Kenneth P Vogel

List of Publications by Year in Descending Order

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	Adaptation and forage productivity of cool-season grasses in the central USA **2021**, 4, e20172		0
80	History of Grass Breeding for Grazing Lands in the Northern Great Plains of the USA and Canada. *Rangelands*, **2019**, 41, 1-16	1.1	5
79	Management controls the net greenhouse gas outcomes of growing bioenergy feedstocks on marginally productive croplands. *Science Advances*, **2019**, 5, eaav9318	14.3	11
78	Big Bluestem and Indiangrass from Remnant Prairies: Plant Biomass and Adaptation. *Crop Science*, **2018**, 58, 728-738	2.4	
77	Switchgrass Biomass Composition Traits and their Effects on its Digestion by Ruminants and Bioconversion to Ethanol. *Crop Science*, **2017**, 57, 275-281	2.4	3
76	Mineral Element Analyses of Switchgrass Biomass: Comparison of the Accuracy and Precision of Laboratories. *Agronomy Journal*, **2017**, 109, 735-738	2.2	2
75	Accuracy of Genomic Prediction in Switchgrass (Panicum virgatum L.) Improved by Accounting for Linkage Disequilibrium. *G3: Genes, Genomes, Genetics*, **2016**, 6, 1049-62	3.2	24
74	Registration of NE Trailblazer C-1, NE Trailblazer C0, NE Trailblazer C2, NE Trailblazer C3, NE Trailblazer C4, and NE Trailblazer C5 Switchgrass Germplasms. *Journal of Plant Registrations*, **2016**, 10, 159-165	0.7	1
73	Breeding and Genetics. *Agronomy*, **2016**, 51-94	0.8	5
72	Switchgrass. *Agronomy*, **2016**, 561-588	0.8	29
71	Indiangrass. *Agronomy*, **2016**, 937-953	0.8	3
70	Selection Signatures in Four Lignin Genes from Switchgrass Populations Divergently Selected for In Vitro Dry Matter Digestibility. *PLoS ONE*, **2016**, 11, e0167005	3.7	2
69	N fertilizer and harvest impacts on bioenergy crop contributions to SOC. *GCB Bioenergy*, **2016**, 8, 1201-1211	5.6	29
68	Nitrogen and harvest effects on soil properties under rainfed switchgrass and no-till corn over 9 years: implications for soil quality. *GCB Bioenergy*, **2015**, 7, 288-301	5.6	50
67	Multi-Year Pathogen Survey of Biofuel Switchgrass Breeding Plots Reveals High Prevalence of Infections by Panicum mosaic virus and Its Satellite Virus. *Phytopathology*, **2015**, 105, 1146-54	3.8	17
66	Twelve Years of Stover Removal Increases Soil Erosion Potential without Impacting Yield. *Soil Science Society of America Journal*, **2015**, 79, 1169-1178	2.5	44
65	Switchgrass Germplasm Resources. *Crop Science*, **2015**, 55, 2463-2478	2.4	27

64	Improving Warm-Season Forage Grasses Using Selection, Breeding, and Biotechnology. *CSSA Special Publication - Crop Science Society of America*, **2015**, 83-106		11
63	Evaluation of Three Breeding Cycles for Seedling Weight of Switchgrass, Big Bluestem, and Indiangrass. *Crop Science*, **2014**, 54, 1354-1360	2.4	2
62	Selection for Biomass Yield in Upland, Lowland, and Hybrid Switchgrass. *Crop Science*, **2014**, 54, 626-636	2.4	54
61	Midwest vision for sustainable fuel production. *Biofuels*, **2014**, 5, 687-702	2	15
60	Energy potential and greenhouse gas emissions from bioenergy cropping systems on marginally productive cropland. *PLoS ONE*, **2014**, 9, e89501	3.7	45
59	Contrasting metabolism in perenniating structures of upland and lowland switchgrass plants late in the growing season. *PLoS ONE*, **2014**, 9, e105138	3.7	17
58	Stand Establishment and Persistence of Perennial Cool-Season Grasses in the Intermountain West and the Central and Northern Great Plains. *Rangeland Ecology and Management*, **2013**, 66, 181-190	2.2	29
57	Insect resistance of a full sib family of tetraploid switchgrass Panicum virgatum L. with varying lignin levels. *Genetic Resources and Crop Evolution*, **2013**, 60, 975-984	2	13
56	Conversion of switchgrass to ethanol using dilute ammonium hydroxide pretreatment: influence of ecotype and harvest maturity. *Environmental Technology (United Kingdom)*, **2013**, 34, 1837-48	2.6	23
55	Predicting the field establishment of perennial grass feedstocks: progress made and challenges ahead. *Biofuels*, **2012**, 3, 653-656	2	1
54	Next-Generation Sequencing of Crown and Rhizome Transcriptome from an Upland, Tetraploid Switchgrass. *Bioenergy Research*, **2012**, 5, 649-661	3.1	16
53	Soil Carbon Sequestration by Switchgrass and No-Till Maize Grown for Bioenergy. *Bioenergy Research*, **2012**, 5, 866-875	3.1	110
52	The feasibility of switchgrass for biofuel production. *Biofuels*, **2012**, 3, 47-59	2	68
51	Ethanol yields and cell wall properties in divergently bred switchgrass genotypes. *Bioresource Technology*, **2011**, 102, 9579-85	11	43
50	Quantifying Actual and Theoretical Ethanol Yields for Switchgrass Strains Using NIRS Analyses. *Bioenergy Research*, **2011**, 4, 96-110	3.1	106
49	Chapter 17:Switchgrass. *RSC Energy and Environment Series*, **2010**, 341-380	0.6	10
48	Effects of Forage Quality and Cell Wall Constituents of Bermuda Grass on Biochemical Conversion to Ethanol. *Bioenergy Research*, **2010**, 3, 225-237	3.1	19
47	Efficient Methods of Estimating Switchgrass Biomass Supplies. *Bioenergy Research*, **2010**, 3, 243-250	3.1	8

46	Herbicides for Establishing Switchgrass in the Central and Northern Great Plains. *Bioenergy Research*, **2010**, 3, 321-327	3.1	33
45	Comparison of dilute acid and ionic liquid pretreatment of switchgrass: Biomass recalcitrance, delignification and enzymatic saccharification. *Bioresource Technology*, **2010**, 101, 4900-6	11	826
44	Visualization of biomass solubilization and cellulose regeneration during ionic liquid pretreatment of switchgrass. *Biotechnology and Bioengineering*, **2009**, 104, 68-75	4.9	327
43	Plant species composition and biofuel yields of conservation grasslands **2009**, 19, 2202-9		77
42	No-Till Corn after Bromegrass: Effect on Soil Carbon and Soil Aggregates. *Agronomy Journal*, **2009**, 101, 261-268	2.2	36
41	Heterosis in Switchgrass: Spaced Plants. *Crop Science*, **2008**, 48, 1312-1320	2.4	65
40	Identifying Winter Forage Triticale (×Triticosecale Wittmack) Strains for the Central Great Plains. *Crop Science*, **2008**, 48, 2040-2048	2.4	15
39	Heterosis in Switchgrass: Biomass Yield in Swards. *Crop Science*, **2008**, 48, 2159-2164	2.4	96
38	Cell-wall composition and accessibility to hydrolytic enzymes is differentially altered in divergently bred switchgrass (Panicum virgatum L.) genotypes. *Applied Biochemistry and Biotechnology*, **2008**, 150, 1-14	3.2	27
37	Opportunities and roadblocks in utilizing forages and small grains for liquid fuels. *Journal of Industrial Microbiology and Biotechnology*, **2008**, 35, 343-354	4.2	116
36	Managing and enhancing switchgrass as a bioenergy feedstock. *Biofuels, Bioproducts and Biorefining*, **2008**, 2, 530-539	5.3	117
35	Characterization of Testing Locations for Developing Cool-Season Grass Species. *Crop Science*, **2007**, 47, 1004-1012	2.4	12
34	Internode structure and cell wall composition in maturing tillers of switchgrass (Panicum virgatum. L). *Bioresource Technology*, **2007**, 98, 2985-92	11	55
33	Genetic Diversity, Plant Adaptation Regions, and Gene Pools for Switchgrass. *Crop Science*, **2007**, 47, 2261-2273	2.4	78
32	Revegetation Priorities. *Rangelands*, **2006**, 28, 24-30	1.1	7
31	Cytogenetic and Nuclear DNA Content Characterization of Diploid Bromus erectus and Bromus variegatus. *Crop Science*, **2006**, 46, 637-641	2.4	8
30	Chemical composition and response to dilute-acid pretreatment and enzymatic saccharification of alfalfa, reed canarygrass, and switchgrass. *Biomass and Bioenergy*, **2006**, 30, 880-891	5.3	376
29	Analysis of expressed sequence tags and the identification of associated short tandem repeats in switchgrass. *Theoretical and Applied Genetics*, **2005**, 111, 956-64	6	46

28	Genome size and Giemsa C-banded karyotype of tetraploid Bromus ciliatus L.. *Euphytica*, **2005**, 146, 177-182	1.8	7
27	Morphological Characteristics of Big Bluestem and Switchgrass Plants Divergently Selected for Seedling Tiller Number. *Crop Science*, **2004**, 44, 607-613	2.4	22
26	C-Banding Analyses of Bromus inermis Genomes. *Crop Science*, **2004**, 44, 31-37	2.4	9
25	C-Banding Analyses of Bromus inermis Genomes. *Crop Science*, **2004**, 44, 31	2.4	8
24	Divergent Selection for Seedling Tiller Number in Big Bluestem and Switchgrass. *Crop Science*, **2003**, 43, 1427-1433	2.4	16
23	Establishment and Seedling Growth of Big Bluestem and Switchgrass Populations Divergently Selected for Seedling Tiller Number. *Crop Science*, **2003**, 43, 1434-1440	2.4	12
22	Switchgrass Biomass Production in the Midwest USA. *Agronomy Journal*, **2002**, 94, 413-420	2.2	318
21	Genetic Modification of Herbaceous Plants for Feed and Fuel. *Critical Reviews in Plant Sciences*, **2001**, 20, 15-49	5.6	137
20	Frequency Grid: A Simple Tool for Measuring Grassland Establishment. *Journal of Range Management*, **2001**, 54, 653		143
19	Adaptation of Perennial Triticeae to the Eastern Central Great Plains. *Journal of Range Management*, **2001**, 54, 674		15
18	DNA Content and Ploidy Determination of Bromegrass Germplasm Accessions by Flow Cytometry. *Crop Science*, **2001**, 41, 1629-1634	2.4	32
17	Karyotype and C-Banding Patterns of Mitotic Chromosomes in Diploid Bromegrass (Bromus riparius Rehm). *Crop Science*, **2001**, 41, 831-834	2.4	13
16	Nuclear DNA Content of Perennial Grasses of the Triticeae. *Crop Science*, **1999**, 39, 661-667	2.4	48
15	Fiber Digestion Dynamics of Sward Components within Switchgrass Populations. *Crop Science*, **1999**, 39, 784-789	2.4	8
14	Evaluation of a Filter Bag System for NDF, ADF, and IVDMD Forage Analysis. *Crop Science*, **1999**, 39, 276-279	2.4	287
13	Forage Yield and Quality of Tall Wheatgrass Accessions in the USDA Germplasm Collection. *Crop Science*, **1998**, 38, 509-512	2.4	9
12	Evaluation of Switchgrass Rhizosphere Microflora for Enhancing Seedling Yield and Nutrient Uptake. *Agronomy Journal*, **1998**, 90, 753-758	2.2	39
11	Controlled Hybridization Technique for Switchgrass. *Crop Science*, **1998**, 38, 876-878	2.4	9

10	Canopy Architecture and Morphology of Switchgrass Populations Differing in Forage Yield. *Agronomy Journal*, **1997**, 89, 262-269	2.2	41
9	Evaluation of Four Intermediate Wheatgrass Populations under Grazing. *Agronomy Journal*, **1995**, 87, 744-747	2.2	14
8	Influence of Improvement Practices on Big Bluestem and Indiangrass Seed Production in Tallgrass Prairies. *Journal of Range Management*, **1993**, 46, 183		19
7	Genotype and Genotype Environment Interaction Effects on Forage Yield and Quality of intermediate Wheatgrass in Swards. *Crop Science*, **1993**, 33, 37-41	2.4	12
6	Predicted and Realized Gains from Selection for In Vitro Dry Matter Digestibility and Forage Yield in Switchgrass. *Crop Science*, **1993**, 33, 253	2.4	41
5	Lignification of switchgrass (Panicum virgatum) and big bluestem (Andropogon gerardii) plant parts during maturation and its effect on fibre degradability. *Journal of the Science of Food and Agriculture*, **1992**, 59, 169-176	4.3	101
4	Sand Bluestem and Prairie Sandreed Establishment. *Journal of Range Management*, **1990**, 43, 540		5
3	Metabolism as a Basis for Differential Atrazine Tolerance in Warm-Season Forage Grasses. *Weed Science*, **1988**, 36, 436-440	2	15
2	Seeding Rates for Establishing Big Bluestem and Switchgrass with Preemergence Atrazine Applications1. *Agronomy Journal*, **1987**, 79, 509-512	2.2	54
1	A Simple Method of Converting Rangeland Drills to Experimental Plot Seeders. *Journal of Range Management*, **1978**, 31, 235		5