for the estimation of root-zone soil moisture from surface measurements. Hydrology and Earth System Sciences, 2014, 18, 1199-1212.	4.9	71
155	Confidence interval of real-time forecast stages provided by the STAFOM-RCM model: the case study of the Tiber River (Italy). Hydrological Processes, 2014, 28, 729-743.	2.6	6
156	Complexityâ€reduction modelling for assessing the macroâ€scale patterns of historical soil moisture in the Euroâ€Mediterranean region. Hydrological Processes, 2014, 28, 3752-3760.	2.6	6
157	Toward the estimation of river discharge variations using MODIS data in ungauged basins. Remote Sensing of Environment, 2013, 136, 47-55.	11.0	88
158	Monitoring multi-decadal satellite earth observation of soil moisture products through land surface reanalyses. Remote Sensing of Environment, 2013, 138, 77-89.	11.0	79
159	Assimilation of satellite soil moisture data into rainfall-runoff modelling for several catchments worldwide. , 2013, , .		6
160	Soil moisture temporal stability at different depths on two alpine hillslopes during wet and dry periods. Journal of Hydrology, 2013, 477, 55-71.	5.4	163
161	A new method for rainfall estimation through soil moisture observations. Geophysical Research Letters, 2013, 40, 853-858.	4.0	187
162	Developing and testing a long-term soil moisture dataset at the catchment scale. Journal of Hydrology, 2013, 490, 144-151.	5.4	19

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163	The ASCAT Soil Moisture Product: A Review of its Specifications, Validation Results, and Emerging Applications. Meteorologische Zeitschrift, 2013, 22, 5-33.	1.0	471
164	Application of a model-based rainfall-runoff database as efficient tool for flood risk management. Hydrology and Earth System Sciences, 2013, 17, 3159-3169.	4.9	34
165	34 years of remotely sensed soil moisture: What climate signals do we (not) see?. , 2013, , .		0
166	Scaling and Filtering Approaches for the Use of Satellite Soil Moisture Observations. , 2013, , 411-426.		21
167	Operations, Challenges, and Prospects of Satellite-Based Surface Soil Moisture Data Services. , 2013, , 463-488.		3
168	Soil Moisture Estimation in Alpine Catchments through Modeling and Satellite Observations. Vadose Zone Journal, 2013, 12, 1-10.	2.2	25
169	Hydraulic modelling calibration in small rivers by using coarse resolution synthetic aperture radar imagery. Hydrological Processes, 2013, 27, 1321-1330.	2.6	34
170	River Discharge Estimation by Using Altimetry Data and Simplified Flood Routing Modeling. Remote Sensing, 2013, 5, 4145-4162.	4.0	120
171	Landwarn: An Operative Early Warning System for Landslides Forecasting Based on Rainfall Thresholds and Soil Moisture. , 2013, , 627-634.		3
172	A multi-sensor (SMOS, AMSR-E and ASCAT) satellite-based soil moisture products inter-comparison. , 2012, , .		5
173	Estimation of antecedent wetness conditions for flood modelling in northern Morocco. Hydrology and Earth System Sciences, 2012, 16, 4375-4386.	4.9	82
174	Assimilation of Surface- and Root-Zone ASCAT Soil Moisture Products Into Rainfall–Runoff Modeling. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2542-2555.	6.3	224
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