

Kenneth P Vogel

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.

81
papers

4,598
citations

32
h-index

67
g-index

81
ext. papers

4,981
ext. citations

3.2
avg, IF

5.37
L-index

#	Paper	IF	Citations
81	Comparison of dilute acid and ionic liquid pretreatment of switchgrass: Biomass recalcitrance, delignification and enzymatic saccharification. <i>Bioresource Technology</i> , 2010 , 101, 4900-6	11	826
80	Chemical composition and response to dilute-acid pretreatment and enzymatic saccharification of alfalfa, reed canarygrass, and switchgrass. <i>Biomass and Bioenergy</i> , 2006 , 30, 880-891	5.3	376
79	Visualization of biomass solubilization and cellulose regeneration during ionic liquid pretreatment of switchgrass. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 68-75	4.9	327
78	Switchgrass Biomass Production in the Midwest USA. <i>Agronomy Journal</i> , 2002 , 94, 413-420	2.2	318
77	Evaluation of a Filter Bag System for NDF, ADF, and IVDMD Forage Analysis. <i>Crop Science</i> , 1999 , 39, 276-279	2.7	287
76	Frequency Grid: A Simple Tool for Measuring Grassland Establishment. <i>Journal of Range Management</i> , 2001 , 54, 653		143
75	Genetic Modification of Herbaceous Plants for Feed and Fuel. <i>Critical Reviews in Plant Sciences</i> , 2001 , 20, 15-49	5.6	137
74	Managing and enhancing switchgrass as a bioenergy feedstock. <i>Biofuels, Bioproducts and Biorefining</i> , 2008 , 2, 530-539	5.3	117
73	Opportunities and roadblocks in utilizing forages and small grains for liquid fuels. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008 , 35, 343-354	4.2	116
72	Soil Carbon Sequestration by Switchgrass and No-Till Maize Grown for Bioenergy. <i>Bioenergy Research</i> , 2012 , 5, 866-875	3.1	110
71	Quantifying Actual and Theoretical Ethanol Yields for Switchgrass Strains Using NIRS Analyses. <i>Bioenergy Research</i> , 2011 , 4, 96-110	3.1	106
70	Lignification of switchgrass (<i>Panicum virgatum</i>) and big bluestem (<i>Andropogon gerardii</i>) plant parts during maturation and its effect on fibre degradability. <i>Journal of the Science of Food and Agriculture</i> , 1992 , 59, 169-176	4.3	101
69	Heterosis in Switchgrass: Biomass Yield in Swards. <i>Crop Science</i> , 2008 , 48, 2159-2164	2.4	96
68	Genetic Diversity, Plant Adaptation Regions, and Gene Pools for Switchgrass. <i>Crop Science</i> , 2007 , 47, 2261-2273	2.4	78
67	Plant species composition and biofuel yields of conservation grasslands 2009 , 19, 2202-9		77
66	The feasibility of switchgrass for biofuel production. <i>Biofuels</i> , 2012 , 3, 47-59	2	68
65	Heterosis in Switchgrass: Spaced Plants. <i>Crop Science</i> , 2008 , 48, 1312-1320	2.4	65

64	Internode structure and cell wall composition in maturing tillers of switchgrass (<i>Panicum virgatum</i> L). <i>Bioresource Technology</i> , 2007 , 98, 2985-92	11	55
63	Selection for Biomass Yield in Upland, Lowland, and Hybrid Switchgrass. <i>Crop Science</i> , 2014 , 54, 626-636	2.4	54
62	Seeding Rates for Establishing Big Bluestem and Switchgrass with Preemergence Atrazine Applications ¹ . <i>Agronomy Journal</i> , 1987 , 79, 509-512	2.2	54
61	Nitrogen and harvest effects on soil properties under rainfed switchgrass and no-till corn over 9 years: implications for soil quality. <i>GCB Bioenergy</i> , 2015 , 7, 288-301	5.6	50
60	Nuclear DNA Content of Perennial Grasses of the Triticeae. <i>Crop Science</i> , 1999 , 39, 661-667	2.4	48
59	Analysis of expressed sequence tags and the identification of associated short tandem repeats in switchgrass. <i>Theoretical and Applied Genetics</i> , 2005 , 111, 956-64	6	46
58	Energy potential and greenhouse gas emissions from bioenergy cropping systems on marginally productive cropland. <i>PLoS ONE</i> , 2014 , 9, e89501	3.7	45
57	Twelve Years of Stover Removal Increases Soil Erosion Potential without Impacting Yield. <i>Soil Science Society of America Journal</i> , 2015 , 79, 1169-1178	2.5	44
56	Ethanol yields and cell wall properties in divergently bred switchgrass genotypes. <i>Bioresource Technology</i> , 2011 , 102, 9579-85	11	43
55	Canopy Architecture and Morphology of Switchgrass Populations Differing in Forage Yield. <i>Agronomy Journal</i> , 1997 , 89, 262-269	2.2	41
54	Predicted and Realized Gains from Selection for In Vitro Dry Matter Digestibility and Forage Yield in Switchgrass. <i>Crop Science</i> , 1993 , 33, 253	2.4	41
53	Evaluation of Switchgrass Rhizosphere Microflora for Enhancing Seedling Yield and Nutrient Uptake. <i>Agronomy Journal</i> , 1998 , 90, 753-758	2.2	39
52	No-Till Corn after Bromegrass: Effect on Soil Carbon and Soil Aggregates. <i>Agronomy Journal</i> , 2009 , 101, 261-268	2.2	36
51	Herbicides for Establishing Switchgrass in the Central and Northern Great Plains. <i>Bioenergy Research</i> , 2010 , 3, 321-327	3.1	33
50	DNA Content and Ploidy Determination of Bromegrass Germplasm Accessions by Flow Cytometry. <i>Crop Science</i> , 2001 , 41, 1629-1634	2.4	32
49	Stand Establishment and Persistence of Perennial Cool-Season Grasses in the Intermountain West and the Central and Northern Great Plains. <i>Rangeland Ecology and Management</i> , 2013 , 66, 181-190	2.2	29
48	Switchgrass. <i>Agronomy</i> , 2016 , 561-588	0.8	29
47	N fertilizer and harvest impacts on bioenergy crop contributions to SOC. <i>GCB Bioenergy</i> , 2016 , 8, 1201-1211	3.1	29

46	Switchgrass Germplasm Resources. <i>Crop Science</i> , 2015 , 55, 2463-2478	2.4	27
45	Cell-wall composition and accessibility to hydrolytic enzymes is differentially altered in divergently bred switchgrass (<i>Panicum virgatum</i> L.) genotypes. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 150, 1-14	3.2	27
44	Accuracy of Genomic Prediction in Switchgrass (<i>Panicum virgatum</i> L.) Improved by Accounting for Linkage Disequilibrium. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 1049-62	3.2	24
43	Conversion of switchgrass to ethanol using dilute ammonium hydroxide pretreatment: influence of ecotype and harvest maturity. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 1837-48	2.6	23
42	Morphological Characteristics of Big Bluestem and Switchgrass Plants Divergently Selected for Seedling Tiller Number. <i>Crop Science</i> , 2004 , 44, 607-613	2.4	22
41	Effects of Forage Quality and Cell Wall Constituents of Bermuda Grass on Biochemical Conversion to Ethanol. <i>Bioenergy Research</i> , 2010 , 3, 225-237	3.1	19
40	Influence of Improvement Practices on Big Bluestem and Indiangrass Seed Production in Tallgrass Prairies. <i>Journal of Range Management</i> , 1993 , 46, 183		19
39	Multi-Year Pathogen Survey of Biofuel Switchgrass Breeding Plots Reveals High Prevalence of Infections by <i>Panicum mosaic virus</i> and Its Satellite Virus. <i>Phytopathology</i> , 2015 , 105, 1146-54	3.8	17
38	Contrasting metabolism in perenniating structures of upland and lowland switchgrass plants late in the growing season. <i>PLoS ONE</i> , 2014 , 9, e105138	3.7	17
37	Next-Generation Sequencing of Crown and Rhizome Transcriptome from an Upland, Tetraploid Switchgrass. <i>Bioenergy Research</i> , 2012 , 5, 649-661	3.1	16
36	Divergent Selection for Seedling Tiller Number in Big Bluestem and Switchgrass. <i>Crop Science</i> , 2003 , 43, 1427-1433	2.4	16
35	Midwest vision for sustainable fuel production. <i>Biofuels</i> , 2014 , 5, 687-702	2	15
34	Identifying Winter Forage Triticale (<i>Triticosecale</i> Wittmack) Strains for the Central Great Plains. <i>Crop Science</i> , 2008 , 48, 2040-2048	2.4	15
33	Adaptation of Perennial Triticeae to the Eastern Central Great Plains. <i>Journal of Range Management</i> , 2001 , 54, 674		15
32	Metabolism as a Basis for Differential Atrazine Tolerance in Warm-Season Forage Grasses. <i>Weed Science</i> , 1988 , 36, 436-440	2	15
31	Evaluation of Four Intermediate Wheatgrass Populations under Grazing. <i>Agronomy Journal</i> , 1995 , 87, 744-747	2.2	14
30	Insect resistance of a full sib family of tetraploid switchgrass <i>Panicum virgatum</i> L. with varying lignin levels. <i>Genetic Resources and Crop Evolution</i> , 2013 , 60, 975-984	2	13
29	Karyotype and C-Banding Patterns of Mitotic Chromosomes in Diploid Bromegrass (<i>Bromus riparius</i> Rehm). <i>Crop Science</i> , 2001 , 41, 831-834	2.4	13

28	Characterization of Testing Locations for Developing Cool-Season Grass Species. <i>Crop Science</i> , 2007 , 47, 1004-1012	2.4	12
27	Genotype and Genotype x Environment Interaction Effects on Forage Yield and Quality of Intermediate Wheatgrass in Swards. <i>Crop Science</i> , 1993 , 33, 37-41	2.4	12
26	Establishment and Seedling Growth of Big Bluestem and Switchgrass Populations Divergently Selected for Seedling Tiller Number. <i>Crop Science</i> , 2003 , 43, 1434-1440	2.4	12
25	Improving Warm-Season Forage Grasses Using Selection, Breeding, and Biotechnology. <i>CSSA Special Publication - Crop Science Society of America</i> , 2015 , 83-106		11
24	Management controls the net greenhouse gas outcomes of growing bioenergy feedstocks on marginally productive croplands. <i>Science Advances</i> , 2019 , 5, eaav9318	14.3	11
23	Chapter 17: Switchgrass. <i>RSC Energy and Environment Series</i> , 2010 , 341-380	0.6	10
22	C-Banding Analyses of Bromus inermis Genomes. <i>Crop Science</i> , 2004 , 44, 31-37	2.4	9
21	Forage Yield and Quality of Tall Wheatgrass Accessions in the USDA Germplasm Collection. <i>Crop Science</i> , 1998 , 38, 509-512	2.4	9
20	Controlled Hybridization Technique for Switchgrass. <i>Crop Science</i> , 1998 , 38, 876-878	2.4	9
19	Efficient Methods of Estimating Switchgrass Biomass Supplies. <i>Bioenergy Research</i> , 2010 , 3, 243-250	3.1	8
18	Cytogenetic and Nuclear DNA Content Characterization of Diploid Bromus erectus and Bromus variegatus. <i>Crop Science</i> , 2006 , 46, 637-641	2.4	8
17	Fiber Digestion Dynamics of Sward Components within Switchgrass Populations. <i>Crop Science</i> , 1999 , 39, 784-789	2.4	8
16	C-Banding Analyses of Bromus inermis Genomes. <i>Crop Science</i> , 2004 , 44, 31	2.4	8
15	Revegetation Priorities. <i>Rangelands</i> , 2006 , 28, 24-30	1.1	7
14	Genome size and Giemsa C-banded karyotype of tetraploid Bromus ciliatus L.. <i>Euphytica</i> , 2005 , 146, 177-182		7
13	History of Grass Breeding for Grazing Lands in the Northern Great Plains of the USA and Canada. <i>Rangelands</i> , 2019 , 41, 1-16	1.1	5
12	Sand Bluestem and Prairie Sandreed Establishment. <i>Journal of Range Management</i> , 1990 , 43, 540		5
11	A Simple Method of Converting Rangeland Drills to Experimental Plot Seeders. <i>Journal of Range Management</i> , 1978 , 31, 235		5

10	Breeding and Genetics. <i>Agronomy</i> , 2016 , 51-94	0.8	5
9	Switchgrass Biomass Composition Traits and their Effects on its Digestion by Ruminants and Bioconversion to Ethanol. <i>Crop Science</i> , 2017 , 57, 275-281	2.4	3
8	Indiangrass. <i>Agronomy</i> , 2016 , 937-953	0.8	3
7	Mineral Element Analyses of Switchgrass Biomass: Comparison of the Accuracy and Precision of Laboratories. <i>Agronomy Journal</i> , 2017 , 109, 735-738	2.2	2
6	Evaluation of Three Breeding Cycles for Seedling Weight of Switchgrass, Big Bluestem, and Indiangrass. <i>Crop Science</i> , 2014 , 54, 1354-1360	2.4	2
5	Selection Signatures in Four Lignin Genes from Switchgrass Populations Divergently Selected for In Vitro Dry Matter Digestibility. <i>PLoS ONE</i> , 2016 , 11, e0167005	3.7	2
4	Predicting the field establishment of perennial grass feedstocks: progress made and challenges ahead. <i>Biofuels</i> , 2012 , 3, 653-656	2	1
3	Registration of NE Trailblazer C-1, NE Trailblazer C0, NE Trailblazer C2, NE Trailblazer C3, NE Trailblazer C4, and NE Trailblazer C5 Switchgrass Germplasms. <i>Journal of Plant Registrations</i> , 2016 , 10, 159-165	0.7	1
2	Adaptation and forage productivity of cool-season grasses in the central USA 2021 , 4, e20172		0
1	Big Bluestem and Indiangrass from Remnant Prairies: Plant Biomass and Adaptation. <i>Crop Science</i> , 2018 , 58, 728-738	2.4	