

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	Allometric Modeling of Bunchgrasses in Big Sagebrush Plant Communities. <i>Rangeland Ecology and Management</i> , 2021, 79, 77-86.	2.3	4
2	Seasonal Patterns of Root Production with Water and Nitrogen Additions Across Three Dryland Ecosystems. <i>Ecosystems</i> , 2019, 22, 1664-1675.	3.4	5
3	Society Is Ready for a New Kind of Science—Is Academia?. <i>BioScience</i> , 2017, 67, 591-592.	4.9	54
4	Is bacterial moisture niche a good predictor of shifts in community composition under long-term drought?. <i>Ecology</i> , 2014, 95, 110-122.	3.2	97
5	Carbon and Nitrogen Decoupling Under an 11-Year Drought in the Shortgrass Steppe. <i>Ecosystems</i> , 2013, 16, 20-33.	3.4	96
6	Defining the limit to resistance in a drought-tolerant grassland: long-term severe drought significantly reduces the dominant species and increases ruderals. <i>Journal of Ecology</i> , 2011, 99, 1500-1507.	4.0	98
7	Soil carbon flux following pulse precipitation events in the shortgrass steppe. <i>Ecological Research</i> , 2010, 25, 205-211.	1.5	52
8	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
9	Conservation of nitrogen increases with precipitation across a major grassland gradient in the Central Great Plains of North America. <i>Oecologia</i> , 2009, 159, 571-581.	2.0	89
10	Litter decomposition in grasslands of Central North America (US Great Plains). <i>Global Change Biology</i> , 2009, 15, 1356-1363.	9.5	100
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	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
13	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
14	Global-Scale Similarities in Nitrogen Release Patterns During Long-Term Decomposition. <i>Science</i> , 2007, 315, 361-364.	12.6	1,027
15	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
16	Assessing spatial patterns of forest fuel using AVIRIS data. <i>Remote Sensing of Environment</i> , 2006, 102, 318-327.	11.0	80
17	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
18	THE IMPACT OF CROPPING ON PRIMARY PRODUCTION IN THE U.S. GREAT PLAINS. <i>Ecology</i> , 2005, 86, 1863-1872.	3.2	56

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19	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
20	Regional Patterns in Carbon Cycling Across the Great Plains of North America. <i>Ecosystems</i> , 2005, 8, 106-121.	3.4	83
21	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
22	Functional traits of graminoids in semi-arid steppes: a test of grazing histories. <i>Journal of Applied Ecology</i> , 2004, 41, 653-663.	4.0	145
23	The effect of climate and cultivation on soil organic C and N. <i>Biogeochemistry</i> , 2004, 67, 57-72.	3.5	97
24	Using Mechanistic Models to Scale Ecological Processes across Space and Time. <i>BioScience</i> , 2003, 53, 68.	4.9	101
25	The Importance of Land-Use Legacies to Ecology and Conservation. <i>BioScience</i> , 2003, 53, 77.	4.9	916
26	Stable Nitrogen and Carbon Pools in Grassland Soils of Variable Texture and Carbon Content. <i>Ecosystems</i> , 2002, 5, 461-471.	3.4	58
27	The relative abundance of three plant functional types in temperate grasslands and shrublands of North and South America: effects of projected climate change. <i>Journal of Biogeography</i> , 2002, 29, 875-888.	3.0	77
28	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
29	Influence of soil depth on the decomposition of <i>Bouteloua gracilis</i> roots in the shortgrass steppe. <i>Plant and Soil</i> , 2002, 241, 233-242.	3.7	83
30	Land-use impact on ecosystem functioning in eastern Colorado, USA. <i>Global Change Biology</i> , 2001, 7, 631-639.	9.5	33
31	Patterns of Production and Precipitation-Use Efficiency of Winter Wheat and Native Grasslands in the Central Great Plains of the United States. <i>Ecosystems</i> , 2000, 3, 344-351.	3.4	83
32	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
33	Biotic and Abiotic Nitrogen Retention in a Variety of Forest Soils. <i>Soil Science Society of America Journal</i> , 2000, 64, 1503-1514.	2.2	152
34	BIOGEOCHEMISTRY IN A SHORTGRASS LANDSCAPE: CONTROL BY TOPOGRAPHY, SOIL TEXTURE, AND MICROCLIMATE. <i>Ecology</i> , 2000, 81, 2686-2703.	3.2	223
35	Ecosystem consequences of plant life form changes at three sites in the semiarid United States. <i>Oecologia</i> , 1999, 121, 551-563.	2.0	104
36	Grassland Precipitation-Use Efficiency Varies Across a Resource Gradient. <i>Ecosystems</i> , 1999, 2, 64-68.	3.4	264

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37	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
38	Plant Functional Type Effects on Trace Gas Fluxes in the Shortgrass Steppe. <i>Biogeochemistry</i> , 1998, 42, 145-168.	3.5	39
39	Plant Effects on Spatial and Temporal Patterns of Nitrogen Cycling in Shortgrass Steppe. <i>Ecosystems</i> , 1998, 1, 374-385.	3.4	39
40	Ecosystem Consequences of Changing Biodiversity. <i>BioScience</i> , 1998, 48, 45-52.	4.9	319
41	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
42	ANPP ESTIMATES FROM NDVI FOR THE CENTRAL GRASSLAND REGION OF THE UNITED STATES. <i>Ecology</i> , 1997, 78, 953-958.	3.2	419
43	HETEROGENEITY OF SOIL ORGANIC MATTER FOLLOWING DEATH OF INDIVIDUAL PLANTS IN SHORTGRASS STEPPE. <i>Ecology</i> , 1997, 78, 1256-1261.	3.2	38
44	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
45	Ecological responses of dominant grasses along two climatic gradients in the Great Plains of the United States. <i>Journal of Vegetation Science</i> , 1996, 7, 777-788.	2.2	121
46	Soil Organic Matter and Nutrient Availability Responses to Reduced Plant Inputs in Shortgrass Steppe. <i>Ecology</i> , 1996, 77, 2516-2527.	3.2	76
47	Interactions Between Individual Plant Species and Soil Nutrient Status in Shortgrass Steppe. <i>Ecology</i> , 1995, 76, 1116-1133.	3.2	275
48	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
49	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
50	Integrated Modeling of Land Use and Cover Change. <i>BioScience</i> , 1994, 44, 350-356.	4.9	103
51	Regional Analysis of the Central Great Plains. <i>BioScience</i> , 1991, 41, 685-692.	4.9	218
52	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
53	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
54	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

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55	Regional modeling of grassland biogeochemistry using GIS. <i>Landscape Ecology</i> , 1990, 4, 45-54.	4.2	129
56	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
57	Control of Nitrogen Mineralization a Sagebrush Steppe Landscape. <i>Ecology</i> , 1989, 70, 1115-1126.	3.2	153
58	Herbicide Treatment Effects on Properties of Mountain Big Sagebrush Soils after Fourteen Years. <i>Soil Science Society of America Journal</i> , 1987, 51, 1337-1343.	2.2	33