

Michael Kantar

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,074
citations

377584

21
h-index

312153

41
g-index

77
all docs

77
docs citations

77
times ranked

3223
citing authors

#	ARTICLE	IF	CITATIONS
1	Wild relatives of potato may bolster its adaptation to new niches under future climate scenarios. Food and Energy Security, 2022, 11, e360.	2.0	7
2	Interactions between breeding system and ploidy affect niche breadth in Solanum. Royal Society Open Science, 2022, 9, 211862.	1.1	2
3	Local to continental-scale variation in fitness and heritability in common bean. Crop Science, 2022, 62, 767-779.	0.8	7
4	Nitrogen Dynamics and Sweet Potato Production under Indigenous Soil Moisture Conservation Practices in the Leeward Kohala Field System, Hawai'i Island. Soil Systems, 2022, 6, 16.	1.0	1
5	Environment of origin and domestication affect morphological, physiological, and agronomic response to water deficit in chile pepper (<i>Capsicum</i> sp.). PLoS ONE, 2022, 17, e0260684.	1.1	2
6	Coral reef benthic community structure is associated with the spatiotemporal dynamics of submarine groundwater discharge chemistry. Limnology and Oceanography, 2021, 66, 188-200.	1.6	6
7	Crop wild phylorelatives (CWPs): phylogenetic distance, cytogenetic compatibility and breeding system data enable estimation of crop wild relative gene pool classification. Botanical Journal of the Linnean Society, 2021, 195, 1-33.	0.8	23
8	Tapping Diversity From the Wild: From Sampling to Implementation. Frontiers in Plant Science, 2021, 12, 626565.	1.7	23
9	Characterizing the Diversity of Hawai'i Sweet Potatoes (<i>Ipomoea batatas</i> [L.] Lam.). Economic Botany, 2021, 75, 48-62.	0.8	2
10	Digital technology helps remove gender bias in academia. Scientometrics, 2021, 126, 4073-4081.	1.6	11
11	Meta-analysis of yield and nitrous oxide outcomes for nitrogen management in agriculture. Global Change Biology, 2021, 27, 2343-2360.	4.2	79
12	Multi-Species Genomics-Enabled Selection for Improving Agroecosystems Across Space and Time. Frontiers in Plant Science, 2021, 12, 665349.	1.7	8
13	Evaluation of Hawaiian Heritage Sweet Potato (<i>Ipomoea batatas</i> (L.) Lam.) Breeding Lines. Agronomy, 2021, 11, 1545.	1.3	1
14	Utilizing CRISPR-Cas in Tropical Crop Improvement: A Decision Process for Fitting Genome Engineering to Your Species. Frontiers in Genetics, 2021, 12, 786140.	1.1	0
15	Diversity and Value of Extant Hawaiian Sugarcane (<i>Saccharum officinarum</i> [L.] Cultivars. Economic Botany, 2021, 75, 253.	0.8	1
16	Modelled distributions and conservation status of the wild relatives of chile peppers (<i>Capsicum</i> L.). Diversity and Distributions, 2020, 26, 209-225.	1.9	41
17	The effect of acute and chronic food shortage on human population equilibrium in a subsistence setting. Agriculture and Food Security, 2020, 9, .	1.6	7
18	Toward Unifying Global Hotspots of Wild and Domesticated Biodiversity. Plants, 2020, 9, 1128.	1.6	47

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19	The EEB POC Project. <i>Limnology and Oceanography Bulletin</i> , 2020, 29, 97-99.	0.2	5
20	Population Genomics of Speciation and Adaptation in Sunflowers. <i>Population Genomics</i> , 2020, , 1.	0.2	2
21	The hidden land use cost of upscaling cover crops. <i>Communications Biology</i> , 2020, 3, 300.	2.0	15
22	Taro Genome Assembly and Linkage Map Reveal QTLs for Resistance to Taro Leaf Blight. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2763-2775.	0.8	15
23	Strategies and support for Black, Indigenous, and people of colour in ecology and evolutionary biology. <i>Nature Ecology and Evolution</i> , 2020, 4, 1288-1290.	3.4	35
24	Quantitative Trait Loci (QTL) Analysis of Fruit and Agronomic Traits of Tropical Pumpkin (<i>Cucurbita</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	6
25	Genome-wide genotyping of a novel Mexican Chile Pepper collection illuminates the history of landrace differentiation after <i>Capsicum annuum</i> L. domestication. <i>Evolutionary Applications</i> , 2019, 12, 78-92.	1.5	21
26	Science-graphic art partnerships to increase research impact. <i>Communications Biology</i> , 2019, 2, 295.	2.0	24
27	A Target Capture-Based Method to Estimate Ploidy From Herbarium Specimens. <i>Frontiers in Plant Science</i> , 2019, 10, 937.	1.7	53
28	A customized nuclear target enrichment approach for developing a phylogenomic baseline for <i>Dioscorea</i> yams (<i>Dioscoreaceae</i>). <i>Applications in Plant Sciences</i> , 2019, 7, e11254.	0.8	49
29	The many-faced Janus of plant breeding. <i>Plants People Planet</i> , 2019, 1, 306-309.	1.6	2
30	Mora et al. reply. <i>Nature Climate Change</i> , 2019, 9, 658-659.	8.1	3
31	Aeroponic Cloning of <i>Capsicum</i> spp.. <i>Horticulturae</i> , 2019, 5, 30.	1.2	3
32	Conservation and Use of the North American Plant <i>Cornucopia</i> : The Way Forward. , 2019, , 695-710.		0
33	Species for Medicinal and Social Use with an Emphasis on <i>Theobroma cacao</i> L. (Cacao), <i>Nicotiana tabacum</i> L. (Tobacco), <i>Actaea racemosa</i> L. (Black Cohosh), and <i>Humulus lupulus</i> L. (Hops). , 2019, , 645-692.		3
34	Crop Wild Relatives of Root Vegetables in North America. , 2019, , 243-279.		0
35	Shifts in the abiotic and biotic environment of cultivated sunflower under future climate change. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2019, 26, 9.	0.6	11
36	Domestication in Real Time: The Curious Case of a Trigenomic Sunflower Population. <i>Agronomy</i> , 2019, 9, 704.	1.3	1

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37	Skim-Sequencing Reveals the Likely Origin of the Enigmatic Endangered Sunflower <i>Helianthus schweinitzii</i> . <i>Genes</i> , 2019, 10, 1040.	1.0	3
38	The home field advantage of modern plant breeding. <i>PLoS ONE</i> , 2019, 14, e0227079.	1.1	18
39	Take a walk on the wild side. <i>Nature Climate Change</i> , 2019, 9, 731-732.	8.1	2
40	The genomics of domestication special issue editorial. <i>Evolutionary Applications</i> , 2019, 12, 3-5.	1.5	3
41	Genetic Diversity in Taro (<i>Colocasia esculenta</i>). <i>Sustainable Development and Biodiversity</i> , 2019, , 191-215.	1.4	10
42	Phylogenetic Relationships, Breeding Implications, and Cultivation History of Hawaiian Taro (<i>Colocasia Esculenta</i>) Through Genome-Wide SNP Genotyping. <i>Journal of Heredity</i> , 2018, 109, 272-282.	1.0	19
43	I Ke Ā'we Ē'Ā'ina o Ke Kupuna: Hawaiian Ancestral Crops in Perspective. <i>Sustainability</i> , 2018, 10, 4607.	1.6	29
44	Broad threat to humanity from cumulative climate hazards intensified by greenhouse gas emissions. <i>Nature Climate Change</i> , 2018, 8, 1062-1071.	8.1	365
45	Bitcoin emissions alone could push global warming above 2°C. <i>Nature Climate Change</i> , 2018, 8, 931-933.	8.1	249
46	Climate variability impacts on rice production in the Philippines. <i>PLoS ONE</i> , 2018, 13, e0201426.	1.1	61
47	Evolution of invasiveness by genetic accommodation. <i>Nature Ecology and Evolution</i> , 2018, 2, 991-999.	3.4	53
48	Neo-Domestication of an Interspecific Tetraploid <i>Helianthus annuus</i> – <i>Helianthus tuberosus</i> Population That Segregates for Perennial Habit. <i>Genes</i> , 2018, 9, 422.	1.0	10
49	The Genetics and Genomics of Plant Domestication. <i>BioScience</i> , 2017, 67, 971-982.	2.2	83
50	Dissecting the Genetic Basis of Local Adaptation in Soybean. <i>Scientific Reports</i> , 2017, 7, 17195.	1.6	37
51	A Pipeline Strategy for Grain Crop Domestication. <i>Crop Science</i> , 2016, 56, 917-930.	0.8	101
52	MicroRNA Maturation and MicroRNA Target Gene Expression Regulation Are Severely Disrupted in Soybean <i>dicer-like1</i> Double Mutants. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 423-433.	0.8	23
53	Environmental Association Analyses Identify Candidates for Abiotic Stress Tolerance in <i>Glycine soja</i> , the Wild Progenitor of Cultivated Soybeans. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 835-843.	0.8	39
54	Perennial Grain and Oilseed Crops. <i>Annual Review of Plant Biology</i> , 2016, 67, 703-729.	8.6	68

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55	Vitamin Variation in Capsicum Spp. Provides Opportunities to Improve Nutritional Value of Human Diets. PLoS ONE, 2016, 11, e0161464.	1.1	79
56	Field Pennycress Production and Weed Control in a Double Crop System with Soybean in Minnesota. Agronomy Journal, 2015, 107, 532-540.	0.9	64
57	Ecogeography and utility to plant breeding of the crop wild relatives of sunflower (<i>Helianthus</i>) Tj ETQq1 1 0.784314.rgBT /Overlock 10	1.7	57
58	The Reflective Plant Breeding Paradigm: A Robust System of Germplasm Development to Support Strategic Diversification of Agroecosystems. Crop Science, 2014, 54, 1939-1948.	0.8	35
59	Potential Use of Perennial Sunflower to Reduce Blackbird Damage to Sunflower. Proceedings of the Vertebrate Pest Conference, 2014, 26, .	0.1	2
60	Relationship between Planting Date, Growing Degree Days and the Winter Rye (<i>Secale cereale</i> L.) Variety "Rymin" in Minnesota. Crop Management, 2014, 13, CM-2013-0096-RS.	0.3	7
61	A Roadmap for Functional Structural Variants in the Soybean Genome. G3: Genes, Genomes, Genetics, 2014, 4, 1307-1318.	0.8	42
62	Evaluating an interspecific <i>Helianthus annuus</i> – <i>Helianthus tuberosus</i> population for use in a perennial sunflower breeding program. Field Crops Research, 2014, 155, 254-264.	2.3	21
63	Genomic variation in <i>Helianthus</i> : learning from the past and looking to the future. Briefings in Functional Genomics, 2014, 13, 328-340.	1.3	10
64	Co-expression of soybean Dicer-like genes in response to stress and development. Functional and Integrative Genomics, 2012, 12, 671-682.	1.4	19
65	Breaking Tuber Dormancy in <i>Helianthus tuberosus</i> L. and Interspecific Hybrids of <i>Helianthus annuus</i> L. – <i>Helianthus tuberosus</i> . Hortscience: A Publication of the American Society for Horticultural Science, 2012, 47, 1342-1346.	0.5	6
66	Growth Stage Influences Forage Yield and Quality of Winter Rye. Forage and Grazinglands, 2011, 9, 1-7.	0.2	11
67	Growth Stage at Harvest of a Winter Rye Cover Crop Influences Soil Moisture and Nitrogen. Crop Management, 2010, 9, 1-12.	0.3	7
68	How Sustainable is the Smart Farm?. , 0, , .		6
69	Design and implementation of a cohort-based undergraduate research experience in the agricultural sciences. Journal of Natural Resources and Life Sciences Education, 0, , .	0.8	0