

Yohay Carmel

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,506
citations

279701

23
h-index

223716

46
g-index

68
all docs

68
docs citations

68
times ranked

5140
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal fires shape the germinable soil seed bank community in eastern Mediterranean woodlands. <i>Journal of Plant Ecology</i> , 2022, 15, 13-25.	1.2	3
2	Economic and not ecological variables shape the sparingâ€“sharing tradeâ€“off in a mixed cropping landscape. <i>Journal of Applied Ecology</i> , 2022, 59, 779-790.	1.9	7
3	High resilience of the mycorrhizal community to prescribed seasonal burnings in eastern Mediterranean woodlands. <i>Mycorrhiza</i> , 2021, 31, 203-216.	1.3	8
4	Assessing climatic benefits from forestation potential in semi-arid lands. <i>Environmental Research Letters</i> , 2021, 16, 104039.	2.2	6
5	Can the intermediate disturbance hypothesis explain grazingâ€“diversity relations at a global scale?. <i>Oikos</i> , 2020, 129, 493-502.	1.2	50
6	Recognizing animal personhood in compassionate conservation. <i>Conservation Biology</i> , 2020, 34, 1097-1106.	2.4	58
7	Experimental evidence of multiple ecosystem services and disservices provided by ecological intensification in Mediterranean agroâ€“ecosystems. <i>Journal of Applied Ecology</i> , 2020, 57, 2041-2053.	1.9	12
8	A global meta-analysis of grazing effects on plant richness. <i>Agriculture, Ecosystems and Environment</i> , 2020, 302, 107072.	2.5	53
9	Operationalizing evolutionary transitions in individuality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192805.	1.2	12
10	Cost-effectiveness of uncultivated field-margins and semi-natural patches in Mediterranean areas: A multi-taxa, landscape scale approach. <i>Biological Conservation</i> , 2019, 240, 108262.	1.9	10
11	Fire season modifies the perennial plant community composition through a differential effect on obligate seeders in eastern Mediterranean woodlands. <i>Applied Vegetation Science</i> , 2019, 22, 115-126.	0.9	9
12	Incorporating principles of reconciliation ecology to achieve ecosystem-based marine spatial planning. <i>Ecological Engineering</i> , 2018, 120, 595-600.	1.6	7
13	Conservation planning under uncertainty in urban development and vegetation dynamics. <i>PLoS ONE</i> , 2018, 13, e0195429.	1.1	4
14	Using ecological modelling in marine spatial planning to enhance ecosystem-based management. <i>Marine Policy</i> , 2018, 95, 14-23.	1.5	14
15	Contributions of marine infrastructures to marine planning and protected area networking. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 830-839.	0.9	7
16	To mix or not to mix the sources of relocated plants? The case of the endangered <i>Iris lortetii</i> . <i>Journal for Nature Conservation</i> , 2018, 45, 41-47.	0.8	6
17	High-resolution species-distribution model based on systematic sampling and indirect observations. <i>Biodiversity and Conservation</i> , 2017, 26, 421-437.	1.2	25
18	Using exclusion rate to unify niche and neutral perspectives on coexistence. <i>Oikos</i> , 2017, 126, 1451-1458.	1.2	28

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19	Intraguild Predation Dynamics in a Lake Ecosystem Based on a Coupled Hydrodynamic-Ecological Model: The Example of Lake Kinneret (Israel). <i>Biology</i> , 2017, 6, 22.	1.3	11
20	Expanded view of ecosystem stability: A grazed grassland case study. <i>PLoS ONE</i> , 2017, 12, e0178235.	1.1	0
21	Quantifying the value of user-level data cleaning for big data: A case study using mammal distribution models. <i>Ecological Informatics</i> , 2016, 34, 139-145.	2.3	51
22	Landscape patterns of development under two alternative scenarios: Implications for conservation. <i>Land Use Policy</i> , 2016, 54, 221-234.	2.5	15
23	The elusive nature of fluorescent organic matter in Lake Kinneret, Israel. <i>Hydrobiologia</i> , 2016, 763, 53-68.	1.0	2
24	Bird and mammal species composition in distinct geographic regions and their relationships with environmental factors across multiple spatial scales. <i>Ecology and Evolution</i> , 2014, 4, 1963-1971.	0.8	12
25	Environmental heterogeneity affects the location of modelled communities along the niche“neutrality continuum. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133249.	1.2	23
26	Can agro-ecosystems efficiently complement protected area networks?. <i>Biological Conservation</i> , 2014, 169, 158-166.	1.9	21
27	Characterizing wild ass pathways using a non-invasive approach: applying least-cost path modelling to guide field surveys and a model selection analysis. <i>Landscape Ecology</i> , 2013, 28, 1465-1478.	1.9	12
28	Irrigation as an important factor in species distribution models. <i>Basic and Applied Ecology</i> , 2013, 14, 651-658.	1.2	5
29	Identification of 100 fundamental ecological questions. <i>Journal of Ecology</i> , 2013, 101, 58-67.	1.9	605
30	A multiscale analysis of herbaceous species richness in a Mediterranean ecosystem. <i>Journal of Plant Ecology</i> , 2013, 6, 113-121.	1.2	7
31	Trends in Ecological Research during the Last Three Decades “ A Systematic Review. <i>PLoS ONE</i> , 2013, 8, e59813.	1.1	62
32	Automated segmentation of vegetation structure units in a Mediterranean landscape. <i>International Journal of Remote Sensing</i> , 2012, 33, 346-364.	1.3	25
33	Woody vegetation patch types affect herbaceous species richness and composition in a Mediterranean ecosystem. <i>Community Ecology</i> , 2012, 13, 72-81.	0.5	26
34	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
35	Evaluation of five clustering algorithms for biodiversity surrogates. <i>Ecological Indicators</i> , 2011, 11, 896-901.	2.6	2
36	Presence“only versus presence“absence data in species composition determinant analyses. <i>Diversity and Distributions</i> , 2011, 17, 474-479.	1.9	19

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37	Differential effects of goat browsing on herbaceous plant community in a two-phase mosaic. <i>Plant Ecology</i> , 2011, 212, 1643-1653.	0.7	16
38	Sensitivity analysis for complex ecological models – A new approach. <i>Environmental Modelling and Software</i> , 2011, 26, 124-134.	1.9	109
39	Multiscale Analyses of Mammal Species Composition – Environment Relationship in the Contiguous USA. <i>PLoS ONE</i> , 2011, 6, e25440.	1.1	12
40	Spatial analysis of air pollution and cancer incidence rates in Haifa Bay, Israel. <i>Science of the Total Environment</i> , 2010, 408, 4429-4439.	3.9	50
41	Monitoring post-wildfire vegetation response with remotely sensed time-series data in Spain, USA and Israel. <i>International Journal of Wildland Fire</i> , 2010, 19, 75.	1.0	106
42	Distribution of threatened-unprotected vertebrates as a basis for conservation planning. <i>Israel Journal of Ecology and Evolution</i> , 2009, 55, 117-132.	0.2	7
43	The effects of disturbance based management on the dynamics of Mediterranean vegetation: A hierarchical and spatially explicit modeling approach. <i>Ecological Modelling</i> , 2009, 220, 2525-2535.	1.2	14
44	Uses and Misuses of Multicriteria Decision Analysis (MCDA) in Environmental Decision Making. <i>Risk Analysis</i> , 2009, 29, 26-33.	1.5	131
45	Assessing fire risk using Monte Carlo simulations of fire spread. <i>Forest Ecology and Management</i> , 2009, 257, 370-377.	1.4	130
46	Quantifying the effect of grazing and shrub-clearing on small scale spatial pattern of vegetation. <i>Landscape Ecology</i> , 2008, 23, 327-339.	1.9	27
47	Incorporating output variance in local sensitivity analysis for stochastic models. <i>Ecological Modelling</i> , 2008, 213, 463-467.	1.2	28
48	Growth, resource storage, and adaptation to drought in California and eastern Mediterranean oak seedlings. <i>Canadian Journal of Forest Research</i> , 2008, 38, 331-342.	0.8	14
49	Analyzing Spatially Distributed Binary Data Using Independent-Block Estimating Equations. <i>Biometrics</i> , 2007, 63, 892-900.	0.8	11
50	Assessment of temporal changes in aboveground forest tree biomass using aerial photographs and allometric equations. <i>Canadian Journal of Forest Research</i> , 2006, 36, 2585-2594.	0.8	27
51	Comparing Environmental and Biological Surrogates for Biodiversity at a Local Scale. <i>Israel Journal of Ecology and Evolution</i> , 2006, 52, 11-27.	0.2	24
52	Planning for robust reserve networks using uncertainty analysis. <i>Ecological Modelling</i> , 2006, 199, 115-124.	1.2	95
53	Assessment of an –Energy Tower–potential in Australia using a mathematical model and GIS. <i>Solar Energy</i> , 2005, 78, 799-808.	2.9	22
54	Mapping spatio-temporal variables: The impact of the time-averaging window width on the spatial accuracy. <i>Atmospheric Environment</i> , 2005, 39, 3611-3619.	1.9	14

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55	Infoâ€Cap Robustâ€Satisficing Model of Foraging Behavior: Do Foragers Optimize or Satisfice?. American Naturalist, 2005, 166, 633-641.	1.0	48
56	Empirical Method for Topographic Correction in Aerial Photographs. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 211-214.	1.4	13
57	Comparing landscape scale vegetation dynamics following recent disturbance in climatically similar sites in California and the Mediterranean basin. Landscape Ecology, 2004, 19, 573-590.	1.9	26
58	Characterizing Location and Classification Error Patterns in Time-Series Thematic Maps. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 11-14.	1.4	10
59	Performance of a spatio-temporal error model for raster datasets under complex error patterns. International Journal of Remote Sensing, 2004, 25, 5283-5296.	1.3	16
60	Controlling Data Uncertainty via Aggregation in Remotely Sensed Data. IEEE Geoscience and Remote Sensing Letters, 2004, 1, 39-41.	1.4	12
61	The Evolution of the Cultural Mediterranean Landscape in Israel as Affected by Fire, Grazing, and Human Activities. , 2004, , 337-409.		22
62	Aggregation as a Means of Increasing Thematic Map Accuracy. , 2004, , 29-38.		0
63	SPATIOTEMPORAL PREDICTIVE MODELS OF MEDITERRANEAN VEGETATION DYNAMICS. , 2001, 11, 268-280.		31
64	Title is missing!. , 1999, 145, 243-254.		137
65	Computerized classification of Mediterranean vegetation using panchromatic aerial photographs. Journal of Vegetation Science, 1998, 9, 445-454.	1.1	59
66	Habitat use by bats in a Mediterranean ecosystem in Israelâ€Conservation implications. Biological Conservation, 1998, 84, 245-250.	1.9	35