Mohammad El Hajj

List of Publications by Year
in descending order

33 papers	1,753 citations	346980 22 h-index	511568 30 g-index
34 all docs	34 docs citations	34 times ranked	1721 citing authors

#	Article	IF	Citations
1	Exploring the use of synthetic aperture radar data for irrigation management in super high-density olive orchards. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102878.	0.9	1
2	Integration of L-Band Derived Soil Roughness into a Bare Soil Moisture Retrieval Approach from C-Band SAR Data. Remote Sensing, 2021, 13, 2102.	1.8	10
3	Analysis of multi-frequency and multi-polarization SAR data for wetland mapping in Hamoun-e-Hirmand wetland. International Journal of Remote Sensing, 2020, 41, 2277-2302.	1.3	12
4	Potential for the Detection of Irrigation Events on Maize Plots Using Sentinel-1 Soil Moisture Products. Remote Sensing, 2020, 12, 1621.	1.8	34
5	Mapping Irrigated Areas Using Sentinel-1 Time Series in Catalonia, Spain. Remote Sensing, 2019, 11, 1836.	1.8	65
6	Comparative analysis of the accuracy of surface soil moisture estimation from the C- and L-bands. International Journal of Applied Earth Observation and Geoinformation, 2019, 82, 101888.	1.4	28
7	Bare Soil Surface Moisture Retrieval from Sentinel-1 SAR Data Based on the Calibrated IEM and Dubois Models Using Neural Networks. Sensors, 2019, 19, 3209.	2.1	56
8	Sentinel-1 Data for Winter Wheat Phenology Monitoring and Mapping. Remote Sensing, 2019, 11, 2228.	1.8	65
9	Penetration Analysis of SAR Signals in the C and L Bands for Wheat, Maize, and Grasslands. Remote Sensing, 2019, 11, 31.	1.8	94
10	Mapping Paddy Rice Using Sentinel-1 SAR Time Series in Camargue, France. Remote Sensing, 2019, 11, 887.	1.8	105
11	Mapping of aboveground biomass in Gabon. Comptes Rendus - Geoscience, 2019, 351, 321-331.	0.4	11
12	Potential of Sentinel-1 Surface Soil Moisture Product for Detecting Heavy Rainfall in the South of France. Sensors, 2019, 19, 802.	2.1	18
13	First Vegetation Optical Depth Mapping from Sentinel-1 C-band SAR Data over Crop Fields. Remote Sensing, 2019, 11, 2769.	1.8	31
14	A Comparison of Two Soil Moisture Products S2MP and Copernicus-SSM Over Southern France. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3366-3375.	2.3	30
15	Soil Moisture and Irrigation Mapping in A Semi-Arid Region, Based on the Synergetic Use of Sentinel-1 and Sentinel-2 Data. Remote Sensing, 2018, 10, 1953.	1.8	108
16	Potential of Sentinel-1 for Estimating the Soil Roughness Over Agricultural Soils. , 2018, , .		2
17	Potential of Sentinel-1 Images for Estimating the Soil Roughness over Bare Agricultural Soils. Water (Switzerland), 2018, 10, 131.	1.2	32
18	Evaluation of SMOS, SMAP, ASCAT and Sentinel-1 Soil Moisture Products at Sites in Southwestern France. Remote Sensing, 2018, 10, 569.	1.8	68

#	Article	IF	Citations
19	Detection of Frozen Soil Using Sentinel-1 SAR Data. Remote Sensing, 2018, 10, 1182.	1.8	28
20	Evaluation of the Oh, Dubois and IEM Backscatter Models Using a Large Dataset of SAR Data and Experimental Soil Measurements. Water (Switzerland), 2017, 9, 38.	1.2	67
21	Interest of Integrating Spaceborne LiDAR Data to Improve the Estimation of Biomass in High Biomass Forested Areas. Remote Sensing, 2017, 9, 213.	1.8	25
22	Calibration of the Water Cloud Model at C-Band for Winter Crop Fields and Grasslands. Remote Sensing, 2017, 9, 969.	1.8	136
23	Synergic Use of Sentinel-1 and Sentinel-2 Images for Operational Soil Moisture Mapping at High Spatial Resolution over Agricultural Areas. Remote Sensing, 2017, 9, 1292.	1.8	240
24	Potential of Sentinel-1 Radar Data for the Assessment of Soil and Cereal Cover Parameters. Sensors, 2017, 17, 2617.	2.1	116
25	Analysis of Sentinel-1 Radiometric Stability and Quality for Land Surface Applications. Remote Sensing, 2016, 8, 406.	1.8	33
26	A New Empirical Model for Radar Scattering from Bare Soil Surfaces. Remote Sensing, 2016, 8, 920.	1.8	82
27	Integration of remote sensing derived parameters in crop models: Application to the PILOTE model for hay production. Agricultural Water Management, 2016, 176, 67-79.	2.4	16
28	Radar Backscattering Coefficient Over Bare Soils at Ka-Band Close to Nadir Angle. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1290-1294.	1.4	10
29	Integration of remote sensing derived parameters in a crop model: Case of hay. , 2016, , .		0
30	Soil moisture retrieval over irrigated grassland using X-band SAR data. Remote Sensing of Environment, 2016, 176, 202-218.	4.6	149
31	Soil moisture retrieval over irrigated grasslands using X-band SAR data combined with optical data acquired at high resolution. , 2015, , .		2
32	Signal Level Comparison Between TerraSAR-X and COSMO-SkyMed SAR Sensors. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 448-452.	1.4	12
33	Irrigated Grassland Monitoring Using a Time Series of TerraSAR-X and COSMO-SkyMed X-Band SAR Data. Remote Sensing, 2014, 6, 10002-10032.	1.8	67