Offer Rozenstein

List of Publications by Year
in descending order

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31 papers	1,183 citations	516710 16 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	1579 citing authors

#	Article	IF	Citations
1	Comparing Methods to Extract Crop Height and Estimate Crop Coefficient from UAV Imagery Using Structure from Motion. Remote Sensing, 2022, 14, 810.	4.0	12
2	Introducing State-of-the-Art Deep Learning Technique for Gap-Filling of Eddy Covariance Crop Evapotranspiration Data. Water (Switzerland), 2022, 14, 763.	2.7	4
3	Soil priorities in Israel. Geoderma Regional, 2022, 29, e00505.	2.1	1
4	Fusion of Sentinel-2 and PlanetScope time-series data into daily 3Âm surface reflectance and wheat LAI monitoring. International Journal of Applied Earth Observation and Geoinformation, 2021, 96, 102260.	2.8	44
5	Detection of Potassium Deficiency and Momentary Transpiration Rate Estimation at Early Growth Stages Using Proximal Hyperspectral Imaging and Extreme Gradient Boosting. Sensors, 2021, 21, 958.	3.8	17
6	Pepper Plants Leaf Spectral Reflectance Changes as a Result of Root Rot Damage. Remote Sensing, 2021, 13, 980.	4.0	5
7	Estimating Processing Tomato Water Consumption, Leaf Area Index, and Height Using Sentinel-2 and VENÂµS Imagery. Remote Sensing, 2021, 13, 1046.	4.0	15
8	Spaceborne Estimation of Leaf Area Index in Cotton, Tomato, and Wheat Using Sentinel-2. Land, 2021, 10, 505.	2.9	15
9	Normalizing the Local Incidence Angle in Sentinel-1 Imagery to Improve Leaf Area Index, Vegetation Height, and Crop Coefficient Estimations. Land, 2021, 10, 680.	2.9	22
10	Studying the Feasibility of Assimilating Sentinel-2 and PlanetScope Imagery into the SAFY Crop Model to Predict Within-Field Wheat Yield. Remote Sensing, 2021, 13, 2395.	4.0	14
11	Generating Up-to-Date Crop Maps Optimized for Sentinel-2 Imagery in Israel. Remote Sensing, 2021, 13, 3488.	4.0	4
12	Soil Moisture Retrieval over a Vegetation-Covered Area Using ALOS-2 L-Band Synthetic Aperture Radar Data. Remote Sensing, 2021, 13, 3894.	4.0	7
13	Continuous seasonal monitoring of nitrogen and water content in lettuce using a dual phenomics system. Journal of Experimental Botany, 2021, , .	4.8	1
14	Practices for upscaling crop simulation models from field scale to large regions. Computers and Electronics in Agriculture, 2020, 175, 105554.	7.7	35
15	A Hyperspectral-Physiological Phenomics System: Measuring Diurnal Transpiration Rates and Diurnal Reflectance. Remote Sensing, 2020, 12, 1493.	4.0	17
16	Validation of the cotton crop coefficient estimation model based on Sentinel-2 imagery and eddy covariance measurements. Agricultural Water Management, 2019, 223, 105715.	5.6	24
17	Developing Transformation Functions for VENÎ¼S and Sentinel-2 Surface Reflectance over Israel. Remote Sensing, 2019, 11, 1710.	4.0	20
18	A new approach for biocrust and vegetation monitoring in drylands using multi-temporal Sentinel-2 images. Progress in Physical Geography, 2019, 43, 496-520.	3.2	18

#	Article	IF	Citations
19	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversityâ€"Part I: Soil Characteristics. Remote Sensing, 2019, 11, 2356.	4.0	46
20	Mapping Surface Quartz Content in Sand Dunes Covered by Biological Soil Crusts Using Airborne Hyperspectral Images in the Longwave Infrared Region. Minerals (Basel, Switzerland), 2018, 8, 318.	2.0	11
21	Estimating cotton water consumption using a time series of Sentinel-2 imagery. Agricultural Water Management, 2018, 207, 44-52.	5.6	64
22	A review of progress in identifying and characterizing biocrusts using proximal and remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2017, 57, 245-255.	2.8	23
23	Linking Spaceborne and Ground Observations of Autumn Foliage Senescence in Southern QuÃ©bec, Canada. Remote Sensing, 2017, 9, 630.	4.0	9
24	Investigating the backscatter contrast anomaly in synthetic aperture radar (SAR) imagery of the dunes along the Israelâ€"Egypt border. International Journal of Applied Earth Observation and Geoinformation, 2016, 46, 13-21.	2.8	14
25	Comparing the Effect of Preprocessing Transformations on Methods of Land-Use Classification Derived From Spectral Soil Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2393-2404.	4.9	29
26	Diurnal emissivity dynamics in bare versus biocrusted sand dunes. Science of the Total Environment, 2015, 506-507, 422-429.	8.0	29
27	Identification and characterization of Biological Soil Crusts in a sand dune desert environment across Israelâ€"Egypt border using LWIR emittance spectroscopy. Journal of Arid Environments, 2015, 112, 75-86.	2.4	35
28	Derivation of Land Surface Temperature for Landsat-8 TIRS Using a Split Window Algorithm. Sensors, 2014, 14, 5768-5780.	3.8	290
29	The effect of sand grain size on the development of cyanobacterial biocrusts. Aeolian Research, 2014, 15, 217-226.	2.7	82
30	Do dune sands redden with age? The case of the northwestern Negev dunefield, Israel. Aeolian Research, 2012, 5, 63-75.	2.7	35
31	Comparison of methods for land-use classification incorporating remote sensing and GIS inputs. Applied Geography, 2011, 31, 533-544.	3.7	234