

Peter A Kulakow

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,145
citations

361045

20
h-index

276539

41
g-index

65
all docs

65
docs citations

65
times ranked

2129
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing wild and cultivated cassava and related species reveals extensive interspecific hybridization and genetic diversity. <i>Nature Biotechnology</i> , 2016, 34, 562-570.	9.4	340
2	High-resolution mapping of resistance to cassava mosaic geminiviruses in cassava using genotyping-by-sequencing and its implications for breeding. <i>Virus Research</i> , 2014, 186, 87-96.	1.1	143
3	Genome-Wide Association and Prediction Reveals Genetic Architecture of Cassava Mosaic Disease Resistance and Prospects for Rapid Genetic Improvement. <i>Plant Genome</i> , 2016, 9, plantgenome2015.11.0118.	1.6	120
4	Relatedness and Genotype × Environment Interaction Affect Prediction Accuracies in Genomic Selection: A Study in Cassava. <i>Crop Science</i> , 2013, 53, 1312-1325.	0.8	102
5	Prospects for Genomic Selection in Cassava Breeding. <i>Plant Genome</i> , 2017, 10, plantgenome2017.03.0015.	1.6	101
6	Interspecific hybridization and gene flow of ALS resistance in <i>Amaranthus</i> species. <i>Weed Science</i> , 2001, 49, 598-606.	0.8	95
7	Cassava Trait Preferences of Men and Women Farmers in Nigeria: Implications for Breeding. <i>Economic Botany</i> , 2018, 72, 263-277.	0.8	85
8	Tracking crop varieties using genotyping-by-sequencing markers: a case study using cassava (<i>Manihot</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	83
9	A global alliance declaring war on cassava viruses in Africa. <i>Food Security</i> , 2014, 6, 231-248.	2.4	81
10	Transferal of herbicide resistance traits from <i>Amaranthus palmeri</i> to <i>Amaranthus rudis</i> . <i>Weed Science</i> , 1999, 47, 538-543.	0.8	72
11	Genome-Wide Association Mapping of Correlated Traits in Cassava: Dry Matter and Total Carotenoid Content. <i>Plant Genome</i> , 2017, 10, plantgenome2016.09.0094.	1.6	63
12	Cassava Breeding: Current Status, Bottlenecks and the Potential of Biotechnology Tools. <i>Tropical Plant Biology</i> , 2012, 5, 73-87.	1.0	60
13	Screening Plant Species for Growth on Weathered, Petroleum Hydrocarbon-Contaminated Sediments. <i>International Journal of Phytoremediation</i> , 2000, 2, 297-317.	1.7	55
14	Accuracies of univariate and multivariate genomic prediction models in African cassava. <i>Genetics Selection Evolution</i> , 2017, 49, 88.	1.2	54
15	Genetic Mapping Using Genotyping-by-sequencing in the Clonally Propagated Cassava. <i>Crop Science</i> , 2014, 54, 1384-1396.	0.8	50
16	Potential for Plant-Based Remediation of Pesticide-Contaminated Soil and Water using Nontarget Plants such as Trees, Shrubs, and Grasses. <i>Critical Reviews in Plant Sciences</i> , 2004, 23, 91-101.	2.7	47
17	A global overview of cassava genetic diversity. <i>PLoS ONE</i> , 2019, 14, e0224763.	1.1	39
18	Marker-Based Estimates Reveal Significant Nonadditive Effects in Clonally Propagated Cassava (<i>Manihot esculenta</i>): Implications for the Prediction of Total Genetic Value and the Selection of Varieties. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3497-3506.	0.8	34

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19	Genome-wide association analysis reveals new insights into the genetic architecture of defensive, agro-morphological and quality-related traits in cassava. <i>Plant Molecular Biology</i> , 2022, 109, 195-213.	2.0	33
20	Understanding cassava varietal preferences through pairwise ranking of <i>gari</i> and <i>fufu</i> prepared by local farmer processors. <i>International Journal of Food Science and Technology</i> , 2021, 56, 1258-1277.	1.3	31
21	Technological Innovations for Improving Cassava Production in Sub-Saharan Africa. <i>Frontiers in Genetics</i> , 2020, 11, 623736.	1.1	30
22	Historical Introgressions from a Wild Relative of Modern Cassava Improved Important Traits and May Be Under Balancing Selection. <i>Genetics</i> , 2019, 213, 1237-1253.	1.2	27
23	Training Population Optimization for Prediction of Cassava Brown Streak Disease Resistance in West African Clones. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3903-3913.	0.8	23
24	Improving Genomic Prediction in Cassava Field Experiments Using Spatial Analysis. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 53-62.	0.8	20
25	Gender-based constraints affecting biofortified cassava production, processing and marketing among men and women adopters in Oyo and Benue States, Nigeria. <i>Physiological and Molecular Plant Pathology</i> , 2019, 105, 17-27.	1.3	19
26	solGS: a web-based tool for genomic selection. <i>BMC Bioinformatics</i> , 2014, 15, 398.	1.2	18
27	Breedbase: a digital ecosystem for modern plant breeding. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	17
28	New cassava germplasm for food and nutritional security in Central Africa. <i>Scientific Reports</i> , 2021, 11, 7394.	1.6	16
29	Candidate gene sequencing and validation of SNP markers linked to carotenoid content in cassava (<i>Manihot esculenta</i> Crantz). <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	15
30	Improving root characterisation for genomic prediction in cassava. <i>Scientific Reports</i> , 2020, 10, 8003.	1.6	15
31	Genotype × Environment Interaction of Mosaic Disease, Root Yields and Total Carotene Concentration of Yellow-Fleshed Cassava in Nigeria. <i>International Journal of Agronomy</i> , 2012, 2012, 1-8.	0.5	14
32	Genetic characterization of cassava (<i>Manihot esculenta</i> Crantz) genotypes using agro-morphological and single nucleotide polymorphism markers. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 317-330.	1.4	14
33	Building Demand-Led and Gender-Responsive Breeding Programs. , 2022, , 483-509.		14
34	Exploring genotype by environment interaction on cassava yield and yield related traits using classical statistical methods. <i>PLoS ONE</i> , 2022, 17, e0268189.	1.1	14
35	Technical innovations for small-scale producers and households to process wet cassava peels into high quality animal feed ingredients and aflatoxin-free substrate. <i>Food Chain</i> , 2015, 5, 71-90.	0.4	13
36	Genomic mating in outbred species: predicting cross usefulness with additive and total genetic covariance matrices. <i>Genetics</i> , 2021, 219, .	1.2	13

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37	Beyond "Women's Traits": Exploring How Gender, Social Difference, and Household Characteristics Influence Trait Preferences. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	13
38	Flower Development in Cassava Is Feminized by Cytokinin, While Proliferation Is Stimulated by Anti-Ethylene and Pruning: Transcriptome Responses. <i>Frontiers in Plant Science</i> , 2021, 12, 666266.	1.7	12
39	Title is missing!. , 1999, 110, 7-20.		11
40	Information Resources for Cassava Research and Breeding. <i>Tropical Plant Biology</i> , 2012, 5, 140-151.	1.0	10
41	Regional Heritability Mapping Provides Insights into Dry Matter Content in African White and Yellow Cassava Populations. <i>Plant Genome</i> , 2018, 11, 170050.	1.6	10
42	Identification of additional /novel QTL associated with resistance to cassava green mite in a biparental mapping population. <i>PLoS ONE</i> , 2020, 15, e0231008.	1.1	10
43	Conversion and Validation of Uniplex SNP Markers for Selection of Resistance to Cassava Mosaic Disease in Cassava Breeding Programs. <i>Agronomy</i> , 2021, 11, 420.	1.3	10
44	Incidence and severity of viral disease symptoms on eastern gamagrass within monoculture and polycultures. <i>Agriculture, Ecosystems and Environment</i> , 1996, 59, 139-147.	2.5	9
45	Plant System Technologies for Environmental Management of Metals in Soils: Educational Materials. <i>Journal of Natural Resources and Life Sciences Education</i> , 2002, 31, 31-37.	0.3	9
46	Effectiveness of genomic selection for improving provitamin A carotenoid content and associated traits in cassava. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	9
47	Identifying New Resistance to Cassava Mosaic Disease and Validating Markers for the CMD2 Locus. <i>Agriculture (Switzerland)</i> , 2021, 11, 829.	1.4	8
48	Genetic Variation of Postharvest Physiological Deterioration Susceptibility in a Cassava Germplasm. <i>Crop Science</i> , 2015, 55, 2701-2711.	0.8	7
49	Prediction of Root Biomass in Cassava Based on Ground Penetrating Radar Phenomics. <i>Remote Sensing</i> , 2021, 13, 4908.	1.8	7
50	From traits to typologies: Piloting new approaches to profiling trait preferences along the cassava value chain in Nigeria. <i>Crop Science</i> , 2022, 62, 259-274.	0.8	6
51	Improving Genomic Prediction in Cassava Field Experiments by Accounting for Interplot Competition. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 933-944.	0.8	4
52	Combining Ability and Genetic Components of Yield Characteristics, Dry Matter Content, and Total Carotenoids in Provitamin A Cassava F1 Cross-Progeny. <i>Agronomy</i> , 2020, 10, 1850.	1.3	4
53	Portable Spectroscopy Calibration with Inexpensive and Simple Sampling Reference Alternatives for Dry Matter and Total Carotenoid Contents in Cassava Roots. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1714.	1.3	4
54	Turning Waste to Wealth: Harnessing the Potential of Cassava Peels for Nutritious Animal Feed. , 2022, , 173-206.		3

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55	Popular Biofortified Cassava Cultivars Are Heavily Impacted by Plant Parasitic Nematodes, Especially <i>Meloidogyne</i> Spp.. <i>Plants</i> , 2020, 9, 802.	1.6	2
56	Genetic Analysis of Yield and Quality Characteristics in Provitamin A Hybrid Cassava Families in Ghana. <i>Agronomy</i> , 2021, 11, 1911.	1.3	0