Daniel S Gruner

List of Publications by Year
in descending order

70 papers	11,245 citations	109137 35 h-index	91712 69 g-index
73 all docs	73 docs citations	73 times ranked	13796 citing authors

#	Article	IF	Citations
1	Nitrogen increases earlyâ€stage and slows lateâ€stage decomposition across diverse grasslands. Journal of Ecology, 2022, 110, 1376-1389.	1.9	12
2	Rapid Spread of an Introduced Parasitoid for Biological Control of Emerald Ash Borer (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	7
3	Insectivorous birds reduce herbivory but do not increase mangrove growth across productivity zones. Ecology, 2022, 103, .	1.5	1
4	Protective neighboring effect from ash trees treated with systemic insecticide against emerald ash borer. Pest Management Science, 2021, 77, 474-481.	1.7	6
5	Identification of novel bacterial biomarkers to detect bird scavenging by invasive rats. Ecology and Evolution, 2021, 11, 1814-1828.	0.8	4
6	Successful management of invasive rats across a fragmented landscape. Environmental Conservation, 2021, 48, 200-207.	0.7	4
7	Spatial turnover of multiple ecosystem functions is more associated with plant than soil microbial Î²â€diversity. Ecosphere, 2021, 12, e03644.	1.0	12
8	Intraspecific variation in host plant traits mediates taxonomic and functional composition of local insect herbivore communities. Ecological Entomology, 2020, 45, 1382-1395.	1.1	5
9	Nutrients cause grassland biomass to outpace herbivory. Nature Communications, 2020, 11, 6036.	5.8	35
10	Multiscale analysis of canopy arthropod diversity in a volcanically fragmented landscape. Ecosphere, 2019, 10, e02653.	1.0	2
11	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. Ecosystems, 2019, 22, 1466-1477.	1.6	34
12	Community resistance to an invasive forest insectâ€“fungus mutualism. Ecosphere, 2019, 10, e02609.	1.0	4
13	Local extinction of the Asian tiger mosquito (Aedes albopictus) following rat eradication on Palmyra Atoll. Biology Letters, 2018, 14, .	1.0	30
14	Vertical foraging shifts in Hawaiian forest birds in response to invasive rat removal. PLoS ONE, 2018, 13, e0202869.	1.1	7
15	Foraging connections: Patterns of prey use linked to invasive predator diel movement. PLoS ONE, 2018, 13, e0201883.	1.1	4
16	Marine fauna sort at fine resolution in an ecotone of shifting wetland foundation species. Ecology, 2018, 99, 2546-2557.	1.5	8
17	Movements of four native Hawaiian birds across a naturally fragmented landscape. Journal of Avian Biology, 2017, 48, 921-931.	0.6	7
18	A roadmap for island biology: 50 fundamental questions after 50Âyears of The Theory of Island Biogeography. Journal of Biogeography, 2017, 44, 963-983.	1.4	167

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19	Increased grassland arthropod production with mammalian herbivory and eutrophication: a test of mediation pathways. Ecology, 2017, 98, 3022-3033.	1.5	40
20	Island ecology and evolution: challenges in the Anthropocene. Environmental Conservation, 2017, 44, 323-335.	0.7	47
21	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. Oikos, 2017, 126, 8-17.	1.2	87
22	Community assembly on isolated islands: macroecology meets evolution. Global Ecology and Biogeography, 2016, 25, 769-780.	2.7	62
23	The influence of balanced and imbalanced resource supply on biodiversityâ€“functioning relationship across ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150283.	1.8	43
24	Addition of multiple limiting resources reduces grassland diversity. Nature, 2016, 537, 93-96.	13.7	355
25	Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€. Science, 2016, 351, 457-457.	6.0	16
26	Integrative modelling reveals mechanisms linking productivity and plant species richness. Nature, 2016, 529, 390-393.	13.7	564
27	Grassland productivity limited by multiple nutrients. Nature Plants, 2015, 1, 15080.	4.7	403
28	Signatures of nutrient limitation and coâ€limitation: responses of autotroph internal nutrient concentrations to nitrogen and phosphorus additions. Oikos, 2015, 124, 113-121.	1.2	109
29	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	5.8	143
30	A continentâ€wide study reveals clear relationships between regional abiotic conditions and postâ€dispersal seed predation. Journal of Biogeography, 2015, 42, 662-670.	1.4	23
31	Reply to Giri and Long: Freeze-mediated expansion of mangroves does not depend on whether expansion is emergence or reemergence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1449-E1449.	3.3	4
32	Poleward expansion of mangroves is a threshold response to decreased frequency of extreme cold events. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 723-727.	3.3	431
33	Eutrophication weakens stabilizing effects of diversity in natural grasslands. Nature, 2014, 508, 521-525.	13.7	409
34	Herbivores and nutrients control grassland plant diversity via light limitation. Nature, 2014, 508, 517-520.	13.7	669
35	Adaptations for Symbiont-Mediated External Digestion in Sirex noctilio (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	58
36	Macrosystems ecology: understanding ecological patterns and processes at continental scales. Frontiers in Ecology and the Environment, 2014, 12, 5-14.	1.9	285

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37	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	4.2	70
38	Green grass and high tides: grazing lawns in terrestrial and aquatic ecosystems (commentary on) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.2	3
39	Microbial Symbionts Shape the Sterol Profile of the Xylem-Feeding Woodwasp, Sirex noctilio. Journal of Chemical Ecology, 2013, 39, 129-139.	0.9	47
40	Lifeâ€history constraints in grassland plant species: a growthâ€defence tradeâ€off is the norm. Ecology Letters, 2013, 16, 513-521.	3.0	165
41	Global biogeography of autotroph chemistry: is insolation a driving force?. Oikos, 2013, 122, 1121-1130.	1.2	50
42	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. Science, 2012, 335, 1441-1441.	6.0	30
43	Distribution ofCotesia rubecula(Hymenoptera: Braconidae) and Its Displacement ofCotesia glomeratain Eastern North America. Florida Entomologist, 2012, 95, 461-467.	0.2	21
44	Effects of diet quality on performance and nutrient regulation in an omnivorous katydid. Ecological Entomology, 2011, 36, 471-479.	1.1	17
45	Nutrient coâ€limitation of primary producer communities. Ecology Letters, 2011, 14, 852-862.	3.0	747
46	Lack of susceptibility of soil-inhabiting Platyprepia virginalis caterpillars, a native arctiid, to entomopathogenic nematodes in nature. Entomologia Experimentalis Et Applicata, 2011, 140, 28-34.	0.7	2
47	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	6.0	463
48	Interactions among predators and the cascading effects of vertebrate insectivores on arthropod communities and plants. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7335-7340.	3.3	175
49	III.6 Top-Down and Bottom-Up Regulation of Communities. , 2009, , 296-304.		2
50	Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. Ecology Letters, 2009, 12, 516-527.	3.0	144
51	Host resistance reverses the outcome of competition between microparasites. Ecology, 2009, 90, 1721-1728.	1.5	11
52	Does species richness drive speciation? A reassessment with the Hawaiian biota. Ecography, 2008, 31, 279-285.	2.1	19
53	A crossâ€system synthesis of consumer and nutrient resource control on producer biomass. Ecology Letters, 2008, 11, 740-755.	3.0	334
54	BIRDS AS PREDATORS IN TROPICAL AGROFORESTRY SYSTEMS. Ecology, 2008, 89, 928-934.	1.5	200

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55	METAPOPULATION DYNAMICS OVERRIDE LOCAL LIMITS ON LONG-TERM PARASITE PERSISTENCE. Ecology, 2008, 89, 3290-3297.	1.5	19
56	Does species richness drive speciation? A reassessment with the Hawaiian biota. Ecography, 2008, .	2.1	0
57	Dynamics of a subterranean trophic cascade in space and time. Journal of Nematology, 2008, 40, 85-92.	0.4	17
58	Potential for entomopathogenic nematodes in biological control: a meta-analytical synthesis and insights from trophic cascade theory. Journal of Nematology, 2008, 40, 61-72.	0.4	42
59	Arthropod Surveys on Palmyra Atoll, Line Islands, and Insights into the Decline of the Native Tree Pisonia grandis (Nyctaginaceae)1. Pacific Science, 2007, 61, 485-502.	0.2	38
60	Soil mediates the interaction of coexisting entomopathogenic nematodes with an insect host. Journal of Invertebrate Pathology, 2007, 94, 12-19.	1.5	14
61	Consumer versus resource control of producer diversity depends on ecosystem type and producer community structure. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10904-10909.	3.3	302
62	Geological age, ecosystem development, and local resource constraints on arthropod community structure in the Hawaiian Islands. Biological Journal of the Linnean Society, 2007, 90, 551-570.	0.7	41
63	Global analysis of nitrogen and phosphorus limitation of primary producers in freshwater, marine and terrestrial ecosystems. Ecology Letters, 2007, 10, 1135-1142.	3.0	3,460
64	All wet or dried up? Real differences between aquatic and terrestrial food webs. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1-9.	1.2	412
65	Richness and species composition of arboreal arthropods affected by nutrients and predators: a press experiment. Oecologia, 2006, 147, 714-724.	0.9	31
66	Biotic resistance to an invasive spider conferred by generalist insectivorous birds on Hawaiâ€™i Island. Biological Invasions, 2005, 7, 541-546.	1.2	44
67	The effects of foliar pubescence and nutrient enrichment on arthropod communities of Metrosideros polymorpha (Myrtaceae). Ecological Entomology, 2005, 30, 428-443.	1.1	25
68	ATTENUATION OF TOP-DOWN AND BOTTOM-UP FORCES IN A COMPLEX TERRESTRIAL COMMUNITY. Ecology, 2004, 85, 3010-3022.	1.5	125
69	Regressions of Length and Width to Predict Arthropod Biomass in the Hawaiian Islands. Pacific Science, 2003, 57, 325-336.	0.2	60
70	Foraging and Nesting Ecology of Acromyrmex octospinosus (Hymenoptera: Formicidae) in a Costa Rican Tropical Dry Forest. Florida Entomologist, 1998, 81, 61.	0.2	16