Douglas A Frank

List of Publications by Year
in descending order

47 papers	4,001 citations	196777 29 h-index	274796 44 g-index
70 all docs	70 docs citations	70 times ranked	4614 citing authors

#	Article	IF	Citations
1	Fast but steady: An integrated leafâ€stemâ€root trait syndrome for woody forest invaders. Ecology Letters, 2022, 25, 900-912.	3.0	12
2	Friend or foe? The role of biotic agents in drought-induced plant mortality. Plant Ecology, 2021, 222, 537-548.	0.7	7
3	Density-dependent plant growth drives grazer stimulation of aboveground net primary production in Yellowstone grasslands. Oecologia, 2021, 196, 851-861.	0.9	3
4	Rapid leaf litter decomposition of deciduous understory shrubs and lianas mediated by mesofauna. Plant Ecology, 2020, 221, 63-68.	0.7	11
5	Woody invaders do not alter rhizosphere microbial activity in a temperate deciduous forest. Biological Invasions, 2020, 22, 2599-2608.	1.2	1
6	Herbivores stimulate respiration from labile and recalcitrant soil carbon pools in grasslands of Yellowstone National Park. Land Degradation and Development, 2020, 31, 2620-2634.	1.8	11
7	Grazing Effects on Plant Nitrogen use in a Temperate Grassland. Rangeland Ecology and Management, 2020, 73, 482-490.	1.1	3
8	Does Grazing Matter for Soil Organic Carbon Sequestration in the Western North American Great Plains?. Ecosystems, 2019, 22, 1088-1094.	1.6	28
9	Effects of livestock grazing on grassland carbon storage and release override impacts associated with global climate change. Global Change Biology, 2019, 25, 1119-1132.	4.2	65
10	Litter Decomposition in Yellowstone Grasslands: The Roles of Large Herbivores, Litter Quality, and Climate. Ecosystems, 2019, 22, 929-937.	1.6	27
11	Towards a mechanistic understanding of the effect that different species of large grazers have on grassland soil N availability. Journal of Ecology, 2018, 106, 357-366.	1.9	43
12	Manipulating the system: How large herbivores control bottomâ€up regulation of grasslands. Journal of Ecology, 2018, 106, 434-443.	1.9	30
13	Invasive plants accelerate nitrogen cycling: evidence from experimental woody monocultures. Journal of Ecology, 2017, 105, 1105-1110.	1.9	59
14	Ungulate control of grassland production: grazing intensity and ungulate species composition in Yellowstone Park. Ecosphere, 2016, 7, e01603.	1.0	27
15	More of the same? In situ leaf and root decomposition rates do not vary between 80 native and nonnative deciduous forest species. New Phytologist, 2016, 209, 115-122.	3.5	74
16	Fineâ€scale belowground species associations in temperate grassland. Molecular Ecology, 2015, 24, 3206-3216.	2.0	29
17	Linking above- and belowground resource use strategies for native and invasive species of temperate deciduous forests. Biological Invasions, 2015, 17, 1545-1554.	1.2	74
18	Controls on Soil Organic Carbon Stocks and Turnover Among North American Ecosystems. Ecosystems, 2012, 15, 604-615.	1.6	46

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19	Topographic and ungulate regulation of soil C turnover in a temperate grassland ecosystem. Global Change Biology, 2011, 17, 495-504.	4.2	26
20	Ungulate and topographic control of arbuscular mycorrhizal fungal spore community composition in a temperate grassland. Ecology, 2010, 91, 815-827.	1.5	53
21	Grazers and soil moisture determine the fate of added 15NH4 + in Yellowstone grasslands. Plant and Soil, 2010, 328, 337-351.	1.8	2
22	Grassland root communities: species distributions and how they are linked to aboveground abundance. Ecology, 2010, 91, 3201-3209.	1.5	65
23	The effects of clipping and soil moisture on leaf and root morphology and root respiration in two temperate and two tropical grasses. Plant Ecology, 2009, 200, 205-215.	0.7	55
24	Plant rhizospheric N processes: what we don't know and why we should care. Ecology, 2009, 90, 1512-1519.	1.5	117
25	Short sampling intervals reveal very rapid root turnover in a temperate grassland. Oecologia, 2008, 157, 453-458.	0.9	49
26	Evidence for top predator control of a grazing ecosystem. Oikos, 2008, 117, 1718-1724.	1.2	58
27	Ungulate and topographic control of nitrogen: phosphorus stoichiometry in a temperate grassland; soils, plants and mineralization rates. Oikos, 2008, 117, 591-601.	1.2	56
28	Defoliation induces root exudation and triggers positive rhizospheric feedbacks in a temperate grassland. Soil Biology and Biochemistry, 2008, 40, 2865-2873.	4.2	190
29	Evidence for top predator control of a grazing ecosystem. Oikos, 2008, , .	1.2	0
30	Effects of grazing and soil micro-climate on decomposition rates in a spatio-temporally heterogeneous grassland. Plant and Soil, 2007, 298, 191-201.	1.8	52
31	Effects of increased soil water availability on grassland ecosystem carbon dioxide fluxes. Biogeochemistry, 2007, 86, 91-103.	1.7	46
32	Drought effects on above- and belowground production of a grazed temperate grassland ecosystem. Oecologia, 2007, 152, 131-139.	0.9	92
33	The interactive effects of grazing ungulates and aboveground production on grassland diversity. Oecologia, 2005, 143, 629-634.	0.9	73
34	The role of ammonia volatilization in controlling the natural15N abundance of a grazed grassland. Biogeochemistry, 2004, 68, 169-178.	1.7	94
35	Soil community composition and the regulation of grazed temperate grassland. Oecologia, 2003, 137, 603-609.	0.9	63
36	Defoliation Effects on Reproductive Biomass: Importance of Scale and Timing. Journal of Range Management, 2003, 56, 501.	0.3	28

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37	FEEDBACKS BETWEEN SOIL NUTRIENTS AND LARGE HERBIVORES IN A MANAGED SAVANNA ECOSYSTEM. , 2003, 13, 1325-1337.		204
38	CONSUMER CONTROL OF GRASSLAND PLANT PRODUCTION. Ecology, 2002, 83, 602-606.	1.5	173
39	EFFECTS OF MIGRATORY GRAZERS ON SPATIAL HETEROGENEITY OF SOIL NITROGEN PROPERTIES IN A GRASSLAND ECOSYSTEM. Ecology, 2001, 82, 3149-3162.	1.5	197
40	CAN PLANTS STIMULATE SOIL MICROBES AND THEIR OWN NUTRIENT SUPPLY? EVIDENCE FROM A GRAZING TOLERANT GRASS. Ecology, 2001, 82, 2397-2402.	1.5	529
41	EFFECTS OF MIGRATORY GRAZERS ON SPATIAL HETEROGENEITY OF SOIL NITROGEN PROPERTIES IN A GRASSLAND ECOSYSTEM. , 2001, 82, 3149.		32
42	The Ecology of the Earth's Grazing Ecosystems. BioScience, 1998, 48, 513-521.	2.2	294
43	UNGULATE VS. LANDSCAPE CONTROL OF SOIL C AND N PROCESSES IN GRASSLANDS OF YELLOWSTONE NATIONAL PARK. Ecology, 1998, 79, 2229-2241.	1.5	281
44	Temporal Variation in Actual Evapotranspiration of Terrestrial Ecosystems: Patterns and Ecological Implications. Journal of Biogeography, 1994, 21, 401.	1.4	87
45	Evidence for the promotion of aboveground grassland production by native large herbivores in Yellowstone National Park. Oecologia, 1993, 96, 157-161.	0.9	208
46	The Ecology of Plants, Large Mammalian Herbivores, and Drought in Yellowstone National Park. Ecology, 1992, 73, 2043-2058.	1.5	192
47	Aboveground Biomass Estimation with the Canopy Intercept Method: A Plant Growth Form Caveat. Oikos, 1990, 57, 57.	1.2	134