Avi Perevolotsky

List of Publications by Year in descending order

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Version: 2024-02-01

55 papers	2,345 citations	236833 25 h-index	214721 47 g-index
55 all docs	55 docs citations	55 times ranked	2573 citing authors

#	Article	IF	Citations
1	Role of Grazing in Mediterranean Rangeland Ecosystems. BioScience, 1998, 48, 1007-1017.	2.2	329
2	Vegetation response to grazing management in a Mediterranean herbaceous community: a functional group approach. Journal of Applied Ecology, 2000, 37, 224-237.	1.9	265
3	Grazing effect on diversity of annual plant communities in a semi-arid rangeland: interactions with small-scale spatial and temporal variation in primary productivity. Journal of Ecology, 2002, 90, 936-946.	1.9	203
4	The effect of shrub clearing and grazing on the composition of a Mediterranean plant community: functional groups versus species. Journal of Vegetation Science, 1999, 10, 673-682.	1.1	130
5	Effects of grazing on soil seed bank dynamics: An approach with functional groups. Journal of Vegetation Science, 2003, 14, 375-386.	1.1	123
6	Site productivity and plant size explain the response of annual species to grazing exclusion in a Mediterranean semi-arid rangeland. Journal of Ecology, 2004, 92, 297-309.	1.9	121
7	Woody Species as Landscape Modulators and Their Effect on Biodiversity Patterns. BioScience, 2008, 58, 209-221.	2.2	107
8	Forest performance during two consecutive drought periods: Diverging long-term trends and short-term responses along a climatic gradient. Forest Ecology and Management, 2013, 310, 1-9.	1.4	64
9	The effect of rainfall and competition intensity on forest response to drought: lessons learned from a dry extreme. Oecologia, 2015, 177, 1025-1038.	0.9	55
10	A framework for systematic conservation planning and management of Mediterranean landscapes. Biological Conservation, 2013, 158, 371-383.	1.9	53
11	Invasion of Pinus halepensis from plantations into adjacent natural habitats. Applied Vegetation Science, 2005, 8, 85-92.	0.9	49
12	What determines tree mortality in dry environments? a multi-perspective approach. , 2015, 25, 1054-1071.		43
13	Processes of Sedentarization and Nomadization in the History of Sinai and the Negev. Bulletin of the American Schools of Oriental Research, 1990, 279, 67-88.	0.2	42
14	Breed and maternal effects on the intake of tannin-rich browse by juvenile domestic goats (Capra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	42
15	Ecological sustainability in rangelands: the contribution of remote sensing. International Journal of Remote Sensing, 2013, 34, 6216-6242.	1.3	39
16	Integrating landscape ecology in the conservation of Mediterranean ecosystems: The Israeli experience. Israel Journal of Plant Sciences, 2005, 53, 203-213.	0.3	37
17	Similarity between seed bank and vegetation in a semiâ€arid annual plant community: The role of productivity and grazing. Journal of Vegetation Science, 2006, 17, 29-36.	1.1	36
18	Testing the limits of resistance: a 19â€year study of Mediterranean grassland response to grazing regimes. Global Change Biology, 2015, 21, 1939-1950.	4.2	36

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19	Size traits and site conditions determine changes in seed bank structure caused by grazing exclusion in semiarid annual plant communities. Ecography, 2006, 29, 11-20.	2.1	33
20	The effect of thinning and goat browsing on the structure and development of Mediterranean woodland in Israel. Forest Ecology and Management, 1992, 49, 61-74.	1.4	32
21	Spatially and temporally explicit modeling of conditions for primary production of annuals in dry environments. Ecological Modelling, 2008, 218, 339-353.	1.2	32
22	A problem of the rich: Prioritizing local plant genetic resources for ex situ conservation in Israel. Biological Conservation, 2008, 141, 596-600.	1.9	32
23	Landscapeâ€scale densityâ€dependent recruitment of oaks in planted forests: More is not always better. Ecology, 2013, 94, 1718-1728.	1.5	30
24	No Major Role for Binding by Salivary Proteins as a Defense Against Dietary Tannins in Mediterranean Goats. Journal of Chemical Ecology, 2010, 36, 736-743.	0.9	28
25	Quantifying the effect of grazing and shrub-clearing on small scale spatial pattern of vegetation. Landscape Ecology, 2008, 23, 327-339.	1.9	27
26	Modelling dynamics of ecosystem services basket in Mediterranean landscapes: a tool for rational management. Landscape Ecology, 2011, 26, 109-124.	1.9	26
27	Automated segmentation of vegetation structure units in a Mediterranean landscape. International Journal of Remote Sensing, 2012, 33, 346-364.	1.3	25
28	Has intensive grazing by domestic livestock degraded Mediterranean Basin rangelands?. Tasks for Vegetation Science, 1994, , 93-103.	0.6	25
29	The resilience of annual vegetation primary production subjected to different climate change scenarios. Climatic Change, 2013, 118, 227-243.	1.7	24
30	Polyethylene Glycol Affects Goats' Feeding Behavior in a Tannin-Rich Environment. Journal of Range Management, 2002, 55, 598.	0.3	23
31	Countervailing effects on pine and oak leaf litter decomposition in human-altered Mediterranean ecosystems. Oecologia, 2015, 177, 1039-1051.	0.9	20
32	Interactive effects of grazing and shrubs on the annual plant community in semiâ€arid Mediterranean shrublands. Journal of Vegetation Science, 2007, 18, 869-878.	1.1	19
33	Estimating multiple benefits from vegetation in mediterranean ecosystems. Biodiversity and Conservation, 2009, 18, 3483-3501.	1.2	17
34	Forest management in Israelâ€"The ecological alternative. Israel Journal of Plant Sciences, 2009, 57, 35-48.	0.3	16
35	Homogenization in forest performance across an environmental gradient â€“ The interplay between rainfall and topographic aspect. Forest Ecology and Management, 2013, 310, 256-266.	1.4	16
36	No precipitation legacy effects on aboveâ€ground net primary production and species diversity in grazed Mediterranean grassland: a 21â€year experiment. Journal of Vegetation Science, 2017, 28, 260-269.	1.1	14

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37	The application of remote sensing to study shrubâ€"herbaceous relations at a high spatial resolution. Israel Journal of Plant Sciences, 2007, 55, 73-82.	0.3	12
38	Continuous droughts' effect on herbaceous vegetation cover and productivity in rangelands: results from close-range photography and spatial analysis. International Journal of Remote Sensing, 2013, 34, 6263-6281.	1.3	12
39	Detecting biodiversity refugia using remotely sensed data. Landscape Ecology, 2018, 33, 1815-1830.	1.9	12
40	The response of Mediterranean herbaceous community to soil disturbance by native wild boars. Plant Ecology, 2014, 215, 531-541.	0.7	11
41	An Integrative Analysis of the Dynamics of Landscape- and Local-Scale Colonization of Mediterranean Woodlands by Pinus halepensis. PLoS ONE, 2014, 9, e90178.	1.1	10
42	Long-term Trade-Offs Among Herbage Growth, Animal Production, and Supplementary Feeding in Heavily Grazed Mediterranean Grassland. Rangeland Ecology and Management, 2015, 68, 332-340.	1.1	10
43	To sell or not to sell?A Pastoralist's Dilemma: A lesson from the slaughterhouse. Human Ecology, 1986, 14, 287-310.	0.7	8
44	Soil seed bank and seedling emergence of <i>Sarcopoterium spinosum</i> as affected by grazing in a patchy semiarid shrubland. Israel Journal of Plant Sciences, 2007, 55, 35-43.	0.3	8
45	Amount vs. temporal pattern: On the importance of intra-annual climatic conditions on tree growth in a dry environment. Journal of Arid Environments, 2015, 118, 65-68.	1.2	8
46	Consequences of pine colonization in dry oak woodlands: effects on water stress. European Journal of Forest Research, 2020, 139, 817-828.	1.1	7
47	17 Livestock and engineering network in the Israeli Negev: Implications for ecosystem management. Theoretical Ecology Series, 2007, , 323-X.	0.1	5
48	The effect of polyethylene glycol on browsing behaviour of beef cattle in a tanniferous shrubby Mediterranean range. Livestock Science, 2009, 126, 245-251.	0.6	5
49	Integrated management of heterogeneous landscapeâ€"Mediterranean Israel as a study case. Israel Journal of Ecology and Evolution, 2011, 57, 111-128.	0.2	5
50	Predicting the Formation of a New Upper Canopy Strata after Colonization of Native Shrublands by Pines. Forest Science, 2014, 60, 841-850.	0.5	5
51	Strategies and priorities in field collections for ex situ conservation: the case of the Israel Plant Gene Bank. Genetic Resources and Crop Evolution, 2017, 64, 1-5.	0.8	5
52	Goat production systems in Piura, Peru: A multidisciplinary analysis. Agricultural Systems, 1990, 32, 55-81.	3.2	4
53	From microsite selection to population spatial distribution: Pinus halepensis colonization in mediterranean-type ecosystems. Plant Ecology, 2015, 216, 1311-1324.	0.7	4
54	Ex-situ conservation strategies for endangered plants in the Israel Gene Bank. Israel Journal of Plant Sciences, 2018, 65, 121-128.	0.3	1

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55	Canopy structure of woody landscape modulators determines herbaceous species richness along a rainfall gradient. Plant Ecology, 2015, 216, 1511-1522.	0.7	0