

Marcelo Sternberg

List of Publications by Year in descending order

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84
papers

5,635
citations

109137

35
h-index

79541

73
g-index

85
all docs

85
docs citations

85
times ranked

8415
citing authors

#	ARTICLE	IF	CITATIONS
1	Divergent responses of plant biomass and its allocation to the altered precipitation regimes among different degraded grasslands in China. <i>Plant and Soil</i> , 2022, 473, 149-166.	1.8	11
2	Shrub facilitative effects on the plant litter arthropod community shifts with decreasing precipitation in desertified ecosystems in northwestern China. <i>Journal of Arid Environments</i> , 2022, 200, 104724.	1.2	1
3	Assessing the Dynamics of Plant Species Invasion in Eastern-Mediterranean Coastal Dunes Using Cellular Automata Modeling and Satellite Time-Series Analyses. <i>Remote Sensing</i> , 2022, 14, 1014.	1.8	6
4	Field experiments underestimate aboveground biomass response to drought. <i>Nature Ecology and Evolution</i> , 2022, 6, 540-545.	3.4	30
5	Estimation of aboveground biomass production using an unmanned aerial vehicle (UAV) and VENIS satellite imagery in Mediterranean and semiarid rangelands. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100753.	0.8	1
6	The soil seed bank can buffer long-term compositional changes in annual plant communities. <i>Journal of Ecology</i> , 2021, 109, 1275-1283.	1.9	18
7	Temporal stability of biomass in annual plant communities is driven by species diversity and asynchrony, but not dominance. <i>Journal of Vegetation Science</i> , 2021, 32, e13012.	1.1	11
8	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
9	Understanding ecosystems of the future will require more than realistic climate change experiments – A response to Korell et al. <i>Global Change Biology</i> , 2020, 26, e6-e7.	4.2	12
10	Not a melting pot: Plant species aggregate in their non-native range. <i>Global Ecology and Biogeography</i> , 2020, 29, 482-490.	2.7	16
11	Effects of rainfall manipulations versus a natural aridity gradient on plant litter arthropods in desert and Mediterranean ecosystems. <i>Applied Soil Ecology</i> , 2020, 156, 103716.	2.1	5
12	Evapotranspiration and Precipitation over Pasture and Soybean Areas in the Xingu River Basin, an Expanding Amazonian Agricultural Frontier. <i>Agronomy</i> , 2020, 10, 1112.	1.3	7
13	Extreme drought alters progeny dispersal unit properties of winter wild oat (<i>Avena sterilis</i> L.). <i>Planta</i> , 2020, 252, 77.	1.6	6
14	Germination strategies under climate change scenarios along an aridity gradient. <i>Journal of Plant Ecology</i> , 2020, 13, 470-477.	1.2	5
15	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	4.2	50
16	Effects of extreme drought on primary production, species composition and species diversity of a Mediterranean annual plant community. <i>Journal of Vegetation Science</i> , 2019, 30, 1045-1061.	1.1	17
17	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	3.9	177
18	Species richness effects on grassland recovery from drought depend on community productivity in a multisite experiment. <i>Ecology Letters</i> , 2017, 20, 1405-1413.	3.0	82

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19	No precipitation legacy effects on above-ground net primary production and species diversity in grazed Mediterranean grassland: a 21-year experiment. <i>Journal of Vegetation Science</i> , 2017, 28, 260-269.	1.1	14
20	Few multiyear precipitation-reduction experiments find a shift in the productivity-precipitation relationship. <i>Global Change Biology</i> , 2016, 22, 2570-2581.	4.2	105
21	Shifting Impacts of Climate Change. <i>Advances in Ecological Research</i> , 2016, 55, 437-473.	1.4	36
22	From America to the Holy Land: disentangling plant traits of the invasive <i>Heterotheca subaxillaris</i> (Lam.) Britton & Rusby. <i>Plant Ecology</i> , 2016, 217, 1307-1314.	0.7	7
23	Effectiveness of Granular Polyacrylamide to Reduce Soil Erosion During Consecutive Rainstorms in a Calcic Regosol Exposed to Different Fire Conditions. <i>Land Degradation and Development</i> , 2016, 27, 1453-1462.	1.8	12
24	Neighbour effects on shrub seedling establishment override climate change impacts in a Mediterranean community. <i>Journal of Vegetation Science</i> , 2016, 27, 227-237.	1.1	15
25	Response to Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". <i>Science</i> , 2016, 351, 457-457.	6.0	5
26	Impacts of climate change on biodiversity in Israel: an expert assessment approach. <i>Regional Environmental Change</i> , 2015, 15, 895-906.	1.4	24
27	Response to Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". <i>Science</i> , 2015, 350, 1177-1177.	6.0	9
28	Quantifying drylands' drought resistance and recovery: the importance of drought intensity, dominant life history and grazing regime. <i>Global Change Biology</i> , 2015, 21, 1258-1270.	4.2	145
29	Climate change scenarios of herbaceous production along an aridity gradient: vulnerability increases with aridity. <i>Oecologia</i> , 2015, 177, 971-979.	0.9	24
30	Coordinated approaches for studying long-term ecosystem responses to global change. <i>Oecologia</i> , 2015, 177, 921-924.	0.9	15
31	Long-term Trade-Offs Among Herbage Growth, Animal Production, and Supplementary Feeding in Heavily Grazed Mediterranean Grassland. <i>Rangeland Ecology and Management</i> , 2015, 68, 332-340.	1.1	10
32	Worldwide evidence of a unimodal relationship between productivity and plant species richness. <i>Science</i> , 2015, 349, 302-305.	6.0	315
33	Testing the limits of resistance: a 19-year study of Mediterranean grassland response to grazing regimes. <i>Global Change Biology</i> , 2015, 21, 1939-1950.	4.2	36
34	Using polyacrylamide to mitigate post-fire soil erosion. <i>Geoderma</i> , 2015, 239-240, 107-114.	2.3	46
35	First record of <i>Dichotomaria obtusata</i> (Ellis & Solander) Lamarck (Nemaliales, Rhodophyta) in the Mediterranean Sea. <i>Mediterranean Marine Science</i> , 2015, 16, 325.	0.6	2
36	The Origin of Cultivation and Proto-Weeds, Long Before Neolithic Farming. <i>PLoS ONE</i> , 2015, 10, e0131422.	1.1	197

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37	First report of <i>Laurencia chondrioides</i> (Ceramiales, Rhodophyta) and its potential to be an invasive in the eastern Mediterranean Sea. <i>Botanica Marina</i> , 2014, 57, 449-457.	0.6	10
38	Middle-Eastern plant communities tolerate 9 years of drought in a multi-site climate manipulation experiment. <i>Nature Communications</i> , 2014, 5, 5102.	5.8	117
39	Forest fire effects on soil chemical and physicochemical properties, infiltration, runoff, and erosion in a semiarid Mediterranean region. <i>Geoderma</i> , 2014, 221-222, 131-138.	2.3	81
40	Carbon exchange in rainfed wheat fields: Effects of long-term tillage and fertilization under arid conditions. <i>Agriculture, Ecosystems and Environment</i> , 2014, 195, 112-119.	2.5	13
41	Shrub seedling survival under climate change – Comparing natural and experimental rainfall gradients. <i>Journal of Arid Environments</i> , 2014, 111, 14-21.	1.2	14
42	What drives plant species diversity? A global distributed test of the unimodal relationship between herbaceous species richness and plant biomass. <i>Journal of Vegetation Science</i> , 2014, 25, 1160-1166.	1.1	23
43	From desert to Mediterranean rangelands: will increasing drought and inter-annual rainfall variability affect herbaceous annual primary productivity?. <i>Climatic Change</i> , 2013, 119, 785-798.	1.7	65
44	Quantitative vs qualitative vegetation sampling methods: a lesson from a grazing experiment in a Mediterranean grassland. <i>Applied Vegetation Science</i> , 2013, 16, 502-508.	0.9	5
45	Coordinated distributed experiments: an emerging tool for testing global hypotheses in ecology and environmental science. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 147-155.	1.9	237
46	Soil Phosphate Stable Oxygen Isotopes across Rainfall and Bedrock Gradients. <i>Environmental Science & Technology</i> , 2012, 46, 2156-2162.	4.6	60
47	Effects of climate change on soil respiration and carbon processing in Mediterranean and semi-arid regions: An experimental approach. <i>European Journal of Soil Biology</i> , 2012, 52, 48-58.	1.4	26
48	Reproductive traits and seed dynamics at two environmentally contrasting annual plant communities: From fieldwork to theoretical expectations. <i>Israel Journal of Ecology and Evolution</i> , 2011, 57, 73-90.	0.2	9
49	Editorial: From state-transition models to ecosystem services – A compendium in honor of Imanuel Noy-Meir's legacy. <i>Israel Journal of Ecology and Evolution</i> , 2011, 57, 1-4.	0.2	0
50	Seasonal variability of soil phosphate stable oxygen isotopes in rainfall manipulation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4216-4227.	1.6	42
51	Plant diversity partitioning in grazed Mediterranean grassland at multiple spatial and temporal scales. <i>Journal of Applied Ecology</i> , 2011, 48, 1260-1268.	1.9	40
52	Impact of rainfall manipulations and biotic controls on soil respiration in Mediterranean and desert ecosystems along an aridity gradient. <i>Global Change Biology</i> , 2011, 17, 1108-1118.	4.2	115
53	Effects of cattle grazing on herbage quality in a herbaceous Mediterranean rangeland. <i>Grass and Forage Science</i> , 2011, 66, 516-525.	1.2	44
54	Seed mass and dormancy of annual plant populations and communities decreases with aridity and rainfall predictability. <i>Basic and Applied Ecology</i> , 2011, 12, 674-684.	1.2	70

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55	The aesthetics of water and land: a promising concept for managing scarce water resources under climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5323-5337.	1.6	29
56	Herbivory by sucking mirid bugs can reduce nectar production in <i>Asphodelus aestivus</i> Brot.. <i>Arthropod-Plant Interactions</i> , 2010, 4, 153-158.	0.5	11
57	Invasive species and climate change: <i>Conyza canadensis</i> (L.) Cronquist as a tool for assessing the invasibility of natural plant communities along an aridity gradient. <i>Biological Invasions</i> , 2010, 12, 1953-1960.	1.2	10
58	Plant survival in relation to seed size along environmental gradients: a long-term study from semi-arid and Mediterranean annual plant communities. <i>Journal of Ecology</i> , 2010, 98, 697-704.	1.9	135
59	Recovery of plant species composition and ecosystem function after cessation of grazing in a Mediterranean grassland. <i>Plant and Soil</i> , 2010, 329, 365-378.	1.8	67
60	A community-level test of the leaf-height-seed ecology strategy scheme in relation to grazing conditions. <i>Journal of Vegetation Science</i> , 2009, 20, 392-402.	1.1	52
61	Leaf traits capture the effects of land use changes and climate on litter decomposability of grasslands across Europe. <i>Ecology</i> , 2009, 90, 598-611.	1.5	243
62	Impact of abundance weighting on the response of seed traits to climate and land use. <i>Journal of Ecology</i> , 2008, 96, 355-366.	1.9	92
63	The effect of microhabitats on vegetation and its relationships with seedlings and soil seed bank in a Mediterranean coastal sand dune community. <i>Journal of Arid Environments</i> , 2008, 72, 2040-2053.	1.2	28
64	Effects of cattle grazing timing and intensity on soil seed banks and regeneration strategies in a Mediterranean grassland. <i>Community Ecology</i> , 2008, 9, 97-106.	0.5	28
65	Assessing the Effects of Land-use Change on Plant Traits, Communities and Ecosystem Functioning in Grasslands: A Standardized Methodology and Lessons from an Application to 11 European Sites. <i>Annals of Botany</i> , 2007, 99, 967-985.	1.4	453
66	Plant trait responses to grazing ? a global synthesis. <i>Global Change Biology</i> , 2007, 13, 313-341.	4.2	815
67	Effect of timing and intensity of grazing on the herbage quality of a Mediterranean rangeland. <i>Journal of Animal and Feed Sciences</i> , 2007, 16, 318-322.	0.4	12
68	Life history variation in an annual plant under two opposing environmental constraints along an aridity gradient. <i>Ecography</i> , 2006, 29, 66-74.	2.1	104
69	Species richness in relation to phosphorus and competition in a Mediterranean dwarf-shrub community. <i>Agriculture, Ecosystems and Environment</i> , 2006, 113, 277-283.	2.5	17
70	The economic impact of global climate change on Mediterranean rangeland ecosystems: A Space-for-Time approach. <i>Ecological Economics</i> , 2006, 59, 287-295.	2.9	48
71	Annual plant-shrub interactions along an aridity gradient. <i>Basic and Applied Ecology</i> , 2006, 7, 268-279.	1.2	211
72	Germination and survival of endangered <i>Pulsatilla grandis</i> (ranunculaceae) after artificial seeding, as affected by various disturbances. <i>Israel Journal of Plant Sciences</i> , 2006, 54, 9-17.	0.3	6

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73	Kikuyu Grass: A Valuable Salt-Tolerant Fodder Grass. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 1269-1279.	0.6	12
74	The changing Mediterranean landscape: An editorial view. <i>Israel Journal of Plant Sciences</i> , 2005, 53, 149-150.	0.3	0
75	Soil seed banks, habitat heterogeneity, and regeneration strategies in a Mediterranean coastal sand dune. <i>Israel Journal of Plant Sciences</i> , 2004, 52, 213-221.	0.3	14
76	Effects of grazing on soil seed bank dynamics: An approach with functional groups. <i>Journal of Vegetation Science</i> , 2003, 14, 375-386.	1.1	123
77	Effects of grazing on soil seed bank dynamics: An approach with functional groups. , 2003, 14, 375.		11
78	Effects of clearing and herbicide treatments on coniferous seedling establishment and growth in newly planted Mediterranean forests. <i>Forest Ecology and Management</i> , 2001, 148, 179-184.	1.4	14
79	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
80	Title is missing!. <i>Plant Ecology</i> , 2001, 157, 173-181.	0.7	49
81	Vegetation response to grazing management in a Mediterranean herbaceous community: a functional group approach. <i>Journal of Applied Ecology</i> , 2000, 37, 224-237.	1.9	265
82	Terrestrial gastropods and experimental climate change: A field study in a calcareous grassland. <i>Ecological Research</i> , 2000, 15, 73-81.	0.7	36
83	Plant community dynamics in a calcareous grassland under climate change manipulations. <i>Plant Ecology</i> , 1999, 143, 29-37.	0.7	101
84	The Use and Misuse of Climatic Gradients for Evaluating Climate Impact on Dryland Ecosystems - an Example for the Solution of Conceptual Problems. , 0, , .		11