

Maxim Shoshany

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,484
citations

361296

20
h-index

330025

37
g-index

55
all docs

55
docs citations

55
times ranked

1911
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass estimation of crops and natural shrubs by combining red-edge ratio with normalized difference vegetation index. <i>Journal of Applied Remote Sensing</i> , 2022, 16, .	0.6	4
2	An Improved Radiative Transfer Model for Polarimetric Backscattering from Agricultural Fields at C- and X-Bands. <i>Journal of Electromagnetic Engineering and Science</i> , 2021, 21, 104-110.	0.7	2
3	Assessment of plant species distribution and diversity along a climatic gradient from Mediterranean woodlands to semi-arid shrublands. <i>GIScience and Remote Sensing</i> , 2021, 58, 929-953.	2.4	12
4	Multi Seasonal Deep Learning Classification of Venus Images. , 2020, , .		0
5	Spatial and Temporal Monitoring of Pasture Ecological Quality: Sentinel-2-Based Estimation of Crude Protein and Neutral Detergent Fiber Contents. <i>Remote Sensing</i> , 2019, 11, 799.	1.8	31
6	Overcast versus clear-sky remote sensing: comparing surface reflectance estimates. <i>International Journal of Remote Sensing</i> , 2019, 40, 6737-6751.	1.3	3
7	Ground Truth Simulation for Deep Learning Classification of Mid-Resolution Venus Images Via Unmixing of High-Resolution Hyperspectral Fenix Data. , 2019, , .		1
8	Spatially adaptive hyperspectral unmixing through endmembers analytical localization based on sums of anisotropic 2D Gaussians. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 141, 185-207.	4.9	5
9	Polarimetric Radar Vegetation Index for Biomass Estimation in Desert Fringe Ecosystems. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 7102-7108.	2.7	45
10	A Stepwise Analytical Projected Gradient Descent Search for Hyperspectral Unmixing and Its Code Vectorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4925-4943.	2.7	22
11	Radar polarization and ecological pattern properties across Mediterranean-to-arid transition zone. <i>Remote Sensing of Environment</i> , 2017, 200, 368-377.	4.6	10
12	Can spatial patterns along climatic gradients predict ecosystem responses to climate change? Experimenting with reaction-diffusion simulations. <i>PLoS ONE</i> , 2017, 12, e0174942.	1.1	7
13	Mediterranean shrublands biomass estimation using Sentinel-1 and Sentinel-2. , 2016, , .		31
14	Red-edge ratio Normalized Vegetation Index for remote estimation of green biomass. , 2016, , .		5
15	The response of shrubland patterns' properties to rainfall changes and to the catastrophic removal of plants in semi-arid regions predicted by Reactionâ€“Diffusion simulations. <i>Ecological Informatics</i> , 2016, 32, 156-166.	2.3	5
16	Relationships between soil spectral and chemical properties along a climatic gradient in the Judean desert. <i>Arid Land Research and Management</i> , 2016, 30, 123-137.	0.6	6
17	Remote Sensing of Shrubland Drying in the South-East Mediterranean, 1995â€“2010: Water-Use-Efficiency-Based Mapping of Biomass Change. <i>Remote Sensing</i> , 2015, 7, 2283-2301.	1.8	14
18	Spatially adaptive hyperspectral unmixing based on sums of 2D Gaussians for modelling endmember fraction surfaces. , 2015, , .		0

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19	Combining leaf physiology, hyperspectral imaging and partial least squares-regression (PLS-R) for grapevine water status assessment. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 109, 88-97.	4.9	126
20	Night-Time Ground Hyperspectral Imaging for Urban-Scale Remote Sensing of Ambient PM _{2.5} Modal Concentrations Retrieval. <i>Environmental Science & Technology</i> , 2014, 48, 1787-1794.	4.6	2
21	Combining Analytical Hierarchy Process and Agglomerative Hierarchical Clustering in Search of Expert Consensus in Green Corridors Development Management. <i>Environmental Management</i> , 2013, 52, 123-135.	1.2	17
22	Spatial-spectral processing strategies for detection of salinity effects in cauliflower, aubergine and kohlrabi. <i>Biosystems Engineering</i> , 2013, 114, 384-396.	1.9	11
23	Monitoring of agricultural soil degradation by remote-sensing methods: a review. <i>International Journal of Remote Sensing</i> , 2013, 34, 6152-6181.	1.3	50
24	Mean shift-based clustering of remotely sensed data with agricultural and land-cover applications. <i>International Journal of Remote Sensing</i> , 2013, 34, 6037-6053.	1.3	6
25	Remote Sensing for sustainable agriculture. <i>International Journal of Remote Sensing</i> , 2013, 34, 6021-6023.	1.3	1
26	Night-Time Ground Hyperspectral Imaging for Urban-Scale Remote Sensing of Ambient PM. I. Aerosol Optical Thickness Acquisition. <i>Aerosol Science and Technology</i> , 2012, 46, 1119-1128.	1.5	4
27	Generalising urban runoff and street network density relationship: A hydrological and remote-sensing case study in Israel. <i>Urban Water Journal</i> , 2012, 9, 189-197.	1.0	9
28	Two Phase Temporal-Spatial Autocorrelation of Urban Patterns: Revealing Focal Areas of Re-Urbanization in Tel Aviv-Yafo. <i>Applied Spatial Analysis and Policy</i> , 2012, 5, 137-155.	1.0	8
29	Post-fire analysis of pre-fire mapping of fire-risk: A recent case study from Mt. Carmel (Israel). <i>Forest Ecology and Management</i> , 2011, 262, 1184-1188.	1.4	43
30	An Iterative Search in End-Member Fraction Space for Spectral Unmixing. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 706-709.	1.4	14
31	Spectral indicators for salinity effects in crops: a comparison of a new green indigo ratio with existing indices. <i>Remote Sensing Letters</i> , 2011, 2, 289-298.	0.6	15
32	Mapping shrubland biomass along Mediterranean climatic gradients: The synergy of rainfall-based and NDVI-based models. <i>International Journal of Remote Sensing</i> , 2011, 32, 9497-9508.	1.3	24
33	Assessing fire risk using Monte Carlo simulations of fire spread. <i>Forest Ecology and Management</i> , 2009, 257, 370-377.	1.4	130
34	Wavelet Decomposition for Reducing Flux Density Effects on Hyperspectral Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 38-41.	1.4	3
35	Wavelet decomposition for reducing flux density effect on hyperspectral classification. , 2009, , .		0
36	An evolutionary patch pattern approach for texture discrimination. <i>Pattern Recognition</i> , 2008, 41, 2327-2336.	5.1	4

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37	Residential and Nonresidential Construction Initiations in Tel Aviv-Yafo: Autocorrelation Analysis of Urban Structure Evolution. <i>Environment and Planning B: Planning and Design</i> , 2008, 35, 535-551.	1.7	7
38	Improving hyperspectral classification based on wavelet decomposition IOphir Almog. , 2007, , .		0
39	Evolution of clusters in dynamic point patterns: with a case study of Ants' simulation. <i>International Journal of Geographical Information Science</i> , 2007, 21, 777-797.	2.2	4
40	Assessing mutuality of change in soil and vegetation patch pattern characteristics by means of Cellular Automata simulation. <i>Geomorphology</i> , 2006, 77, 35-46.	1.1	12
41	A step ahead of time: design, allocation and preservation of private open space in the 1920sâ€”the case of a garden suburb in Israel. <i>Geo Journal</i> , 2006, 67, 57-69.	1.7	1
42	Application of spectral featuresâ€™ ratios for improving classification in partially calibrated hyperspectral imagery: a case study of separating Mediterranean vegetation species. <i>Journal of Real-Time Image Processing</i> , 2006, 1, 143-152.	2.2	17
43	Man-Landscape Relationships in Mediterranean Areas: A Study of Landscape Changes in the Mount Carmel. , 2005, , 95-104.		1
44	Multi-scale analysis of intrinsic soil factors from SAR-based mapping of drying rates. <i>Remote Sensing of Environment</i> , 2004, 92, 233-246.	4.6	30
45	Invasion rate of the alien species <i>Acacia saligna</i> within coastal sand dune habitats in Israel. <i>Israel Journal of Plant Sciences</i> , 2004, 52, 115-124.	0.3	39
46	Vegetation establishment on the southern Israeli coastal sand dunes between the years 1965 and 1999. <i>Landscape and Urban Planning</i> , 2004, 67, 141-156.	3.4	89
47	Landscape fragmentation and soil cover changes on south- and north-facing slopes during ecosystems recovery: an analysis from multi-date air photographs. <i>Geomorphology</i> , 2002, 45, 3-20.	1.1	41
48	Land-use and population density changes in Israelâ€™ 1950 to 1990: analysis of regional and local trends. <i>Land Use Policy</i> , 2002, 19, 123-133.	2.5	87
49	A national knowledge-based crop recognition in Mediterranean environment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2002, 4, 75-87.	1.4	53
50	Multidate adaptive unmixing and its application to analysis of ecosystem transitions along a climatic gradient. <i>Remote Sensing of Environment</i> , 2002, 82, 5-20.	4.6	62
51	Influence of slope aspect on Mediterranean woody formations: Comparison of a semiarid and an arid site in Israel. <i>Ecological Research</i> , 2001, 16, 335-345.	0.7	183
52	Title is missing!. <i>Plant Ecology</i> , 2001, 157, 173-181.	0.7	49
53	Satellite remote sensing of natural Mediterranean vegetation: a review within an ecological context. <i>Progress in Physical Geography</i> , 2000, 24, 153-178.	1.4	85
54	Satellite remote sensing of natural Mediterranean vegetation: a review within an ecological context. <i>Progress in Physical Geography</i> , 2000, 24, 153-178.	1.4	21

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55	Roughnessâ€”Reflectance relationship of bare desert terrain: An empirical study. Remote Sensing of Environment, 1993, 45, 15-27.	4.6	33