

David A Wedin

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,797
citations

394286

19
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

3361
citing authors

#	ARTICLE	IF	CITATIONS
1	Species effects on nitrogen cycling: a test with perennial grasses. <i>Oecologia</i> , 1990, 84, 433-441.	0.9	630
2	Grassland productivity limited by multiple nutrients. <i>Nature Plants</i> , 2015, 1, 15080.	4.7	403
3	Carbon Isotope Dynamics During Grass Decomposition and Soil Organic Matter Formation. <i>Ecology</i> , 1995, 76, 1383-1392.	1.5	252
4	Predominance of ecophysiological controls on soil CO ₂ flux in a Minnesota grassland. <i>Plant and Soil</i> , 1998, 207, 77-86.	1.8	226
5	FIRE AND VEGETATION EFFECTS ON PRODUCTIVITY AND NITROGEN CYCLING ACROSS A FOREST-GRASSLAND CONTINUUM. <i>Ecology</i> , 2001, 82, 1703-1719.	1.5	206
6	Seasonal changes in depth of water uptake for encroaching trees <i>Juniperus virginiana</i> and <i>Pinus ponderosa</i> and two dominant C ₄ grasses in a semiarid grassland. <i>Tree Physiology</i> , 2008, 29, 157-169.	1.4	204
7	SOIL CARBON, NUTRIENTS, AND MYCORRHIZAE DURING CONVERSION OF DRY TROPICAL FOREST TO GRASSLAND. , 1997, 7, 171-182.		138
8	Nitrogen mineralization dynamics in grass monocultures. <i>Oecologia</i> , 1993, 96, 186-192.	0.9	126
9	A DGGE-cloning method to characterize arbuscular mycorrhizal community structure in soil. <i>Soil Biology and Biochemistry</i> , 2008, 40, 956-966.	4.2	79
10	The response of soil CO ₂ flux to changes in atmospheric CO ₂ , nitrogen supply and plant diversity. <i>Global Change Biology</i> , 2001, 7, 947-953.	4.2	75
11	Effect of vegetation on the temporal stability of soil moisture in grass-stabilized semi-arid sand dunes. <i>Journal of Hydrology</i> , 2015, 521, 447-459.	2.3	64
12	Regional analysis of litter quality in the central grassland region of North America. <i>Journal of Vegetation Science</i> , 2002, 13, 395-402.	1.1	47
13	Ecophysiology of Two Native Invasive Woody Species and Two Dominant Warm-Season Grasses in the Semiarid Grasslands of the Nebraska Sandhills. <i>International Journal of Plant Sciences</i> , 2006, 167, 991-999.	0.6	47
14	Evaluation of ecohydrologic model parsimony at local and regional scales in a semiarid grassland ecosystem. <i>Ecohydrology</i> , 2012, 5, 121-142.	1.1	42
15	Determinants of growing season soil CO ₂ flux in a Minnesota grassland. <i>Biogeochemistry</i> , 2002, 59, 303-313.	1.7	37
16	Hydrological behaviour of grasslands of the Sandhills of Nebraska: water and energy balance assessment from measurements, treatments, and modelling. <i>Ecohydrology</i> , 2009, 2, 195-212.	1.1	34
17	Grassland species effects on soil CO ₂ flux track the effects of elevated CO ₂ and nitrogen. <i>New Phytologist</i> , 2001, 150, 425-434.	3.5	25
18	Land-Use Type as a Driver of Large Wildfire Occurrence in the U.S. Great Plains. <i>Remote Sensing</i> , 2020, 12, 1869.	1.8	24

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19	Intra-annual variability and environmental controls over transpiration in a 58-year-old even-aged stand of invasive woody <i>Juniperus virginiana</i> L. in the Nebraska Sandhills, USA. <i>Ecohydrology</i> , 2013, 6, 731-740.	1.1	21
20	Does diversity beget stability?. <i>Nature</i> , 1994, 371, 114-114.	13.7	20
21	Resilience of Sandhills Grassland to Wildfire During Drought. <i>Rangeland Ecology and Management</i> , 2018, 71, 53-57.	1.1	18
22	Fire and Vegetation Effects on Productivity and Nitrogen Cycling across a Forest-Grassland Continuum. <i>Ecology</i> , 2001, 82, 1703.	1.5	11
23	C4 Grasses: Resource Use, Ecology, and Global Change. <i>Agronomy</i> , 2016, , 15-50.	0.2	11
24	Molecular Diversity of Arbuscular Mycorrhizae in Roots of <i>Juniperus virginiana</i> Invasive to Grasslands. <i>Soil Science Society of America Journal</i> , 2017, 81, 526-536.	1.2	11
25	Fire legacies, heterogeneity, and the importance of mixed-severity fire in ponderosa pine savannas. <i>Forest Ecology and Management</i> , 2020, 459, 117853.	1.4	11
26	Fire legacies in eastern ponderosa pine forests. <i>Ecology and Evolution</i> , 2019, 9, 1869-1879.	0.8	10
27	Regional analysis of litter quality in the central grassland region of North America. <i>Journal of Vegetation Science</i> , 2002, 13, 395.	1.1	8
28	Ponderosa Pine Regeneration, Wildland Fuels Management, and Habitat Conservation: Identifying Trade-Offs Following Wildfire. <i>Forests</i> , 2019, 10, 286.	0.9	5
29	Targeted grazing and mechanical thinning enhance forest stand resilience under a narrow range of wildfire scenarios. <i>Ecosphere</i> , 2022, 13, .	1.0	5
30	Relationships between Wildfire Burn Severity, Cavity-Nesting Bird Assemblages, and Habitat in an Eastern Ponderosa Pine Forest. <i>American Midland Naturalist</i> , 2019, 181, 1.	0.2	4
31	Soil Carbon, Nutrients, and Mycorrhizae During Conversion of Dry Tropical Forest to Grassland. , 1997, 7, 171.		3