

Carla M D antonio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

10,234
citations

36
h-index

88
g-index

88
ext. papers

11,565
ext. citations

5.5
avg, IF

6.09
L-index

#	Paper	IF	Citations
81	Biological Invasions by Exotic Grasses, the Grass/Fire Cycle, and Global Change. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1992 , 23, 63-87		1955
80	Fire in the Earth system. <i>Science</i> , 2009 , 324, 481-4	33.3	1799
79	Effects of Invasive Alien Plants on Fire Regimes. <i>BioScience</i> , 2004 , 54, 677	5.7	958
78	The human dimension of fire regimes on Earth. <i>Journal of Biogeography</i> , 2011 , 38, 2223-2236	4.1	600
77	Exotic Plant Species as Problems and Solutions in Ecological Restoration: A Synthesis. <i>Restoration Ecology</i> , 2002 , 10, 703-713	3.1	544
76	Forecasting Biological Invasions with Increasing International Trade. <i>Conservation Biology</i> , 2003 , 17, 322-326	4.26	499
75	Introduced annual grass increases regional fire activity across the arid western USA (1980-2009). <i>Global Change Biology</i> , 2013 , 19, 173-83	11.4	389
74	Will extreme climatic events facilitate biological invasions?. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 249-257	5.5	286
73	COMPETITION BETWEEN NATIVE PERENNIAL AND EXOTIC ANNUAL GRASSES: IMPLICATIONS FOR AN HISTORICAL INVASION. <i>Ecology</i> , 2004 , 85, 1273-1283	4.6	279
72	Addition of multiple limiting resources reduces grassland diversity. <i>Nature</i> , 2016 , 537, 93-96	50.4	225
71	The response of native species to removal of invasive exotic grasses in a seasonally dry Hawaiian woodland. <i>Journal of Vegetation Science</i> , 1998 , 9, 699-712	3.1	151
70	Global change, global trade, and the next wave of plant invasions. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 20-28	5.5	145
69	Plant invasions [the role of mutualisms. <i>Biological Reviews</i> , 2007 , 75, 65-93	13.5	138
68	Can Carbon Addition Increase Competitiveness of Native Grasses? A Case Study from California. <i>Restoration Ecology</i> , 2004 , 12, 36-43	3.1	110
67	Summer water use by California coastal prairie grasses: fog, drought, and community composition. <i>Oecologia</i> , 2005 , 145, 511-21	2.9	108
66	Fire as a Restoration Tool: A Decision Framework for Predicting the Control or Enhancement of Plants Using Fire. <i>Restoration Ecology</i> , 2010 , 18, 274-284	3.1	102
65	2003 , 13, 154-166		100

64	Self-reinforcing impacts of plant invasions change over time. <i>Nature</i> , 2013 , 503, 517-20	50.4	89
63	FACTORS INFLUENCING DYNAMICS OF TWO INVASIVE C4 GRASSES IN SEASONALLY DRY HAWAIIAN WOODLANDS. <i>Ecology</i> , 2001 , 82, 89-104	4.6	84
62	SOIL HETEROGENEITY AND PLANT COMPETITION IN AN ANNUAL GRASSLAND. <i>Ecology</i> , 1997 , 78, 2076-2090	20.0	83
61	Boom-bust dynamics in biological invasions: towards an improved application of the concept. <i>Ecology Letters</i> , 2017 , 20, 1337-1350	10	81
60	Variation in the impact of exotic grasses on native plant composition in relation to fire across an elevation gradient in Hawaii. <i>Austral Ecology</i> , 2000 , 25, 507-522	1.5	79
59	Abundance of introduced species at home predicts abundance away in herbaceous communities. <i>Ecology Letters</i> , 2011 , 14, 274-81	10	78
58	California native and exotic perennial grasses differ in their response to soil nitrogen, exotic annual grass density, and order of emergence. <i>Plant Ecology</i> , 2009 , 201, 445-456	1.7	75
57	Long-term impacts of invasive grasses and subsequent fire in seasonally dry Hawaiian woodlands 2011 , 21, 1617-28		69
56	FRUIT CHOICE AND SEED DISPERSAL OF INVASIVE VS. NONINVASIVE CARPOBROTUS (AIZOACEAE) IN COASTAL CALIFORNIA. <i>Ecology</i> , 1998 , 79, 1053-1060	4.6	61
55	Exotic grass invasion alters potential rates of N fixation in Hawaiian woodlands. <i>Oecologia</i> , 1998 , 113, 179-187	2.9	57
54	The effect of soil nitrogen on competition between native and exotic perennial grasses from northern coastal California. <i>Plant Ecology</i> , 2006 , 186, 23-35	1.7	55
53	Germination and growth responses of hybridizing <i>Carpobrotus</i> species (Aizoaceae) from coastal California to soil salinity. <i>American Journal of Botany</i> , 1999 , 86, 1257-1263	2.7	54
52	Microclimate Change and Effect on Fire Following Forest-Grass Conversion in Seasonally Dry Tropical Woodland1. <i>Biotropica</i> , 1998 , 30, 286-297	2.3	46
51	Depth of water acquisition by invading shrubs and resident herbs in a Sierra Nevada meadow. <i>Plant and Soil</i> , 2006 , 285, 31-43	4.2	46
50	The Effects of Exotic Grasses on Litter Decomposition in a Hawaiian Woodland: The Importance of Indirect Effects. <i>Ecosystems</i> , 2003 , 6, 723-738	3.9	45
49	Native and exotic plant species respond differently to wildfire and prescribed fire as revealed by meta-analysis. <i>Journal of Vegetation Science</i> , 2015 , 26, 102-113	3.1	44
48	Hybridization and introgression in <i>Carpobrotus</i> spp. (Aizoaceae) in California. I. Morphological evidence. <i>American Journal of Botany</i> , 1997 , 84, 896-904	2.7	44
47	How much do phenotypic plasticity and local genetic variation contribute to phenotypic divergences along environmental gradients in widespread invasive plants? A meta-analysis. <i>Oikos</i> , 2016 , 125, 905-917	4	38

46	SHRUB EXPANSION IN MONTANE MEADOWS: THE INTERACTION OF LOCAL-SCALE DISTURBANCE AND SITE ARIDITY 2002 , 12, 1103-1118		38
45	Remote sensing analysis of vegetation recovery following short-interval fires in Southern California shrublands. <i>PLoS ONE</i> , 2014 , 9, e110637	3.7	36
44	Not novel, just better: competition between native and non-native plants in California grasslands that share species traits. <i>Plant Ecology</i> , 2010 , 209, 71-81	1.7	35
43	Hybridization and introgression in <i>Carpobrotus</i> spp. (Aizoaceae) in California II. Allozyme evidence. <i>American Journal of Botany</i> , 1997 , 84, 905-911	2.7	35
42	Fitness of invasive <i>Carpobrotus</i> (Aizoaceae) hybrids in coastal California. <i>Ecoscience</i> , 1998 , 5, 191-199	1.1	34
41	Pyrogeography, historical ecology, and the human dimensions of fire regimes. <i>Journal of Biogeography</i> , 2014 , 41, 833-836	4.1	33
40	Constraints to colonization and growth of the African grass, <i>Melinis minutiflora</i> , in a Venezuelan savanna. <i>Plant Ecology</i> , 2003 , 167, 31-43	1.7	32
39	Effects of fire and environmental variables on plant structure and composition in grazed salt desert shrublands of the Great Basin (USA). <i>Journal of Arid Environments</i> , 2009 , 73, 643-650	2.5	29
38	RESPONSE OF HERBS TO SHRUB REMOVAL ACROSS NATURAL AND EXPERIMENTAL VARIATION IN SOIL MOISTURE 2003 , 13, 1375-1387		25
37	Nutrient Limitation to Primary Productivity in a Secondary Savanna in Venezuela ¹ . <i>Biotropica</i> , 2002 , 34, 493-501	2.3	25
36	Long-term dynamics and impacts of plant invasions. <i>Journal of Ecology</i> , 2017 , 105, 1459-1461	6	24
35	Coastal fog during summer drought improves the water status of sapling trees more than adult trees in a California pine forest. <i>Oecologia</i> , 2016 , 181, 137-48	2.9	24
34	Factors Regulating Nitrogen Retention During the Early Stages of Recovery from Fire in Coastal Chaparral Ecosystems. <i>Ecosystems</i> , 2016 , 19, 910-926	3.9	23
33	Non-Additive effects on decomposition from mixing litter of the invasive <i>Mikania micrantha</i> H.B.K. with native plants. <i>PLoS ONE</i> , 2013 , 8, e66289	3.7	23
32	Nutrient Limitation in a Fire-derived, Nitrogen-rich Hawaiian Grassland ¹ . <i>Biotropica</i> , 2006 , 38, 458-467	2.3	23
31	Cellular and extracellular C contributions to respiration after wetting dry soil. <i>Biogeochemistry</i> , 2020 , 147, 307-324	3.8	21
30	Structural, compositional and trait differences between native- and non-native-dominated grassland patches. <i>Functional Ecology</i> , 2014 , 28, 745-754	5.6	20
29	ALTERATION OF ECOSYSTEM NITROGEN DYNAMICS BY EXOTIC PLANTS: A CASE STUDY OF C4 GRASSES IN HAWAII 2001 , 11, 1323-1335		19

28	Ecosystem vs. community recovery 25 years after grass invasions and fire in a subtropical woodland. <i>Journal of Ecology</i> , 2017 , 105, 1462-1474	6	18
27	Keys to enhancing the value of invasion ecology research for management. <i>Biological Invasions</i> , 2020 , 22, 2431-2445	2.7	14
26	Interactions Among Invasive Plants: Lessons from Hawaii. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017 , 48, 521-541	13.5	13
25	Exotic Grasses Potentially Slow Invasion of an N-fixing Tree into a Hawaiian Woodland. <i>Biological Invasions</i> , 2001 , 3, 69-73	2.7	12
24	Post-release monitoring in classical biological control of weeds: assessing impact and testing pre-release hypotheses. <i>Current Opinion in Insect Science</i> , 2020 , 38, 99-106	5.1	12
23	Mechanisms of influence of invasive grass litter on germination and growth of coexisting species in California. <i>Biological Invasions</i> , 2018 , 20, 1881-1897	2.7	12
22	Can local adaptation explain varying patterns of herbivory tolerance in a recently introduced woody plant in North America? 2017 , 5, cox016		11
21	The influence of soil resources and plant traits on invasion and restoration in a subtropical woodland. <i>Plant Ecology</i> , 2017 , 218, 1149-1161	1.7	10
20	Abundance and productivity mediate invader effects on nitrogen dynamics in a California grassland. <i>Ecosphere</i> , 2011 , 2, art32	3.1	10
19	HYBRID VIGOR FOR CLONAL GROWTH IN CARPOBROTUS(AIZOACEAE) IN COASTAL CALIFORNIA 1998 , 8, 1196-1205		10
18	Retention of Nitrogen Following Wildfire in a Chaparral Ecosystem. <i>Ecosystems</i> , 2018 , 21, 1608-1622	3.9	9
17	The importance of nitrogen-fixation for an invader of a coastal California grassland. <i>Biological Invasions</i> , 2011 , 13, 1275-1282	2.7	9
16	Where have all the wildflowers gone? The role of exotic grass thatch. <i>Biological Invasions</i> , 2020 , 22, 957-968	2.7	8
15	Do Tree Canopies Enhance Perennial Grass Restoration in California Oak Savannas?. <i>Restoration Ecology</i> , 2014 , 22, 574-581	3.1	7
14	Effects of young <i>Artemisia rothrockii</i> shrubs on soil moisture, soil nitrogen cycling, and resident herbs. <i>Journal of Vegetation Science</i> , 2008 , 19, 23-30	3.1	5
13	Monitoring Post-Fire Recovery of Chaparral and Conifer Species Using Field Surveys and Landsat Time Series. <i>Remote Sensing</i> , 2019 , 11, 2963	5	5
12	Preferential Associations of Invasive <i>Lantana camara</i> (Verbenaceae) in a Seasonally Dry Hawaiian Woodland. <i>Pacific Science</i> , 2015 , 69, 385-397	0.9	4
11	Long-term Nutrient Fertilization Increased Soil Carbon Storage in California Grasslands. <i>Ecosystems</i> , 2019 , 22, 754-766	3.9	4

10	Factors Influencing Dynamics of Two Invasive C 4 Grasses in Seasonally Dry Hawaiian Woodlands. <i>Ecology</i> , 2001 , 82, 89	4.6	3
9	Episodic defoliation rapidly reduces starch but not soluble sugars in an invasive shrub, <i>Tamarix</i> spp. <i>American Journal of Botany</i> , 2021 , 108, 1343-1353	2.7	3
8	Spenders versus savers: Climate-induced carbon allocation trade-offs in a recently introduced woody plant. <i>Functional Ecology</i> , 2021 , 35, 1640-1654	5.6	2
7	Mechanisms of severe dieback and mortality in a classically drought-tolerant shrubland species (<i>Arctostaphylos glauca</i>). <i>American Journal of Botany</i> , 2020 , 107, 1136-1147	2.7	1
6	Salinity driven interactions between plant growth and a biological control agent. <i>Biological Invasions</i> , 2021 , 23, 3161-3173	2.7	1
5	Architecture of remnant trees influences native woody plant recruitment in abandoned Hawaiian pastures. <i>Plant Ecology</i> , 2021 , 222, 659-667	1.7	1
4	Variation in salinity tolerance and water use strategies in an introduced woody halophyte (<i>Tamarix</i> spp.). <i>Journal of Ecology</i> ,	6	1
3	Can the impact of canopy trees on soil and understory be altered using litter additions?. <i>Ecological Applications</i> , 2021 , e02477	4.9	0
2	A Tribute to Don Canestro as Insightful Steward of Land and Sea and a Generous Contributor to the Social Good of Natural Reserves. <i>Bulletin of the Ecological Society of America</i> , 2019 , 100, e01533	0.7	
1	Invasions and ecosystems: vulnerabilities and the contribution of new technologies 2010 , 277-288		