

Jacob M Jungers

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,011
citations

471509

17
h-index

477307

29
g-index

43
all docs

43
docs citations

43
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Managing for Multifunctionality in Perennial Grain Crops. <i>BioScience</i> , 2018, 68, 294-304.	4.9	113
2	Reduced nitrate leaching in a perennial grain crop compared to maize in the Upper Midwest, USA. <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 63-73.	5.3	104
3	Intermediate Wheatgrass Grain and Forage Yield Responses to Nitrogen Fertilization. <i>Agronomy Journal</i> , 2017, 109, 462-472.	1.8	73
4	Perennial Grain and Oilseed Crops. <i>Annual Review of Plant Biology</i> , 2016, 67, 703-729.	18.7	68
5	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. <i>One Earth</i> , 2020, 3, 176-186.	6.8	60
6	â€œMNâ€œClearwaterâ€œ™, the first foodâ€œgrade intermediate wheatgrass (Kernza perennial grain) cultivar. <i>Journal of Plant Registrations</i> , 2020, 14, 288-297.	0.5	58
7	Maintaining grain yields of the perennial cereal intermediate wheatgrass in monoculture <i>v.</i> bi-culture with alfalfa in the Upper Midwestern USA. <i>Journal of Agricultural Science</i> , 2018, 156, 758-773.	1.3	46
8	Longâ€œTerm Biomass Yield and Species Composition in Native Perennial Bioenergy Cropping Systems. <i>Agronomy Journal</i> , 2015, 107, 1627-1640.	1.8	32
9	Energy Potential of Biomass from Conservation Grasslands in Minnesota, USA. <i>PLoS ONE</i> , 2013, 8, e61209.	2.5	32
10	Effects of defoliation and row spacing on intermediate wheatgrass I: Grain production. <i>Agronomy Journal</i> , 2020, 112, 1748-1763.	1.8	31
11	Climate Benefits of Increasing Plant Diversity in Perennial Bioenergy Crops. <i>One Earth</i> , 2019, 1, 434-445.	6.8	30
12	Effects of defoliation and row spacing on intermediate wheatgrass II: Forage yield and economics. <i>Agronomy Journal</i> , 2020, 112, 1862-1880.	1.8	29
13	The Effect of Nitrogen, Phosphorus, and Potassium Fertilizers on Prairie Biomass Yield, Ethanol Yield, and Nutrient Harvest. <i>Bioenergy Research</i> , 2015, 8, 279-291.	3.9	28
14	Harvest Date Effects on Biomass Yield, Moisture Content, Mineral Concentration, and Mineral Export in Switchgrass and Native Polycultures Managed for Bioenergy. <i>Bioenergy Research</i> , 2015, 8, 740-749.	3.9	26
15	Growth, development, and biomass partitioning of the perennial grain crop <i>Thinopyrum intermedium</i>. <i>Annals of Applied Biology</i> , 2018, 172, 346-354.	2.5	26
16	Potassium Fertilization Affects Alfalfa Forage Yield, Nutritive Value, Root Traits, and Persistence. <i>Agronomy Journal</i> , 2019, 111, 2843-2852.	1.8	25
17	Stem and leaf forage nutritive value and morphology of reduced lignin alfalfa. <i>Agronomy Journal</i> , 2020, 112, 406-417.	1.8	25
18	Responses of Intermediate Wheatgrass to Plant Growth Regulators and Nitrogen Fertilizer. <i>Agronomy Journal</i> , 2018, 110, 1028-1035.	1.8	19

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19	Effects of nitrogen fertilization and planting density on intermediate wheatgrass yield. <i>Agronomy Journal</i> , 2020, 112, 4159-4170.	1.8	19
20	Process-based analysis of <i>Thinopyrum intermedium</i> phenological development highlights the importance of dual induction for reproductive growth and agronomic performance. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108341.	4.8	17
21	How does nitrogen and forage harvest affect belowground biomass and nonstructural carbohydrates in dual-use Kernza intermediate wheatgrass?. <i>Crop Science</i> , 2020, 60, 2562-2573.	1.8	15
22	Short-term harvesting of biomass from conservation grasslands maintains plant diversity. <i>GCB Bioenergy</i> , 2015, 7, 1050-1061.	5.6	13
23	Plant roots and GHG mitigation in native perennial bioenergy cropping systems. <i>GCB Bioenergy</i> , 2017, 9, 326-338.	5.6	11
24	Forage nutritive value of modern alfalfa cultivars. <i>Crop, Forage and Turfgrass Management</i> , 2020, 6, e20076.	0.6	11
25	Using Machine-Based Image Analysis to Quantify Rusts on Perennial Ryegrass. <i>The Plant Phenome Journal</i> , 2019, 2, 1-10.	2.0	10
26	Effects of Grassland Biomass Harvest on Nesting Pheasants and Ducks. <i>American Midland Naturalist</i> , 2015, 173, 122-132.	0.4	9
27	Silflower seed and biomass responses to plant density and nitrogen fertilization. , 2020, 3, e20118.		9
28	Diversifying bioenergy crops increases yield and yield stability by reducing weed abundance. <i>Science Advances</i> , 2021, 7, eabg8531.	10.3	9
29	Nitrogen transfer and yield effects of legumes intercropped with the perennial grain crop intermediate wheatgrass. <i>Field Crops Research</i> , 2022, 286, 108627.	5.1	8
30	Effects of seeding date on grain and biomass yield of intermediate wheatgrass. <i>Agronomy Journal</i> , 2022, 114, 2342-2351.	1.8	7
31	Establishing Native Perennial Bioenergy Crops with Cereal Grain Companion Crops. <i>Bioenergy Research</i> , 2015, 8, 109-118.	3.9	6
32	Water availability modifies productivity response to biodiversity and nitrogen in long-term grassland experiments. <i>Ecological Applications</i> , 2021, 31, e02363.	3.8	6
33	Effect of Bran Pre-Treatment with Endoxylanase on the Characteristics of Intermediate Wheatgrass (<i>Thinopyrum intermedium</i>) Bread. <i>Foods</i> , 2021, 10, 1464.	4.3	6
34	Relationships and influence of yield components on spaced plant and sward seed yield in perennial ryegrass. <i>Grass and Forage Science</i> , 2020, 75, 424-437.	2.9	5
35	Intermediate wheatgrass seed size and moisture dynamics inform grain harvest timing. <i>Crop Science</i> , 2022, 62, 410-424.	1.8	5
36	Cultivation of native plants for seed and biomass yield. <i>Agronomy Journal</i> , 2020, 112, 1815-1827.	1.8	4

#	ARTICLE	IF	CITATIONS
37	Forage yield and profitability of grain-type intermediate wheatgrass under different harvest schedules. , 2022, 5, .		4
38	Identifying Base Temperature for Alfalfa Germination: Implications for Frost Seeding. Crop Science, 2016, 56, 2833-2840.	1.8	3
39	Alfalfa forage yield, milk yield, and nutritive value under intensive cutting. , 2022, 5, .		3
40	Inconsistent effects of species diversity and N fertilization on soil microbes and carbon storage in perennial bioenergy cropping systems. Renewable Agriculture and Food Systems, 0, , 1-11.	1.8	2
41	Forage Characteristics and Grazing Preference of Cover Crops in Equine Pasture Systems. Journal of Equine Veterinary Science, 2021, 103, 103663.	0.9	2
42	Rotating alfalfa with dry bean as an alternative to corn-soybean rotations in organic systems in the Upper Midwest. Renewable Agriculture and Food Systems, 2019, 34, 41-49.	1.8	0