Eric G Lamb

List of Publications by Year
in descending order

79 papers	3,936 citations	218677 26 h-index	133252 59 g-index
81 all docs	81 docs citations	81 times ranked	6969 citing authors

#	Article	IF	Citations
1	Vegetative growth and belowground expansion from transplanted lowâ€arctic tundra turfs. Restoration Ecology, 2023, 31, .	2.9	2
2	Global pattern and associated drivers of grassland productivity sensitivity to precipitation change. Science of the Total Environment, 2022, 806, 151224.	8.0	13
3	Phenology-dependent root bacteria enhance yield of Brassica napus. Soil Biology and Biochemistry, 2022, 166, 108468.	8.8	10
4	The silent carbon pool: Cryoturbic enriched organic matter in Canadian High Arctic semi-deserts. Geoderma, 2022, 415, 115781.	5.1	1
5	Plant responses to soil biota depend on precipitation history, plant diversity, and productivity. Ecology, 2022, 103, .	3.2	5
6	Global root traits (GRooT) database. Global Ecology and Biogeography, 2021, 30, 25-37.	5.8	90
7	Modification of plant communities by bison in Riding Mountain National Park. Ecoscience, 2021, 28, 67-80.	1.4	2
8	Nitrogen addition impacts on soil microbial stoichiometry are driven by changes in plant resource stoichiometry not by the composition of main microbial groups in an alpine meadow. Biology and Fertility of Soils, 2020, 56, 261-271.	4.3	24
9	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
10	Extent of Dakota skipper, Hesperia dacotae, distribution in Southeastern Saskatchewan, Canada. Journal of Insect Conservation, 2020, 24, 1073-1081.	1.4	5
11	An intensive multilocation temporal dataset of fungal and bacterial communities in the root and rhizosphere of Brassica napus. Data in Brief, 2020, 31, 106143.	1.0	5
12	Impact of Diverse Annual Forage Mixtures on Weed Control in a Semiarid Environment. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	0
13	Relationships and influence of yield components on spacedâ€plant and sward seed yield in perennial ryegrass. Grass and Forage Science, 2020, 75, 424-437.	2.9	5
14	An intensive multilocation temporal dataset of fungal communities in the root and rhizosphere of Brassica napus. Data in Brief, 2020, 30, 105467.	1.0	3
15	A survey of invasive plants on grassland soil microbial communities and ecosystem services. Scientific Data, 2020, 7, 86.	5.3	14
16	Could Cryoturbic Diapirs Be Key for Understanding Ecological Feedbacks to Climate Change in High Arctic Polar Deserts?. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005263.	3.0	5
17	Yak Dung Deposition Affects Litter Mixing Effects on Mass Loss in Tibetan Alpine Grassland. Rangeland Ecology and Management, 2019, 72, 405-410.	2.3	4
18	Comparison of Grassland Phenology Derived from MODIS Satellite and PhenoCam Near-Surface Remote Sensing in North America. Canadian Journal of Remote Sensing, 2019, 45, 707-722.	2.4	14

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19	Structural equation modeling of a winnowed soil microbiome identifies how invasive plants re-structure microbial networks. ISME Journal, 2019, 13, 1988-1996.	9.8	57
20	Longâ€term sand dune spatioâ€temporal dynamics and endemic plant habitat extent in the Athabasca sand dunes of northern Saskatchewan. Remote Sensing in Ecology and Conservation, 2019, 5, 70-86.	4.3	6
21	Core and Differentially Abundant Bacterial Taxa in the Rhizosphere of Field Grown Brassica napus Genotypes: Implications for Canola Breeding. Frontiers in Microbiology, 2019, 10, 3007.	3.5	39
22	Increased Soil Frost Versus Summer Drought as Drivers of Plant Biomass Responses to Reduced Precipitation: Results from a Globally Coordinated Field Experiment. Ecosystems, 2018, 21, 1432-1444.	3.4	18
23	Checkerboard scoreâ€“area relationships reveal spatial scales of plant community structure. Oikos, 2018, 127, 415-426.	2.7	21
24	Mixtures of native perennial forage species produce higher yields than monocultures in a long-term study. Canadian Journal of Plant Science, 2018, 98, 633-647.	0.9	10
25	Plant belowground diversity and species segregation by depth in a semi-arid grassland. Ecoscience, 2018, 25, 1-7.	1.4	15
26	Linking Herbicide Dissipation to Soil Ecological Risk along Transmission Rightsâ€ofâ€Way in the Yukon Territory, Canada. Journal of Environmental Quality, 2018, 47, 1356-1364.	2.0	5
27	Environmental associations ofHesperia dacotae(Lepidoptera: Hesperiidae) in southeastern Saskatchewan, Canada. Canadian Entomologist, 2018, 150, 652-662.	0.8	5
28	Archaea and bacteria mediate the effects of native species root loss on fungi during plant invasion. ISME Journal, 2017, 11, 1261-1275.	9.8	50
29	Ex-post assessment of genetically modified, low level presence in Canadian flax. Transgenic Research, 2017, 26, 399-409.	2.4	4
30	Herbicide Toxicity Testing with Non-Target Boreal Plants: The Sensitivity of Achillea millefolium L. and Chamerion angustifolium L. to Triclopyr and Imazapyr. Environmental Management, 2017, 60, 136-156.	2.7	8
31	Salix arctica changes root distribution and nutrient uptake in response to subsurface nutrients in High Arctic deserts. Ecology, 2017, 98, 2158-2169.	3.2	6
32	Quantifying Optimal Rates of Litter Retention to Maximize Annual Net Primary Productivity on Mixed-Grass Prairie. Rangeland Ecology and Management, 2017, 70, 219-224.	2.3	9
33	Long-Term Efficacy of Glyphosate for Smooth Brome Control in Native Prairie. Invasive Plant Science and Management, 2017, 10, 350-355.	1.1	14
34	Plant communities and soil properties mediate agricultural land use impacts on arbuscular mycorrhizal fungi in the Mixed Prairie ecoregion of the North American Great Plains. Agriculture, Ecosystems and Environment, 2017, 249, 187-195.	5.3	23
35	Relative influence of climate, soils, and disturbance on plant species richness in northern temperate and boreal forests. Forest Ecology and Management, 2016, 381, 93-105.	3.2	18
36	Assembling productive communities of native grass and legume species: finding the right mix. Applied Vegetation Science, 2016, 19, 111-121.	1.9	9

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37	A high-throughput belowground plant diversity assay using next-generation sequencing of the trnL intron. Plant and Soil, 2016, 404, 361-372.	3.7	22
38	Predicting Polycyclic Aromatic Hydrocarbon Bioavailability to Mammals from Incidentally Ingested Soils Using Partitioning and Fugacity. Environmental Science & Technology, 2016, 50, 1338-1346.	10.0	12
39	The Influence of Matrix Size on Statistical Properties of Co-Occurrence and Limiting Similarity Null Models. PLoS ONE, 2016, 11, e0151146.	2.5	10
40	Spiking regional vis-NIR calibration models with local samples to predict soil organic carbon in two High Arctic polar deserts using a vis-NIR probe. Canadian Journal of Soil Science, 2015, 95, 237-249.	1.2	20
41	Smooth brome invasion increases rare soil bacterial species prevalence, bacterial species richness and evenness. Journal of Ecology, 2015, 103, 386-396.	4.0	59
42	Smooth brome changes gross soil nitrogen cycling processes during invasion of a rough fescue grassland. Plant Ecology, 2015, 216, 235-246.	1.6	38
43	Litter accumulation drives grassland plant community composition and functional diversity via leaf traits. Plant Ecology, 2015, 216, 357-370.	1.6	35
44	Spatially explicit structural equation modeling. Ecology, 2014, 95, 2434-2442.	3.2	37
45	Structural equation modeling of the Canadian flax (Linum usitatissimum L.) core collection for multiple phenotypic traits. Canadian Journal of Plant Science, 2014, 94, 1325-1332.	0.9	13
46	Soil fertility is associated with fungal and bacterial richness, whereas pH is associated with community composition in polar soil microbial communities. Soil Biology and Biochemistry, 2014, 78, 10-20.	8.8	243
47	Irrigation but not <scp>N</scp> fertilization enhances seedhead density in plains rough fescue (<scp>F</scp>estuca hallii). Grass and Forage Science, 2013, 68, 120-124.	2.9	2
48	Increased competition does not lead to increased phylogenetic overdispersion in a native grassland. Ecology Letters, 2013, 16, 1168-1176.	6.4	89
49	Limited effects of simulated acidic deposition on seedling survivorship and root morphology of endemic plant taxa of the Athabasca Sand Dunes in well-watered greenhouse trials. Botany, 2013, 91, 176-181.	1.0	13
50	Temporal changes in abundanceâ€“occupancy relationships within and between communities after disturbance. Journal of Vegetation Science, 2013, 24, 607-615.	2.2	36
51	Early productivity and crude protein content of establishing forage swards composed of combinations of native grass and legume species in mixed-grassland ecoregions. Canadian Journal of Plant Science, 2013, 93, 445-454.	0.9	16
52	Patterns of Cross-Continental Variation in Tree Seed Mass in the Canadian Boreal Forest. PLoS ONE, 2013, 8, e61060.	2.5	23
53	Prescribed Burning Has Limited Long-Term Effectiveness in Controlling Trembling Aspen (Populus) Tj ETQq1 1 0.784314 rgBT /Ov Field-Naturalist, 2013, 127, 50.	0.1	5
54	Root system size determines plant performance following short-term soil nutrient pulses. Plant Ecology, 2012, 213, 1803-1812.	1.6	15

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55	The distribution, abundance, and environmental affinities of the endemic vascular plant taxa of the Athabasca Sand Dunes of northern Saskatchewan. Ecoscience, 2012, 19, 161-169.	1.4	6
56	Plant competitive ability and the transitivity of competitive hierarchies change with plant age. Plant Ecology, 2012, 213, 15-23.	1.6	40
57	A High Arctic soil ecosystem resists longâ€term environmental manipulations. Global Change Biology, 2011, 17, 3187-3194.	9.5	140
58	Effects of plant species richness and evenness on soil microbial community diversity and function. Plant and Soil, 2011, 338, 483-495.	3.7	162
59	Bryophyte-cyanobacterial associations as a key factor in N2-fixation across the Canadian Arctic. Plant and Soil, 2011, 344, 335-346.	3.7	58
60	Structural equation modeling in the plant sciences: An example using yield components in oat. Canadian Journal of Plant Science, 2011, 91, 603-619.	0.9	79
61	Cotyledon damage affects seed number through final plant size in the annual grassland species Medicago lupulina. Annals of Botany, 2011, 107, 437-442.	2.9	16
62	Quantification of low-level genetically modified (GM) seed presence in large seed lots: a case study of GM seed in Canadian flax breeder seed lots. Seed Science Research, 2011, 21, 315-321.	1.7	9
63	Plants Integrate Information About Nutrients and Neighbors. Science, 2010, 328, 1657-1657.	12.6	266
64	Shoot, but not root, competition reduces community diversity in experimental mesocosms. Journal of Ecology, 2009, 97, 155-163.	4.0	104
65	Indices for monitoring biodiversity change: Are some more effective than others?. Ecological Indicators, 2009, 9, 432-444.	6.3	97
66	Does phylogenetic relatedness influence the strength of competition among vascular plants?. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 10, 41-50.	2.7	278
67	DIRECT AND INDIRECT CONTROL OF GRASSLAND COMMUNITY STRUCTURE BY LITTER, RESOURCES, AND BIOMASS. Ecology, 2008, 89, 216-225.	3.2	113
68	When Competition Does Not Matter: Grassland Diversity and Community Composition. American Naturalist, 2008, 171, 777-787.	2.1	91
69	Water and nitrogen addition differentially impact plant competition in a native rough fescue grassland. Plant Ecology, 2007, 192, 21-33.	1.6	59
70	Interactions Between Root and Shoot Competition and Plant Traits. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1110-1112.	1.0	13
71	Consequences of differing competitive abilities between juvenile and adult plants. Oikos, 2006, 112, 502-512.	2.7	31
72	A NONLINEAR REGRESSION APPROACH TO TEST FOR SIZE-DEPENDENCE OF COMPETITIVE ABILITY. Ecology, 2006, 87, 1452-1457.	3.2	11

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73	Patch-background contrast and patch density have limited effects on root proliferation and plant performance in Abutilon theophrasti. Functional Ecology, 2004, 18, 836-843.	3.6	37
74	Plant species traits across a riparianâ€zone/forest ecotone. Journal of Vegetation Science, 2003, 14, 853-858.	2.2	31
75	The early impact of adjacent clearcutting and forest fire on riparian zone vegetation in northwestern Ontario. Forest Ecology and Management, 2003, 177, 529-538.	3.2	22
76	The Shoreline Fringe Forest and Adjacent Peatlands of the Southern Central British Columbia Coast. Canadian Field-Naturalist, 2003, 117, 209.	0.1	2
77	Plant species traits across a riparian-zone/forest ecotone. Journal of Vegetation Science, 2003, 14, 853.	2.2	4
78	Vegetation zonation among the microhabitats in a lacustrine environment: analysis and application of belowground species trait patterns. Ecological Engineering, 2001, 18, 135-146.	3.6	17
79	Seasonal patterns of forage quality in six native forb species. Canadian Journal of Plant Science, 0, , .	0.9	1