Alejandro Monsivais-Huertero

List of Publications by Year
in descending order

33 papers	466 citations	10 h-index (933447)	15 g-index (996975)
34 all docs	34 docs citations	34 times ranked	626 citing authors

#	Article	IF	Citations
1	Radar Remote Sensing of Agricultural Canopies: A Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2249-2273.	4.9	228
2	Effect of simultaneous state–parameter estimation and forcing uncertainties on root-zone soil moisture for dynamic vegetation using EnKF. Advances in Water Resources, 2010, 33, 468-484.	3.8	36
3	Particle Filter-based assimilation algorithms for improved estimation of root-zone soil moisture under dynamic vegetation conditions. Advances in Water Resources, 2011, 34, 433-447.	3.8	36
4	Assessing food security and environmental protection in Mexico with a GIS-based Food Environmental Efficiency index. Land Use Policy, 2018, 76, 442-454.	5.6	18
5	Phenology-Based Backscattering Model for Corn at L-Band. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4989-5005.	6.3	18
6	Response of Subdaily L-Band Backscatter to Internal and Surface Canopy Water Dynamics. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7322-7337.	6.3	17
7	Assimilation of Active and Passive Microwave Observations for Improved Estimates of Soil Moisture and Crop Growth. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1357-1369.	4.9	16
8	Comparison of Backscattering Models at L-Band for Growing Corn. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 24-28.	3.1	15
9	High-Resolution Inundation Mapping for Heterogeneous Land Covers with Synthetic Aperture Radar and Terrain Data. Remote Sensing, 2020, 12, 900.	4.0	14
10	Impact of Assimilating Passive Microwave Observations on Root-Zone Soil Moisture Under Dynamic Vegetation Conditions. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4279-4291.	6.3	12
11	Impact of temporal variations in vegetation optical depth and vegetation temperature on L-band passive soil moisture retrievals over a tropical forest using *in-situ* information. International Journal of Remote Sensing, 2020, 41, 2098-2139.	2.9	10
12	Impact of Bias Correction Methods on Estimation of Soil Moisture When Assimilating Active and Passive Microwave Observations. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 262-278.	6.3	9
13	Impact of vegetation water content information on soil moisture retrievals in agricultural regions: An analysis based on the SMAPVEX16-MicroWEX dataset. Remote Sensing of Environment, 2021, 265, 112623.	11.0	9
14	Assessment of NASA SMAP Soil Moisture Products for Agricultural Regions in Central Mexico: An Analysis Based on the THEXMEX Dataset. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3421-3443.	4.9	8
15	The Thexmex-18 Dataset: Understanding the Soil and Vegetation Dynamics of Agricultural Fields in Central Mexico from L-Band SMAP Observations. , 2019, , .		6
16	Understanding root-zone soil moisture in agricultural regions of Central Mexico using the ensemble Kalman filter, satellite-derived information, and the THEXMEX-18 dataset. International Journal of Digital Earth, 2022, 15, 52-78.	3.9	5
17	Scattering from sahelian grassland: a coherent modeling. , 2007, , .		3
18	Sahelian-Grassland Parameter Estimation from Backscattered Radar Response. , 2008, , .		2

#	Article	IF	Citations
19	Application of a coherent modeling on Sahelian grassland. , 2007, , .		1
20	Scattering modeling of dynamic soybean during SMAPVEX16-MicroWEX. , 2017, , .		1
21	Validation of Microwave Models to Identify Extreme Conditions in Mexican Ecosystems. , 2021, , .		1
22	Understanding the Backscattering from Sentinel-1 Over a Growing Season of Corn in Central Mexico Using the Thexmex Datasets. , 2020, , .		1
23	Spatio-temporal estimation of soil moisture in a tropical region using a remote sensing algorithm. , 2011, , .		0
24	Delineation of hydrocarbon contaminated soils using optical and radar images in a costal region. , 2013, , .		0
25	Simplified model for estimating the backscatter signal at C-band from a tropical forest in Southern Mexico. , 2014, , .		0
26	Assessment of the smap brightness temperature downscaling algorithm using active-passive observations over a tropical forest in Mexico. , 2016, , .		0
27	Understanding the dynamic of a tropical forest located in Southern Mexico using remotely sensed data. , 2016, , .		0
28	Backscattering model for dynamic corn during SMAPVEX16-MicroWEX. , 2017, , .		0
29	Calibration of Scattering Models for Growing Corn and Soybean at C-Band Using Sentinel-1 and Radarsat-2 Observations. , 2018, , .		0
30	Data Assimilation of Remotely Sensed Soil Moisture to Detect Water Stress Periods in Agricultural Areas. , 2021, , .		0
31	Comparison of SMAP Retrieval Soil Moisture Level 2 Product with in Situ Measurements Over Corn Fields in Central Mexico. , 2020, , .		0
32	Monitoring Vegetation Conditions Over Agricultural Regions Using Active Observations. , 2020, , .		0
33	Calibration of a SVAT Model in the Central Zone of Mexico with In-Situ Data over a Corn Field Region. , 2020, , .		0