

Ingrid Burke

List of Publications by Year in descending order

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58
papers

9,398
citations

47006

47
h-index

138484

58
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58
all docs

58
docs citations

58
times ranked

10179
citing authors

#	ARTICLE	IF	CITATIONS
1	Global-Scale Similarities in Nitrogen Release Patterns During Long-Term Decomposition. <i>Science</i> , 2007, 315, 361-364.	12.6	1,027
2	The Importance of Land-Use Legacies to Ecology and Conservation. <i>BioScience</i> , 2003, 53, 77.	4.9	916
3	Texture, Climate, and Cultivation Effects on Soil Organic Matter Content in U.S. Grassland Soils. <i>Soil Science Society of America Journal</i> , 1989, 53, 800-805.	2.2	724
4	ANPP ESTIMATES FROM NDVI FOR THE CENTRAL GRASSLAND REGION OF THE UNITED STATES. <i>Ecology</i> , 1997, 78, 953-958.	3.2	419
5	Simple three-pool model accurately describes patterns of long-term litter decomposition in diverse climates. <i>Global Change Biology</i> , 2008, 14, 2636-2660.	9.5	401
6	Carbon fluxes, nitrogen cycling, and soil microbial communities in adjacent urban, native and agricultural ecosystems. <i>Global Change Biology</i> , 2005, 11, 575-587.	9.5	321
7	Ecosystem Consequences of Changing Biodiversity. <i>BioScience</i> , 1998, 48, 45-52.	4.9	319
8	Interactions Between Individual Plant Species and Soil Nutrient Status in Shortgrass Steppe. <i>Ecology</i> , 1995, 76, 1116-1133.	3.2	275
9	Grassland Precipitation-Use Efficiency Varies Across a Resource Gradient. <i>Ecosystems</i> , 1999, 2, 64-68.	3.4	264
10	Heterogeneity of soil and plant N and C associated with individual plants and openings in North American shortgrass steppe. <i>Plant and Soil</i> , 1991, 138, 247-256.	3.7	252
11	Long-term patterns of mass loss during the decomposition of leaf and fine root litter: an intersite comparison. <i>Global Change Biology</i> , 2009, 15, 1320-1338.	9.5	252
12	BIOGEOCHEMISTRY IN A SHORTGRASS LANDSCAPE: CONTROL BY TOPOGRAPHY, SOIL TEXTURE, AND MICROCLIMATE. <i>Ecology</i> , 2000, 81, 2686-2703.	3.2	223
13	Regional Analysis of the Central Great Plains. <i>BioScience</i> , 1991, 41, 685-692.	4.9	218
14	Estimating stand structure using discrete-return lidar: an example from low density, fire prone ponderosa pine forests. <i>Forest Ecology and Management</i> , 2005, 208, 189-209.	3.2	211
15	Spatial Variability of Soil Properties in the Shortgrass Steppe: The Relative Importance of Topography, Grazing, Microsite, and Plant Species in Controlling Spatial Patterns. <i>Ecosystems</i> , 1999, 2, 422-438.	3.4	192
16	Potential nitrogen immobilization in grassland soils across a soil organic matter gradient. <i>Soil Biology and Biochemistry</i> , 2000, 32, 1707-1716.	8.8	176
17	Relationships between microbial community structure and soil environmental conditions in a recently burned system. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1703-1711.	8.8	169
18	Control of Nitrogen Mineralization a Sagebrush Steppe Landscape. <i>Ecology</i> , 1989, 70, 1115-1126.	3.2	153

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19	Biotic and Abiotic Nitrogen Retention in a Variety of Forest Soils. Soil Science Society of America Journal, 2000, 64, 1503-1514.	2.2	152
20	Functional traits of graminoids in semi-arid steppes: a test of grazing histories. Journal of Applied Ecology, 2004, 41, 653-663.	4.0	145
21	Regional modeling of grassland biogeochemistry using GIS. Landscape Ecology, 1990, 4, 45-54.	4.2	129
22	Ecological responses of dominant grasses along two climatic gradients in the Great Plains of the United States. Journal of Vegetation Science, 1996, 7, 777-788.	2.2	121
23	Ecosystem consequences of plant life form changes at three sites in the semiarid United States. Oecologia, 1999, 121, 551-563.	2.0	104
24	Integrated Modeling of Land Use and Cover Change. BioScience, 1994, 44, 350-356.	4.9	103
25	Using Mechanistic Models to Scale Ecological Processes across Space and Time. BioScience, 2003, 53, 68.	4.9	101
26	Litter decomposition in grasslands of Central North America (US Great Plains). Global Change Biology, 2009, 15, 1356-1363.	9.5	100
27	Defining the limit to resistance in a drought-tolerant grassland: long-term severe drought significantly reduces the dominant species and increases ruderals. Journal of Ecology, 2011, 99, 1500-1507.	4.0	98
28	The effect of climate and cultivation on soil organic C and N. Biogeochemistry, 2004, 67, 57-72.	3.5	97
29	Is bacterial moisture niche a good predictor of shifts in community composition under long-term drought?. Ecology, 2014, 95, 110-122.	3.2	97
30	Carbon and Nitrogen Decoupling Under an 11-Year Drought in the Shortgrass Steppe. Ecosystems, 2013, 16, 20-33.	3.4	96
31	Conservation of nitrogen increases with precipitation across a major grassland gradient in the Central Great Plains of North America. Oecologia, 2009, 159, 571-581.	2.0	89
32	Patterns of Production and Precipitation-Use Efficiency of Winter Wheat and Native Grasslands in the Central Great Plains of the United States. Ecosystems, 2000, 3, 344-351.	3.4	83
33	Influence of soil depth on the decomposition of Bouteloua gracilis roots in the shortgrass steppe. Plant and Soil, 2002, 241, 233-242.	3.7	83
34	Regional Patterns in Carbon Cycling Across the Great Plains of North America. Ecosystems, 2005, 8, 106-121.	3.4	83
35	Assessing spatial patterns of forest fuel using AVIRIS data. Remote Sensing of Environment, 2006, 102, 318-327.	11.0	80
36	The relative abundance of three plant functional types in temperate grasslands and shrublands of North and South America: effects of projected climate change. Journal of Biogeography, 2002, 29, 875-888.	3.0	77

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37	Soil Organic Matter and Nutrient Availability Responses to Reduced Plant Inputs in Shortgrass Steppe. <i>Ecology</i> , 1996, 77, 2516-2527.	3.2	76
38	Impacts of Cropping Intensity on Carbon and Nitrogen Mineralization under No-Till Dryland Agroecosystems. <i>Agronomy Journal</i> , 1990, 82, 1115-1120.	1.8	72
39	Contingent effects of plant species on soils along a regional moisture gradient in the Great Plains. <i>Oecologia</i> , 1997, 110, 393-402.	2.0	72
40	Soil nutrients and microbial activity after early and late season prescribed burns in a Sierra Nevada mixed conifer forest. <i>Forest Ecology and Management</i> , 2008, 256, 367-374.	3.2	66
41	Evaluation of Methods for Estimating Net Nitrogen Mineralization in a Semiarid Grassland. <i>Soil Science Society of America Journal</i> , 1995, 59, 831-837.	2.2	58
42	Stable Nitrogen and Carbon Pools in Grassland Soils of Variable Texture and Carbon Content. <i>Ecosystems</i> , 2002, 5, 461-471.	3.4	58
43	Net Erosion on a Sagebrush Steppe Landscape as Determined by Cesium-137 Distribution. <i>Soil Science Society of America Journal</i> , 1991, 55, 254-258.	2.2	56
44	THE IMPACT OF CROPPING ON PRIMARY PRODUCTION IN THE U.S. GREAT PLAINS. <i>Ecology</i> , 2005, 86, 1863-1872.	3.2	56
45	Soil Organic Matter Recovery on Conservation Reserve Program Fields in Southeastern Wyoming. <i>Soil Science Society of America Journal</i> , 1998, 62, 725-730.	2.2	55
46	Society Is Ready for a New Kind of Science—Is Academia?. <i>BioScience</i> , 2017, 67, 591-592.	4.9	54
47	Soil carbon flux following pulse precipitation events in the shortgrass steppe. <i>Ecological Research</i> , 2010, 25, 205-211.	1.5	52
48	The Influence of Climate, Soils, Weather, and Land Use on Primary Production and Biomass Seasonality in the US Great Plains. <i>Ecosystems</i> , 2006, 9, 934-950.	3.4	48
49	Regional analysis of litter quality in the central grassland region of North America. <i>Journal of Vegetation Science</i> , 2002, 13, 395-402.	2.2	47
50	Effects of Cultivation and Abandonment on Soil Organic Matter in Northeastern Colorado. <i>Soil Science Society of America Journal</i> , 1995, 59, 1112-1119.	2.2	46
51	Plant phenology and life span influence soil pool dynamics: <i>Bromus tectorum</i> invasion of perennial C3-C4 grass communities. <i>Plant and Soil</i> , 2010, 335, 255-269.	3.7	41
52	Plant Functional Type Effects on Trace Gas Fluxes in the Shortgrass Steppe. <i>Biogeochemistry</i> , 1998, 42, 145-168.	3.5	39
53	Plant Effects on Spatial and Temporal Patterns of Nitrogen Cycling in Shortgrass Steppe. <i>Ecosystems</i> , 1998, 1, 374-385.	3.4	39
54	HETEROGENEITY OF SOIL ORGANIC MATTER FOLLOWING DEATH OF INDIVIDUAL PLANTS IN SHORTGRASS STEPPE. <i>Ecology</i> , 1997, 78, 1256-1261.	3.2	38

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55	Herbicide Treatment Effects on Properties of Mountain Big Sagebrush Soils after Fourteen Years. Soil Science Society of America Journal, 1987, 51, 1337-1343.	2.2	33
56	Land-use impact on ecosystem functioning in eastern Colorado, USA. Global Change Biology, 2001, 7, 631-639.	9.5	33
57	Seasonal Patterns of Root Production with Water and Nitrogen Additions Across Three Dryland Ecosystems. Ecosystems, 2019, 22, 1664-1675.	3.4	5
58	Allometric Modeling of Bunchgrasses in Big Sagebrush Plant Communities. Rangeland Ecology and Management, 2021, 79, 77-86.	2.3	4