

# Offer Rozenstein

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11348194/publications.pdf>

Version: 2024-02-01

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	Derivation of Land Surface Temperature for Landsat-8 TIRS Using a Split Window Algorithm. <i>Sensors</i> , 2014, 14, 5768-5780.	3.8	290
2	Comparison of methods for land-use classification incorporating remote sensing and GIS inputs. <i>Applied Geography</i> , 2011, 31, 533-544.	3.7	234
3	The effect of sand grain size on the development of cyanobacterial biocrusts. <i>Aeolian Research</i> , 2014, 15, 217-226.	2.7	82
4	Estimating cotton water consumption using a time series of Sentinel-2 imagery. <i>Agricultural Water Management</i> , 2018, 207, 44-52.	5.6	64
5	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversityâ€”Part I: Soil Characteristics. <i>Remote Sensing</i> , 2019, 11, 2356.	4.0	46
6	Fusion of Sentinel-2 and PlanetScope time-series data into daily 3Âm surface reflectance and wheat LAI monitoring. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 96, 102260.	2.8	44
7	Do dune sands redden with age? The case of the northwestern Negev dunefield, Israel. <i>Aeolian Research</i> , 2012, 5, 63-75.	2.7	35
8	Identification and characterization of Biological Soil Crusts in a sand dune desert environment across Israelâ€”Egypt border using LWIR emittance spectroscopy. <i>Journal of Arid Environments</i> , 2015, 112, 75-86.	2.4	35
9	Practices for upscaling crop simulation models from field scale to large regions. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105554.	7.7	35
10	Comparing the Effect of Preprocessing Transformations on Methods of Land-Use Classification Derived From Spectral Soil Measurements. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2393-2404.	4.9	29
11	Diurnal emissivity dynamics in bare versus biocrusted sand dunes. <i>Science of the Total Environment</i> , 2015, 506-507, 422-429.	8.0	29
12	Validation of the cotton crop coefficient estimation model based on Sentinel-2 imagery and eddy covariance measurements. <i>Agricultural Water Management</i> , 2019, 223, 105715.	5.6	24
13	A review of progress in identifying and characterizing biocrusts using proximal and remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 57, 245-255.	2.8	23
14	Normalizing the Local Incidence Angle in Sentinel-1 Imagery to Improve Leaf Area Index, Vegetation Height, and Crop Coefficient Estimations. <i>Land</i> , 2021, 10, 680.	2.9	22
15	Developing Transformation Functions for VENÎ¼S and Sentinel-2 Surface Reflectance over Israel. <i>Remote Sensing</i> , 2019, 11, 1710.	4.0	20
16	A new approach for biocrust and vegetation monitoring in drylands using multi-temporal Sentinel-2 images. <i>Progress in Physical Geography</i> , 2019, 43, 496-520.	3.2	18
17	A Hyperspectral-Physiological Phenomics System: Measuring Diurnal Transpiration Rates and Diurnal Reflectance. <i>Remote Sensing</i> , 2020, 12, 1493.	4.0	17
18	Detection of Potassium Deficiency and Momentary Transpiration Rate Estimation at Early Growth Stages Using Proximal Hyperspectral Imaging and Extreme Gradient Boosting. <i>Sensors</i> , 2021, 21, 958.	3.8	17

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19	Estimating Processing Tomato Water Consumption, Leaf Area Index, and Height Using Sentinel-2 and VENÅµS Imagery. <i>Remote Sensing</i> , 2021, 13, 1046.	4.0	15
20	Spaceborne Estimation of Leaf Area Index in Cotton, Tomato, and Wheat Using Sentinel-2. <i>Land</i> , 2021, 10, 505.	2.9	15
21	Investigating the backscatter contrast anomaly in synthetic aperture radar (SAR) imagery of the dunes along the Israel–Egypt border. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 46, 13-21.	2.8	14
22	Studying the Feasibility of Assimilating Sentinel-2 and PlanetScope Imagery into the SAFY Crop Model to Predict Within-Field Wheat Yield. <i>Remote Sensing</i> , 2021, 13, 2395.	4.0	14
23	Comparing Methods to Extract Crop Height and Estimate Crop Coefficient from UAV Imagery Using Structure from Motion. <i>Remote Sensing</i> , 2022, 14, 810.	4.0	12
24	Mapping Surface Quartz Content in Sand Dunes Covered by Biological Soil Crusts Using Airborne Hyperspectral Images in the Longwave Infrared Region. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 318.	2.0	11
25	Linking Spaceborne and Ground Observations of Autumn Foliage Senescence in Southern QuÅ©bec, Canada. <i>Remote Sensing</i> , 2017, 9, 630.	4.0	9
26	Soil Moisture Retrieval over a Vegetation-Covered Area Using ALOS-2 L-Band Synthetic Aperture Radar Data. <i>Remote Sensing</i> , 2021, 13, 3894.	4.0	7
27	Pepper Plants Leaf Spectral Reflectance Changes as a Result of Root Rot Damage. <i>Remote Sensing</i> , 2021, 13, 980.	4.0	5
28	Generating Up-to-Date Crop Maps Optimized for Sentinel-2 Imagery in Israel. <i>Remote Sensing</i> , 2021, 13, 3488.	4.0	4
29	Introducing State-of-the-Art Deep Learning Technique for Gap-Filling of Eddy Covariance Crop Evapotranspiration Data. <i>Water (Switzerland)</i> , 2022, 14, 763.	2.7	4
30	Soil priorities in Israel. <i>Geoderma Regional</i> , 2022, 29, e00505.	2.1	1
31	Continuous seasonal monitoring of nitrogen and water content in lettuce using a dual phenomics system. <i>Journal of Experimental Botany</i> , 2021, , .	4.8	1