

David A Wedin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

2,275
citations

17
h-index

31
g-index

31
ext. papers

2,495
ext. citations

5.7
avg, IF

4.51
L-index

#	Paper	IF	Citations
30	Species effects on nitrogen cycling: a test with perennial grasses. <i>Oecologia</i> , 1990 , 84, 433-441	2.9	575
29	Grassland productivity limited by multiple nutrients. <i>Nature Plants</i> , 2015 , 1, 15080	11.5	254
28	Carbon Isotope Dynamics During Grass Decomposition and Soil Organic Matter Formation. <i>Ecology</i> , 1995 , 76, 1383-1392	4.6	215
27	Predominance of ecophysiological controls on soil CO ₂ flux in a Minnesota grassland. <i>Plant and Soil</i> , 1998 , 207, 77-86	4.2	195
26	FIRE AND VEGETATION EFFECTS ON PRODUCTIVITY AND NITROGEN CYCLING ACROSS A FOREST-GRASSLAND CONTINUUM. <i>Ecology</i> , 2001 , 82, 1703-1719	4.6	176
25	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> , 2009 , 29, 157-69	4.2	149
24	SOIL CARBON, NUTRIENTS, AND MYCORRHIZAE DURING CONVERSION OF DRY TROPICAL FOREST TO GRASSLAND 1997 , 7, 171-182		120
23	Nitrogen mineralization dynamics in grass monocultures. <i>Oecologia</i> , 1993 , 96, 186-192	2.9	115
22	A DGGE-cloning method to characterize arbuscular mycorrhizal community structure in soil. <i>Soil Biology and Biochemistry</i> , 2008 , 40, 956-966	7.5	74
21	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	11.4	65
20	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	6	45
19	Regional analysis of litter quality in the central grassland region of North America. <i>Journal of Vegetation Science</i> , 2002 , 13, 395-402	3.1	43
18	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	2.6	41
17	Evaluation of ecohydrologic model parsimony at local and regional scales in a semiarid grassland ecosystem. <i>Ecohydrology</i> , 2012 , 5, 121-142	2.5	33
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	2.5	31
15	Determinants of growing season soil CO ₂ flux in a Minnesota grassland. <i>Biogeochemistry</i> , 2002 , 59, 303-318	3.8	31
14	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	9.8	21

13	Resilience of Sandhills Grassland to Wildfire During Drought. <i>Rangeland Ecology and Management</i> , 2018 , 71, 53-57	2.2	15
12	Does diversity beget stability?. <i>Nature</i> , 1994 , 371, 114-114	50.4	14
11	Land-Use Type as a Driver of Large Wildfire Occurrence in the U.S. Great Plains. <i>Remote Sensing</i> , 2020 , 12, 1869	5	11
10	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> , 2012 , 6, n/a-n/a	2.5	9
9	Fire and Vegetation Effects on Productivity and Nitrogen Cycling across a Forest-Grassland Continuum. <i>Ecology</i> , 2001 , 82, 1703	4.6	9
8	Fire legacies in eastern ponderosa pine forests. <i>Ecology and Evolution</i> , 2019 , 9, 1869-1879	2.8	7
7	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	2.5	7
6	Fire legacies, heterogeneity, and the importance of mixed-severity fire in ponderosa pine savannas. <i>Forest Ecology and Management</i> , 2020 , 459, 117853	3.9	4
5	Regional analysis of litter quality in the central grassland region of North America 2002 , 13, 395		4
4	Ponderosa Pine Regeneration, Wildland Fuels Management, and Habitat Conservation: Identifying Trade-Offs Following Wildfire. <i>Forests</i> , 2019 , 10, 286	2.8	3
3	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	0.7	3
2	SOIL CARBON, NUTRIENTS, AND MYCORRHIZAE DURING CONVERSION OF DRY TROPICAL FOREST TO GRASSLAND 1997 , 7, 171		3
1	C4 Grasses: Resource Use, Ecology, and Global Change. <i>Agronomy</i> , 2016 , 15-50	0.8	3