

David J Gibson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2542311/publications.pdf>

Version: 2024-02-01

105
papers

4,031
citations

185998

28
h-index

128067

60
g-index

112
all docs

112
docs citations

112
times ranked

6299
citing authors

#	ARTICLE	IF	CITATIONS
1	Reciprocal transplant gardens as gold standard to detect local adaptation in grassland species: New opportunities moving into the 21st century. <i>Journal of Ecology</i> , 2022, 110, 1054-1071.	1.9	25
2	The Relationship between Urban Green Space and Urban Expansion Based on Gravity Methods. <i>Sustainability</i> , 2022, 14, 5396.	1.6	4
3	Disturbance effects on productivity–plant diversity relationships from a 22-year-old successional field. <i>Journal of Vegetation Science</i> , 2021, 32, .	1.1	3
4	Taxonomic and phylogenetic composition show biotic resistance to exotic invasion in acid seep springs. <i>Ecological Processes</i> , 2021, 10, .	1.6	2
5	The Hierarchy-of-Hypotheses Approach: A Synthesis Method for Enhancing Theory Development in Ecology and Evolution. <i>BioScience</i> , 2021, 71, 337-349.	2.2	16
6	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
7	Mass ratio effects underlie ecosystem responses to environmental change. <i>Journal of Ecology</i> , 2020, 108, 855-864.	1.9	31
8	Identifying Sustainable Grassland Management Approaches in Response to the Invasive Legume <i>Lespedeza cuneata</i> : A Functional Group Approach. <i>Sustainability</i> , 2020, 12, 5951.	1.6	2
9	Adaptive genetic potential and plasticity of trait variation in the foundation prairie grass <i>Andropogon gerardii</i> across the US Great Plains™ climate gradient: Implications for climate change and restoration. <i>Evolutionary Applications</i> , 2020, 13, 2333-2356.	1.5	12
10	Plant community and phylogenetic shifts in acid seep springs over 49 years following <i>Microstegium vimineum</i> invasion. <i>Plant Ecology</i> , 2020, 221, 167-175.	0.7	7
11	Interactive disturbances drive community composition, heterogeneity, and the niches of invasive exotic plant species during secondary succession. <i>Plant Ecology and Diversity</i> , 2020, 13, 363-375.	1.0	3
12	Functional response of subordinate species to intraspecific trait variability within dominant species. <i>Journal of Ecology</i> , 2019, 107, 2040-2053.	1.9	14
13	Is phylogenetic and functional trait diversity a driver or a consequence of grassland community assembly?. <i>Journal of Ecology</i> , 2019, 107, 2027-2032.	1.9	21
14	Nitrogen alters effects of disturbance on annual grassland community diversity: Implications for restoration. <i>Journal of Ecology</i> , 2019, 107, 2054-2064.	1.9	10
15	Grasslands and climate change: an overview. , 2019, , 3-18.		6
16	Effect of PPO-Inhibiting Herbicides on the Growth and Sex Ratio of a Dioecious Weed Species <i>Amaranthus palmeri</i> (Palmer Amaranth). <i>Agronomy</i> , 2019, 9, 275.	1.3	4
17	Do No Harm: Efficacy of a Single Herbicide Application to Control an Invasive Shrub While Minimizing Collateral Damage to Native Species. <i>Plants</i> , 2019, 8, 426.	1.6	11
18	Restoring grassland in the context of climate change. , 2019, , 310-322.		5

#	ARTICLE	IF	CITATIONS
19	Keeping up: climate-driven evolutionary change, dispersal, and migration. , 2019, , 218-233.		2
20	Functional diversity is more sensitive to biotic filters than phylogenetic diversity during community assembly. <i>Ecosphere</i> , 2018, 9, e02164.	1.0	15
21	Succession in Ecological Education. , 2018, , 47-53.		0
22	Phylogenetic diversity is maintained despite richness losses over time in restored tallgrass prairie plant communities. <i>Journal of Applied Ecology</i> , 2017, 54, 137-144.	1.9	45
23	Spatial heterogeneity of plant-soil feedbacks increases per capita reproductive biomass of species at an establishment disadvantage. <i>Oecologia</i> , 2017, 183, 1077-1086.	0.9	29
24	Plant ecological solutions to global food security. <i>Journal of Ecology</i> , 2017, 105, 859-864.	1.9	22
25	Can weeds enhance profitability? Integrating ecological concepts to address crop-weed competition and yield quality. <i>Journal of Ecology</i> , 2017, 105, 900-904.	1.9	25
26	Unraveling Microbial and Edaphic Factors Affecting the Development of Sudden Death Syndrome in Soybean. <i>Phytobiomes Journal</i> , 2017, 1, 91-101.	1.4	24
27	Phylogenetic diversity reveals hidden patterns related to population source and species pools during restoration. <i>Journal of Applied Ecology</i> , 2017, 54, 91-101.	1.9	14
28	Glufosinate Absorption, Translocation, and Metabolic Fingerprint Effects in <i>gdhA</i> -transformed Tobacco. <i>Crop Science</i> , 2017, 57, 350-364.	0.8	4
29	Image-Based Analysis to Dissect Vertical Distribution and Horizontal Asymmetry of Conspecific Root System Interactions in Response to Planting Densities, Nutrients and Root Exudates in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2017, 6, 46.	1.6	3
30	Plant community response to regional sources of dominant grasses in grasslands restored across a longitudinal gradient. <i>Ecosphere</i> , 2016, 7, e01329.	1.0	11
31	Do plant traits predict the competitive abilities of closely related species?. <i>AoB PLANTS</i> , 2016, 8, .	1.2	11
32	<i>Journal of Ecology</i> News: Data Archiving Compliance. <i>Journal of Ecology</i> , 2016, 104, 1-3.	1.9	4
33	Life history of <i>Achyranthes japonica</i> (Amaranthaceae): an invasive species in southern Illinois ¹ . <i>Journal of the Torrey Botanical Society</i> , 2016, 143, 93-102.	0.1	6
34	Ecotypic variation in forage nutrient value of a dominant prairie grass across a precipitation gradient. <i>Grassland Science</i> , 2016, 62, 233-242.	0.6	6
35	Benchmark study on glyphosate-resistant cropping systems in the United States. Part 7: Effects of weed management strategy (grower practices versus academic recommendations) on the weed soil seedbank over 6 years. <i>Pest Management Science</i> , 2016, 72, 692-700.	1.7	8
36	Using integral projection models to compare population dynamics of four closely related species. <i>Population Ecology</i> , 2016, 58, 285-292.	0.7	6

#	ARTICLE	IF	CITATIONS
37	Succession in Ecological Education. , 2016, , 1-7.		0
38	Occurrence of an herbicide-resistant plant trait in agricultural field margins. Ecology and Evolution, 2015, 5, 4161-4173.	0.8	9
39	<i>Journal of Ecology</i> News. Journal of Ecology, 2015, 103, 90-92.	1.9	1
40	Core-satellite species hypothesis and native versus exotic species in secondary succession. Plant Ecology, 2015, 216, 419-427.	0.7	9
41	Light heterogeneity interacts with plant-induced soil heterogeneity to affect plant trait expression. Plant Ecology, 2015, 216, 439-450.	0.7	10
42	Plant trait expression responds to establishment timing. Oecologia, 2015, 178, 525-536.	0.9	5
43	Seedbank and Field Emergence of Weeds in Glyphosate-Resistant Cropping Systems in the United States. Weed Science, 2015, 63, 425-439.	0.8	21
44	Propagule abundance and richness are equivalent or higher in communities restored with local ecotypes relative to cultivars of dominant species. Journal of Vegetation Science, 2015, 26, 421-430.	1.1	7
45	Trigonelline Accumulation in Leaves of Panicum virgatum Seedlings. Natural Product Communications, 2014, 9, 1934578X1400900.	0.2	2
46	Intraspecific variation among clones of a native rare grass affects competition with a nonnative, invasive forb. Ecology and Evolution, 2014, 4, 186-199.	0.8	7
47	No effect of seed source on multiple aspects of ecosystem functioning during ecological restoration: cultivars compared to local ecotypes of dominant grasses. Evolutionary Applications, 2014, 7, 323-335.	1.5	33
48	Use of multiple criteria in an ecological assessment of a prairie restoration chronosequence. Applied Vegetation Science, 2014, 17, 63-73.	0.9	59
49	<i>Journal of Ecology</i> News. Journal of Ecology, 2014, 102, 1-3.	1.9	1
50	Heterogeneity in plant-soil feedbacks and resident population dynamics affect mutual invasibility. Journal of Ecology, 2014, 102, 1048-1057.	1.9	21
51	Convergent and Contingent Community Responses to Grass Source and Dominance During Prairie Restoration Across a Longitudinal Gradient. Environmental Management, 2014, 53, 252-265.	1.2	11
52	Genetic Sorting of Subordinate Species in Grassland Modulated by Intraspecific Variation in Dominant Species. PLoS ONE, 2014, 9, e91511.	1.1	14
53	Temporal dynamics of plant community regeneration sources during tallgrass prairie restoration. Plant Ecology, 2013, 214, 1169-1180.	0.7	38
54	Soil heterogeneity generated by plant-soil feedbacks has implications for species recruitment and coexistence. Journal of Ecology, 2013, 101, 277-286.	1.9	56

#	ARTICLE	IF	CITATIONS
55	Agricultural Weeds in Glyphosate-Resistant Cropping Systems in the United States. <i>Weed Science</i> , 2013, 61, 85-97.	0.8	15
56	Fitness among population sources of a dominant species (<i>Andropogon gerardii</i> Vitman) used in prairie restoration. <i>Journal of the Torrey Botanical Society</i> , 2013, 140, 269-279.	0.1	11
57	Limited effects of dominant species population source on community composition during community assembly. <i>Journal of Vegetation Science</i> , 2013, 24, 429-440.	1.1	41
58	<i>Journal of Ecology</i> News. <i>Journal of Ecology</i> , 2013, 101, 1-3.	1.9	3
59	The effect of weed management systems and location on arable weed species communities in glyphosate-resistant cropping systems. <i>Applied Vegetation Science</i> , 2013, 16, 676-687.	0.9	11
60	Succession of Exotic and Native Species Assemblages within Restored Floodplain Forests: A Test of the Parallel Dynamics Hypothesis. <i>Restoration Ecology</i> , 2012, 20, 202-210.	1.4	30
61	<i>Journal of Ecology</i> News. <i>Journal of Ecology</i> , 2012, 100, 141-143.	1.9	0
62	Tansley's vision for <i>Journal of Ecology</i> , and a Centenary Celebration. <i>Journal of Ecology</i> , 2012, 100, 1-5.	1.9	8
63	Effects of foundation species genotypic diversity on subordinate species richness in an assembling community. <i>Oikos</i> , 2012, 121, 496-507.	1.2	34
64	Intraspecific Variation in Ecophysiology of Three Dominant Prairie Grasses Used in Restoration: Cultivar Versus Non-Cultivar Population Sources. <i>Restoration Ecology</i> , 2011, 19, 43-52.	1.4	34
65	Mowing and fertilizer effects on seedling establishment in a successional old field. <i>Journal of Plant Ecology</i> , 2011, 4, 157-168.	1.2	10
66	Grasslands in Europe of High Nature Value EDITED BY PETER VEEN, RICHARD JEFFERSON, JACQUES DE SMIDT AND JAN VAN DER STRAATEN 319 pp., 28 Å– 21 Å– 2 cm, ISBN 9789050113168 hardback, GB£ 93.00, <i>c</i>. â,¬ 108.00/US\$ 151.00, Zeist, the Netherlands: KNNV Publishing, 2009. <i>Environmental Conservation</i> , 2010, 37, 223-224.	0.7	0
67	Characterizing the microhabitats of exotic species in Illinois shale barrens. <i>Plant Ecology</i> , 2009, 200, 255-265.	0.7	7
68	<i>Journal of Ecology</i> News. <i>Journal of Ecology</i> , 2009, 97, 1-3.	1.9	1
69	Reproductive challenges of a rare grass, <i>Calamagrostis porteri</i> subsp. <i>insperata</i> (Swallen) C. Greene: implications for habitat restoration. <i>Applied Vegetation Science</i> , 2009, 12, 316-327.	0.9	2
70	The weed community affects yield and quality of soybean (<i>Glycine max</i> (L.) Merr.). <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 371-381.	1.7	15
71	How reproductive allocation and flowering probability of individuals in plant populations are affected by position in stand size hierarchy, plant size and CO2 regime. <i>Journal of Plant Ecology</i> , 2008, 1, 207-215.	1.2	6
72	Impact of interspecific competition on seed development and quality of five soybean cultivars. <i>Australian Journal of Experimental Agriculture</i> , 2007, 47, 1455.	1.0	12

#	ARTICLE	IF	CITATIONS
73	Journal of Ecology news. Journal of Ecology, 2007, 95, 1-7.	1.9	4
74	Journal of Ecology News. Journal of Ecology, 2007, 96, 071119203335010-???.	1.9	0
75	Using map algebra to determine the mesoscale distribution of invasive plants: the case of <i>Celastrus orbiculatus</i> in Southern Illinois, USA. <i>Biological Invasions</i> , 2007, 9, 419-431.	1.2	15
76	Journal of Ecology News. Journal of Ecology, 2007, .	1.9	0
77	The Tallgrass Restoration Handbook for Prairies, Savannas, and Woodlands, second edition. <i>Restoration Ecology</i> , 2006, 14, 167-167.	1.4	0
78	Additive partitioning of diversity across hierarchical spatial scales in a forested landscape. <i>Journal of Applied Ecology</i> , 2006, 43, 792-801.	1.9	55
79	Journal of Ecology news. Journal of Ecology, 2006, 94, 1-6.	1.9	3
80	A Landscape Perspective of the Stream Corridor Invasion and Habitat Characteristics of an Exotic (<i>Dioscorea oppositifolia</i>) in a Pristine Watershed in Illinois. <i>Biological Invasions</i> , 2006, 8, 1103-1113.	1.2	23
81	Breeding system, branching processes, hybrid swarm theory, and the humped-back diversity relationship as additional explanations for apparent monophyly in the Macaronesian island flora. <i>Journal of Ecology</i> , 2005, 93, 649-652.	1.9	22
82	Species frequency dynamics in an old-field succession: Effects of disturbance, fertilization and scale. <i>Journal of Vegetation Science</i> , 2005, 16, 415-422.	1.1	46
83	Journal of Ecology news. Journal of Ecology, 2005, 93, 1-4.	1.9	3
84	Species frequency dynamics in an old-field succession: Effects of disturbance, fertilization and scale. <i>Journal of Vegetation Science</i> , 2005, 16, 415.	1.1	5
85	Using Local Seeds in Prairie Restoration Data Support the Paradigm. <i>Native Plants Journal</i> , 2005, 6, 25-28.	0.0	35
86	Mechanisms for Dominance in An Early Successional Old Field by the Invasive Non-Native <i>Lespedeza Cuneata</i> (Dum. Cours.) G. Don. <i>Biological Invasions</i> , 2004, 6, 483-493.	1.2	66
87	Life History of <i>Microstegium vimineum</i> (Poaceae), an Invasive Grass in Southern Illinois. <i>Journal of the Torrey Botanical Society</i> , 2002, 129, 207.	0.1	107
88	<i>Festuca arundinacea</i> Schreber (<i>F. elatior</i> L. ssp. <i>arundinacea</i> (Schreber) Hackel). <i>Journal of Ecology</i> , 2001, 89, 304-324.	1.9	60
89	The effect of seeds of exotic species transported via horse dung on vegetation along trail corridors. <i>Plant Ecology</i> , 2001, 157, 23-35.	0.7	77
90	The Regeneration Potential of a Threatened Southern Illinois Shale Barren. <i>Journal of the Torrey Botanical Society</i> , 1999, 126, 226.	0.1	5

#	ARTICLE	IF	CITATIONS
91	Designs for greenhouse studies of interactions between plants. <i>Journal of Ecology</i> , 1999, 87, 1-16.	1.9	289
92	forumThe core-satellite species hypothesis provides a theoretical basis for Grime's classification of dominant, subordinate, and transient species. <i>Journal of Ecology</i> , 1999, 87, 1064-1067.	1.9	47
93	Permutation of Two-Term Local Quadrat Variance Analysis: General concepts for interpretation of peaks. <i>Journal of Vegetation Science</i> , 1998, 9, 41-44.	1.1	20
94	Physiological Performance of <i>Andropogon gerardii</i> , <i>Panicum virgatum</i> , and <i>Sorghastrum nutans</i> on Reclaimed Mine Spoil. <i>Restoration Ecology</i> , 1996, 4, 355-367.	1.4	27
95	The relationship between the soil seed bank and above-ground vegetation of a coastal barrier island. <i>Journal of Vegetation Science</i> , 1995, 6, 825-836.	1.1	75
96	Parallel Analysis: a method for determining significant principal components. <i>Journal of Vegetation Science</i> , 1995, 6, 99-106.	1.1	289
97	Experimental Analysis of Intermediate Disturbance and Initial Floristic Composition: Decoupling Cause and Effect. <i>Ecology</i> , 1995, 76, 486-492.	1.5	302
98	Population structure and spatial pattern in the dioecious shrub <i>Ceratiola ericoides</i> . <i>Journal of Vegetation Science</i> , 1994, 5, 337-346.	1.1	60
99	Management Practices in Tallgrass Prairie: Large- and Small-Scale Experimental Effects on Species Composition. <i>Journal of Applied Ecology</i> , 1993, 30, 247.	1.9	71
100	Flora of the Gulf Islands National Seashore, Perdido Key, Florida. <i>Bulletin of the Torrey Botanical Club</i> , 1993, 120, 327.	0.6	10
101	Effects of small mammal and invertebrate herbivory on plant species richness and abundance in tallgrass prairie. <i>Oecologia</i> , 1990, 84, 169-175.	0.9	50
102	Fire Temperature Heterogeneity in Contrasting Fire Prone Habitats: Kansas Tallgrass Prairie and Florida Sandhill. <i>Bulletin of the Torrey Botanical Club</i> , 1990, 117, 349.	0.6	89
103	Effects of Animal Disturbance on Tallgrass Prairie Vegetation. <i>American Midland Naturalist</i> , 1989, 121, 144.	0.2	78
104	The Maintenance of Plant and Soil Heterogeneity in Dune Grassland. <i>Journal of Ecology</i> , 1988, 76, 497.	1.9	59
105	The Natural Revegetation of Lead/Zinc Mine Spoil in Northeastern Oklahoma. <i>Southwestern Naturalist</i> , 1982, 27, 425.	0.1	9