

Mark W Paschke

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,853
citations

147801

31
h-index

189892

50
g-index

82
all docs

82
docs citations

82
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallophytes—a view from the rhizosphere. <i>Plant and Soil</i> , 2010, 337, 33-50.	3.7	178
2	Original Articles: Nitrogen Availability and Old-Field Succession in a Shortgrass Steppe. <i>Ecosystems</i> , 2000, 3, 144-158.	3.4	177
3	Immobilizing nitrogen to control plant invasion. <i>Oecologia</i> , 2010, 163, 13-24.	2.0	126
4	Filamentous Fungi: the Indeterminate Lifestyle and Microbial Ecology. <i>Microbial Ecology</i> , 2004, 47, 224-35.	2.8	114
5	Drivers of deforestation and forest degradation in Vietnam: An exploratory analysis at the national level. <i>Forest Policy and Economics</i> , 2018, 90, 128-141.	3.4	103
6	Concentrations of the Allelochemical (±)-Catechin IN <i>Centaurea maculosa</i> Soils. <i>Journal of Chemical Ecology</i> , 2007, 33, 2337-2344.	1.8	81
7	Immobilization of soil nitrogen as a possible method for the restoration of sandy grassland. <i>Applied Vegetation Science</i> , 2000, 3, 7-14.	1.9	80
8	Drivers of seedling establishment success in dryland restoration efforts. <i>Nature Ecology and Evolution</i> , 2021, 5, 1283-1290.	7.8	75
9	Optimizing seed mixture diversity and seeding rates for grassland restoration. <i>Restoration Ecology</i> , 2017, 25, 396-404.	2.9	66
10	Manganese toxicity thresholds for restoration grass species. <i>Environmental Pollution</i> , 2005, 135, 313-322.	7.5	59
11	Long-term impacts of infrequent biosolids applications on chemical and microbial properties of a semi-arid rangeland soil. <i>Biology and Fertility of Soils</i> , 2006, 42, 258-266.	4.3	58
12	Soil nitrogen mineralization in plantations of <i>Juglans nigra</i> interplanted with actinorhizal <i>Elaeagnus umbellata</i> or <i>Alnus glutinosa</i> . <i>Plant and Soil</i> , 1989, 118, 33-42.	3.7	55
13	Revegetation of Roadcut Slopes in Mesa Verde National Park, U.S.A.. <i>Restoration Ecology</i> , 2000, 8, 276-282.	2.9	51
14	Screening of Grassland Plants for Restoration after Spotted Knapweed Invasion. <i>Restoration Ecology</i> , 2005, 13, 725-735.	2.9	49
15	Parallel shifts in plant and soil microbial communities in response to biosolids in a semi-arid grassland. <i>Soil Biology and Biochemistry</i> , 2006, 38, 449-459.	8.8	47
16	Saprophytic fungal-bacterial biomass variations in successional communities of a semi-arid steppe ecosystem. <i>Biology and Fertility of Soils</i> , 1995, 19, 253-256.	4.3	45
17	Zinc toxicity thresholds for important reclamation grass species of the western united states. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2751-2756.	4.3	45
18	Arbuscular mycorrhizal fungal community differs between a coexisting native shrub and introduced annual grass. <i>Mycorrhiza</i> , 2013, 23, 129-141.	2.8	44

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19	Zinc Toxicity Thresholds for Reclamation Forb Species. <i>Water, Air, and Soil Pollution</i> , 2006, 170, 317-330.	2.4	43
20	Variation in Frankia Populations of the Elaeagnus Host Infection Group in Nodules of Six Host Plant Species after Inoculation with Soil. <i>Microbial Ecology</i> , 2009, 58, 384-393.	2.8	40
21	Infrequent composted biosolids applications affect semi-arid grassland soils and vegetation. <i>Journal of Environmental Management</i> , 2010, 91, 1123-1130.	7.8	40
22	The floral volatile, methyl benzoate, from snapdragon (<i>Antirrhinum majus</i>) triggers phytotoxic effects in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2007, 226, 1-10.	3.2	39
23	Enhanced decomposition of selenium hyperaccumulator litter in a seleniferous habitat—evidence for specialist decomposers?. <i>Plant and Soil</i> , 2011, 341, 51-61.	3.7	38
24	Plant and Soil Responses to Biosolids Application following Forest Fire. <i>Journal of Environmental Quality</i> , 2004, 33, 873.	2.0	37
25	Phytotoxic polyacetylenes from roots of Russian knapweed (<i>Acroptilon repens</i> (L.) DC.). <i>Phytochemistry</i> , 2008, 69, 2572-2578.	2.9	36
26	The occurrence of Frankia in tropical forest soils of Costa Rica. <i>Plant and Soil</i> , 1992, 142, 63-67.	3.7	34
27	A soil microbial community structural-functional index: the microscopy-based total/active/active fungal/bacterial (TA/AFB) biovolumes ratio. <i>Applied Soil Ecology</i> , 2000, 14, 257-268.	4.3	34
28	Early seral plant species—interactions with an arbuscular mycorrhizal fungi community are highly variable. <i>Applied Soil Ecology</i> , 2011, 48, 257-262.	4.3	34
29	Tracked Vehicle Impacts to Vegetation Structure and Soil Erodibility. <i>Journal of Range Management</i> , 2001, 54, 711.	0.3	33
30	Native cover crops suppress exotic annuals and favor native perennials in a greenhouse competition experiment. <i>Plant Ecology</i> , 2009, 204, 247-259.	1.6	32
31	Avian dispersal of <i>Frankia</i> . <i>Canadian Journal of Botany</i> , 1993, 71, 1128-1131.	1.1	31
32	Diversity of frankiae in root nodules of <i>Morella pensylvanica</i> grown in soils from five continents. <i>Systematic and Applied Microbiology</i> , 2009, 32, 201-210.	2.8	31
33	The Influence of Soil Inoculum and Nitrogen Availability on Restoration of High-Elevation Steppe Communities Invaded by <i>Bromus tectorum</i> . <i>Restoration Ecology</i> , 2009, 17, 686-694.	2.9	31
34	Selenium hyperaccumulation by <i>Astragalus</i> (Fabaceae) does not inhibit root nodule symbiosis. <i>American Journal of Botany</i> , 2012, 99, 1930-1941.	1.7	31
35	<i>Symphyotrichum ericoides</i> populations from seleniferous and nonseleniferous soil display striking variation in selenium accumulation. <i>New Phytologist</i> , 2015, 206, 231-242.	7.3	31
36	A putative allelopathic agent of Russian knapweed occurs in invaded soils. <i>Soil Biology and Biochemistry</i> , 2007, 39, 1812-1815.	8.8	30

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37	COPPER TOXICITY THRESHOLDS FOR IMPORTANT RESTORATION GRASS SPECIES OF THE WESTERN UNITED STATES. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2692.	4.3	30
38	Nodulation patterns of actinorhizal plants in the family rosaceae. <i>Plant and Soil</i> , 1994, 162, 229-239.	3.7	28
39	Decreases in Soil Microbial Function and Functional Diversity in Response to Depleted Uranium. <i>Journal of Environmental Quality</i> , 1998, 27, 1306-1311.	2.0	28
40	Manganese and Zinc Toxicity Thresholds for Mountain and Geyer Willow. <i>International Journal of Phytoremediation</i> , 2007, 9, 437-452.	3.1	27
41	Actinorhizal Plants in Rangelands of the Western United States. <i>Journal of Range Management</i> , 1997, 50, 62.	0.3	26
42	Recovery of small pile burn scars in conifer forests of the Colorado Front Range. <i>Forest Ecology and Management</i> , 2015, 347, 180-187.	3.2	26
43	Understory Responses to Mechanical Treatment of Pinyon-Juniper in Northwestern Colorado. <i>Rangeland Ecology and Management</i> , 2016, 69, 351-359.	2.3	26
44	Forest Cover Change, Households'™ Livelihoods, Trade-Offs, and Constraints Associated with Plantation Forests in Poor Upland-Rural Landscapes: Evidence from North Central Vietnam. <i>Forests</i> , 2020, 11, 548.	2.1	26
45	Comparative fungal responses in managed plant communities infested by spotted (<i>Centaurea maculosa</i>) Tj ETQq1 1 0.784314 rgBT / 4.3 25	4.3	25
46	WHITE LOCOWEED TOXICITY IS FACILITATED BY A FUNGAL ENDOPHYTE AND NITROGEN-FIXING BACTERIA. <i>Ecology</i> , 2007, 88, 1850-1856.	3.2	24
47	Diversity of frankiae in soils from five continents. <i>Systematic and Applied Microbiology</i> , 2009, 32, 558-570.	2.8	24
48	Roles of rhizobial symbionts in selenium hyperaccumulation in <i>Astragalus</i> (Fabaceae). <i>American Journal of Botany</i> , 2014, 101, 1895-1905.	1.7	23
49	Long-Term Effects of Biosolids on Revegetation of Disturbed Sagebrush Steppe in Northwestern Colorado. <i>Restoration Ecology</i> , 2005, 13, 545-551.	2.9	22
50	Long-term outcome of nitrogen immobilization to restore endemic sand grassland in Hungary. <i>Journal of Applied Ecology</i> , 2014, 51, 756-765.	4.0	21
51	Phytotoxic Allelochemicals From Roots and Root Exudates of Leafy Spurge (<i>Euphorbia esula</i> L.). <i>Plant Signaling and Behavior</i> , 2006, 1, 323-327.	2.4	20
52	No evidence for root-mediated allelopathy in <i>Centaurea solstitialis</i> , a species in a commonly allelopathic genus. <i>Biological Invasions</i> , 2007, 9, 897-907.	2.4	19
53	The Use of Seedbed Modifications and Wood Chips to Accelerate Restoration of Well Pad Sites in Western Colorado, U.S.A.. <i>Restoration Ecology</i> , 2012, 20, 524-531.	2.9	19
54	Water Treatment Residuals and Biosolids Long-Term Co-Applications Effects to Semi-Arid Grassland Soils and Vegetation. <i>Soil Science Society of America Journal</i> , 2009, 73, 1880-1889.	2.2	18

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55	Twenty-five years of sagebrush steppe plant community development following seed addition. <i>Journal of Applied Ecology</i> , 2012, 49, 911-918.	4.0	18
56	Water Treatment Residuals and Biosolids Coapplications Affect Semiarid Rangeland Phosphorus Cycling. <i>Soil Science Society of America Journal</i> , 2008, 72, 711-719.	2.2	17
57	Using native annual plants to restore post-fire habitats in western North America. <i>International Journal of Wildland Fire</i> , 2013, 22, 815.	2.4	17
58	Energy Development and Production in the Great Plains: Implications and Mitigation Opportunities. <i>Rangeland Ecology and Management</i> , 2021, 78, 257-272.	2.3	17
59	Biology and establishment of mountain shrubs on mining disturbances in the Rocky Mountains, USA. <i>Land Degradation and Development</i> , 2003, 14, 459-480.	3.9	16
60	Modelling plant growth dynamics in sagebrush steppe communities affected by fire. <i>Journal of Arid Environments</i> , 2007, 69, 144-157.	2.4	16
61	The Effects of Flavonoid Allelochemicals from Knapweeds on Legume-Rhizobia Candidates for Restoration. <i>Restoration Ecology</i> , 2009, 17, 506-514.	2.9	16
62	The role of the native soil community in the invasion ecology of spotted (Centaurea maculosa auct.) Tj ETQq0 0 0 rBT /Overlock 10 Tf 5	4.3	14
63	A comparison of modeled and measured impacts of resource manipulations for control of Bromus tectorum in sagebrush steppe. <i>Journal of Arid Environments</i> , 2008, 72, 836-846.	2.4	14
64	Assessment of fungal-bacterial development in a successional shortgrass steppe by direct integration of chloroform-fumigation extraction (FE) and microscopically derived data. <i>Soil Biology and Biochemistry</i> , 1998, 30, 573-581.	8.8	13
65	A molecular approach to understanding plant - plant interactions in the context of invasion biology. <i>Functional Plant Biology</i> , 2008, 35, 1123.	2.1	11
66	Opportunities and challenges of integrating ecological restoration into assessment and management of contaminated ecosystems. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 296-305.	2.9	11
67	Roadside Use of Native Plants. <i>Restoration Ecology</i> , 2002, 10, 171-171.	2.9	9
68	Restoration for multiple use. <i>Restoration Ecology</i> , 2019, 27, 701.	2.9	9
69	Phytotoxicity of smelter-impacted soils in southwest Montana, USA. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 269-274.	4.3	8
70	Diffuse knapweed (Centaurea diffusa Lam.) seedling emergence and establishment in a Colorado grassland. <i>Plant Ecology</i> , 2009, 201, 631-638.	1.6	7
71	Water Treatment Residuals and Biosolids Coapplications Affect Phosphatases in a Semi-arid Rangeland Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2008, 39, 2812-2826.	1.4	5
72	PHYTOXICITY OF SMELTER-IMPACTED SOILS IN SOUTHWEST MONTANA, USA. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 269.	4.3	5

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73	Indaziflam Reduces Seed Bank Richness and Density but not Sagebrush-Grassland Plant Diversity. <i>Rangeland Ecology and Management</i> , 2022, 84, 31-44.	2.3	4
74	Impact of grasshoppers and an invasive grass on establishment and initial growth of restoration plant species. <i>Restoration Ecology</i> , 2017, 25, 385-395.	2.9	3
75	ZINC TOXICITY THRESHOLDS FOR IMPORTANT RECLAMATION GRASS SPECIES OF THE WESTERN UNITED STATES. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2751.	4.3	3
76	Copper toxicity thresholds for important restoration grass species of the Western United States. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2692-7.	4.3	3
77	Root Exudation and Rhizosphere Biology: Multiple Functions of a Plant Secondary Metabolite. , 2006, , 403-420.		2
78	Diffuse knapweed (<i>Centaurea diffusa</i> Lam.) seedling emergence and establishment in a Colorado grassland. , 2009, , 267-274.		0