Allan K Fritz

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8414000/publications.pdf

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55	2,963	257101	182168
papers	citations	24 h-index	51 g-index

58	58	58	3671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. Science, 2017, 357, 93-97.	6.0	781
2	Exome sequencing highlights the role of wild-relative introgression in shaping the adaptive landscape of the wheat genome. Nature Genetics, 2019, 51, 896-904.	9.4	225
3	Effects of drought and high temperature stress on synthetic hexaploid wheat. Functional Plant Biology, 2012, 39, 190.	1.1	214
4	Modeling and mapping QTL for senescence-related traits in winter wheat under high temperature. Molecular Breeding, 2010, 26, 163-175.	1.0	177
5	Genomic Selection for Processing and Endâ€Use Quality Traits in the CIMMYT Spring Bread Wheat Breeding Program. Plant Genome, 2016, 9, plantgenome2016.01.0005.	1.6	161
6	Chromosome-scale genome assembly provides insights into rye biology, evolution and agronomic potential. Nature Genetics, 2021, 53, 564-573.	9.4	138
7	Mapping QTL for the traits associated with heat tolerance in wheat (Triticum aestivumL.). BMC Genetics, 2014, 15, 97.	2.7	133
8	Mapping and Progress toward Mapâ€Based Cloning of Brown Planthopper Biotypeâ€4 Resistance Gene Introgressed from Oryza officinalis into Cultivated Rice, O. sativa. Crop Science, 2002, 42, 2112-2117.	0.8	96
9	Genome-wide association analysis on pre-harvest sprouting resistance and grain color in U.S. winter wheat. BMC Genomics, 2016, 17, 794.	1.2	83
10	Agronomic Practices for Reducing Wheat Yield Gaps: A Quantitative Appraisal of Progressive Producers. Crop Science, 2019, 59, 333-350.	0.8	68
11	Winter Wheat Yield Response to Plant Density as a Function of Yield Environment and Tillering Potential: A Review and Field Studies. Frontiers in Plant Science, 2020, 11, 54.	1.7	65
12	Expression of a rice soluble starch synthase gene in transgenic wheat improves the grain yield under heat stress conditions. In Vitro Cellular and Developmental Biology - Plant, 2018, 54, 216-227.	0.9	50
13	Breeding-assisted genomics: Applying meta-GWAS for milling and baking quality in CIMMYT wheat breeding program. PLoS ONE, 2018, 13, e0204757.	1.1	50
14	The Aegilops ventricosa 2NvS segment in bread wheat: cytology, genomics and breeding. Theoretical and Applied Genetics, 2021, 134, 529-542.	1.8	48
15	â€˜TAM 112â€™ Wheat, Resistant to Greenbug and Wheat Curl Mite and Adapted to the Dryland Production System in the Southern High Plains. Journal of Plant Registrations, 2014, 8, 291-297.	0.4	44
16	Predicting Soybean Relative Maturity and Seed Yield Using Canopy Reflectance. Crop Science, 2016, 56, 625-643.	0.8	44
17	Novel Sources of Wheat Head Blast Resistance in Modern Breeding Lines and Wheat Wild Relatives. Plant Disease, 2020, 104, 35-43.	0.7	43
18	Changes in the Phenotype of Winter Wheat Varieties Released Between 1920 and 2016 in Response to In-Furrow Fertilizer: Biomass Allocation, Yield, and Grain Protein Concentration. Frontiers in Plant Science, 2019, 10, 1786.	1.7	43

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19	Evaluation and Association Mapping of Resistance to Tan Spot and Stagonospora Nodorum Blotch in Adapted Winter Wheat Germplasm. Plant Disease, 2015, 99, 1333-1341.	0.7	42
20	Mapping and Quantitative Trait Loci Analysis of Drought Tolerance in a Spring Wheat Population Using Amplified Fragment Length Polymorphism and Diversity Array Technology Markers. Crop Science, 2012, 52, 253-261.	0.8	33
21	Weather, Disease, and Wheat Breeding Effects on Kansas Wheat Varietal Yields, 1985 to 2011. Agronomy Journal, 2014, 106, 227-235.	0.9	32
22	QTL mapping of pre-harvest sprouting resistance in a white wheat cultivar Danby. Theoretical and Applied Genetics, 2018, 131, 1683-1697.	1.8	32
23	Genomic variants affecting homoeologous gene expression dosage contribute to agronomic trait variation in allopolyploid wheat. Nature Communications, 2022, 13, 826.	5.8	31
24	Response of Aegilops species to drought stress during reproductive stages of development. Functional Plant Biology, 2012, 39, 51.	1.1	30
25	Physiological Basis of Genotypic Response to Management in Dryland Wheat. Frontiers in Plant Science, 2019, 10, 1644.	1.7	29
26	Registration of â€˜Oakley CLâ€™ Wheat. Journal of Plant Registrations, 2015, 9, 190-195.	0.4	19
27	Registration of â€˜Clara CLâ€™ Wheat. Journal of Plant Registrations, 2014, 8, 38-42.	0.4	17
28	Quantitative Trait Loci for Slow-Rusting Resistance to Leaf Rust in Doubled-Haploid Wheat Population CI13227 Ã— Lakin. Phytopathology, 2017, 107, 1372-1380.	1.1	15
29	QTL mapping of Fusarium head blight resistance and deoxynivalenol accumulation in the Kansas wheat variety â€˜Everestâ€™. Molecular Breeding, 2019, 39, 1.	1.0	15
30	Registration of â€˜Joeâ€™ Hard White Winter Wheat. Journal of Plant Registrations, 2016, 10, 283-286.	0.4	15
31	Characterizing Changes in Soybean Spectral Response Curves with Breeding Advancements. Crop Science, 2014, 54, 1585-1597.	0.8	14
32	Genomic Patterns of Introgression in Interspecific Populations Created by Crossing Wheat with Its Wild Relative. G3: Genes, Genomes, Genetics, 2020, 10, 3651-3661.	0.8	13
33	Number of Experiments Needed to Determine Wheat Disease Phenotypes for Four Wheat Diseases. Plant Disease, 2007, 91, 103-108.	0.7	12
34	Wheat Genotypes With Combined Resistance to Wheat Curl Mite,Wheat Streak Mosaic Virus,Wheat Mosaic Virus, andTriticum Mosaic Virus. Journal of Economic Entomology, 2017, 110, tow255.	0.8	12
35	Accelerating wheat breeding for endâ€use quality through association mapping and multivariate genomic prediction. Plant Genome, 2021, 14, e20164.	1.6	12
36	Effect of cytoplasmic diversity on post anthesis heat tolerance in wheat. Euphytica, 2015, 204, 383-394.	0.6	11

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37	Salicylic Acidâ€Mediated Synthetic Elicitors of Systemic Acquired Resistance Administered to Wheat Plants at Jointing Stage Induced Phenolics in Mature Grains. Crop Science, 2017, 57, 3122-3128.	0.8	11
38	Registration of â€˜TAM 401â€™ Wheat. Journal of Plant Registrations, 2012, 6, 60-65.	0.4	10
39	Effects of environment, nitrogen, and sulfur on total phenolic content and phenolic acid composition of winter wheat grain. Cereal Chemistry, 2021, 98, 903-911.	1.1	10
40	Genomeâ€wide association reveals limited benefits of pyramiding the 1B and 1D loci with the 2N^vS translocation for wheat blast control. Crop Science, 2021, 61, 1089-1103.	0.8	9
41	â€˜TAM 304â€™ Wheat, Adapted to the Adequate Rainfall or High-Input Irrigated Production System in the Southern Great Plains. Journal of Plant Registrations, 2015, 9, 331-337.	0.4	8
42	QTL Mapping of Fusarium Head Blight Resistance in Winter Wheat Cultivars â€˜Artâ€™ and â€˜Everestâ€™. Crop Science, 2019, 59, 911-924.	0.8	8
43	Registration of â€˜Tigerâ€™ Wheat. Journal of Plant Registrations, 2013, 7, 201-204.	0.4	7
44	The Haplotype-Based Analysis of Aegilops tauschii Introgression Into Hard Red Winter Wheat and Its Impact on Productivity Traits. Frontiers in Plant Science, 2021, 12, 716955.	1.7	6
45	Historical Durability of Resistance to Wheat Diseases in Kansas. Plant Health Progress, 2011, 12, 25.	0.8	4
46	Tandem Mass Spectrometric Determination of Glycolipids in Wheat Endosperm: A New Tool for Breeders to Rank and Select Early Seed Generations. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1849-1855.	0.8	4
47	Using RNA Sequencing and In Silico Subtraction to Identify Resistance Gene Analog Markers for Lr16 in Wheat. Plant Genome, 2015, 8, eplantgenome2014.08.0040.	1.6	4
48	Birdâ€Cherry Oat Aphid (Rhopalosiphum padi) Feeding Stress Induces Enhanced Levels of Phenolics in Mature Wheat Grains. Crop Science, 2017, 57, 2073-2079.	0.8	3
49	Dicamba resistance in kochia from Kansas and Nebraska evolved independently. Pest Management Science, 2021, 77, 126-130.	1.7	3
50	Effect of Insect Feeding, Pathogen Infection, and Heat Stress on Antioxidant Properties of Wheat Bran. Crop Science, 2017, 57, 2662-2670.	0.8	2
51	Registration of â€˜Tatankaâ€™ Hard Red Winter Wheat. Journal of Plant Registrations, 2018, 12, 74-78.	0.4	2
52	Glyphosate- and Dicamba-Resistant Genes Are Not Linked in Kochia (Bassia scoparia). Weed Science, 2019, 67, 16-21.	0.8	2
53	Registration of â€˜KS Venadaâ€™ hard white winter wheat. Journal of Plant Registrations, 2020, 14, 153-158.	0.4	2
54	Registration of â€˜KS Hamiltonâ€™ hard red winter wheat. Journal of Plant Registrations, 2022, 16, 73-79.	0.4	1

#	Article	IF	Citations
55	Applied phenomics and genomics for improving barley yellow dwarf resistance in winter wheat. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	1