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List of Publications by Year
in descending order

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30 papers	1,434 citations	471509 17 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1733 citing authors

#	Article	IF	Citations
1	Upscaling sparse groundâ€based soil moisture observations for the validation of coarseâ€resolution satellite soil moisture products. Reviews of Geophysics, 2012, 50, .	23.0	493
2	The Soil Moisture Active Passive Experiments (SMAPEx): Toward Soil Moisture Retrieval From the SMAP Mission. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 490-507.	6.3	154
3	Evaluation of the SMOS L-MEB passive microwave soil moisture retrieval algorithm. Remote Sensing of Environment, 2009, 113, 435-444.	11.0	101
4	The NAFEâ€™06 data set: Towards soil moisture retrieval at intermediate resolution. Advances in Water Resources, 2008, 31, 1444-1455.	3.8	74
5	Improved Understanding of Soil Surface Roughness Parameterization for L-Band Passive Microwave Soil Moisture Retrieval. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 625-629.	3.1	53
6	Airborne multi-temporal L-band polarimetric SAR data for biomass estimation in semi-arid forests. Remote Sensing of Environment, 2014, 145, 93-104.	11.0	52
7	Validation of the ASAR Global Monitoring Mode Soil Moisture Product Using the NAFE'05 Data Set. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2498-2508.	6.3	40
8	Estimation of soil surface roughness of agricultural soils using airborne LiDAR. Remote Sensing of Environment, 2014, 140, 107-117.	11.0	39
9	Evaluation of the SMAP brightness temperature downscaling algorithm using activeâ€“passive microwave observations. Remote Sensing of Environment, 2014, 155, 210-221.	11.0	39
10	Impact of traffic variability on geographic accessibility to 24/7 emergency healthcare for the urban poor: A GIS study in Dhaka, Bangladesh. PLoS ONE, 2019, 14, e0222488.	2.5	36
11	Soil Moisture Retrieval in Agricultural Fields Using Adaptive Model-Based Polarimetric Decomposition of SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4445-4460.	6.3	35
12	Spatial access inequities and childhood immunisation uptake in Kenya. BMC Public Health, 2020, 20, 1407.	2.9	35
13	Parameterization of the Land Parameter Retrieval Model for L-Band Observations Using the NAFE'05 Data Set. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 630-634.	3.1	34
14	The influence of travel time on emergency obstetric care seeking behavior in the urban poor of Bangladesh: a GIS study. BMC Pregnancy and Childbirth, 2016, 16, 240.	2.4	27
15	Assessing the SMOS Soil Moisture Retrieval Parameters With High-Resolution NAFE'06 Data. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 635-639.	3.1	25
16	Modelling geographical accessibility to support disaster response and rehabilitation of a healthcare system: an impact analysis of Cyclones Idai and Kenneth in Mozambique. BMJ Open, 2020, 10, e039138.	1.9	23
17	An Extension of the Alpha Approximation Method for Soil Moisture Estimation Using Time-Series SAR Data Over Bare Soil Surfaces. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1328-1332.	3.1	20
18	A proposed extension to the soil moisture and ocean salinity level 2 algorithm for mixed forest and moderate vegetation pixels. Remote Sensing of Environment, 2011, 115, 3343-3354.	11.0	19

#	Article	IF	Citations
19	Wheat Canopy Structure and Surface Roughness Effects on Multiangle Observations at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 1498-1506.	6.3	18
20	Simulation of the SMAP Data Stream From SMAPEx Field Campaigns in Australia. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1921-1934.	6.3	18
21	Intercomparison of Alternate Soil Moisture Downscaling Algorithms Using Activeâ€“Passive Microwave Observations. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 179-183.	3.1	18
22	Forest Biomass Estimation at High Spatial Resolution: Radar Versus Lidar Sensors. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 711-715.	3.1	15
23	The Polarimetric L-Band Imaging Synthetic Aperture Radar (PLIS): Description, Calibration, and Cross-Validation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4513-4525.	4.9	15
24	Optimising geographical accessibility to primary health care: a geospatial analysis of community health posts and community health workers in Niger. BMJ Global Health, 2021, 6, e005238.	4.7	15
25	Medium-Resolution Soil Moisture Retrieval Using the Bayesian Merging Method. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6482-6493.	6.3	12
26	Evaluation of the Tauâ€“Omega Model for Passive Microwave Soil Moisture Retrieval Using SMAPEx Datasets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 888-895.	4.9	12
27	COSMO-SkyMed multi-temporal data for land cover classification and soil moisture retrieval over an agricultural site in Southern Australia. , 2012, , .		5
28	Modelling improved efficiency in healthcare referral systems for the urban poor using a geo-referenced health facility data: the case of Sylhet City Corporation, Bangladesh. BMC Public Health, 2020, 20, 1476.	2.9	4
29	Soil moisture maps from time series of PALSAR-1 scansar data over Australia. , 2013, , .		2
30	A study of soil moisture estimation from multi-temporal L-band radar observations of vegetated surfaces. , 2014, , .		1