

Amidou N'Diaye

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

4,758
citations

331670

21
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

6203
citing authors

#	ARTICLE	IF	CITATIONS
1	Shifting the limits in wheat research and breeding using a fully annotated reference genome. <i>Science</i> , 2018, 361, .	12.6	2,424
2	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	27.8	513
3	A high-density, SNP-based consensus map of tetraploid wheat as a bridge to integrate durum and bread wheat genomics and breeding. <i>Plant Biotechnology Journal</i> , 2015, 13, 648-663.	8.3	386
4	A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. <i>Nature Genetics</i> , 2013, 45, 690-696.	21.4	232
5	Single Marker and Haplotype-Based Association Analysis of Semolina and Pasta Colour in Elite Durum Wheat Breeding Lines Using a High-Density Consensus Map. <i>PLoS ONE</i> , 2017, 12, e0170941.	2.5	96
6	Identification, Replication, and Fine-Mapping of Loci Associated with Adult Height in Individuals of African Ancestry. <i>PLoS Genetics</i> , 2011, 7, e1002298.	3.5	93
7	Genomic selection for grain yield and quality traits in durum wheat. <i>Molecular Breeding</i> , 2018, 38, 1.	2.1	86
8	Fusarium Head Blight in Durum Wheat: Recent Status, Breeding Directions, and Future Research Prospects. <i>Phytopathology</i> , 2019, 109, 1664-1675.	2.2	77
9	Quantitative Trait Loci Associated with Phenological Development, Low-Temperature Tolerance, Grain Quality, and Agronomic Characters in Wheat (<i>Triticum aestivum</i> L.). <i>PLoS ONE</i> , 2016, 11, e0152185.	2.5	68
10	QTLs associated with agronomic traits in the Attila – CDC Go spring wheat population evaluated under conventional management. <i>PLoS ONE</i> , 2017, 12, e0171528.	2.5	68
11	High density genetic mapping of Fusarium head blight resistance QTL in tetraploid wheat. <i>PLoS ONE</i> , 2018, 13, e0204362.	2.5	43
12	QTLs Associated with Agronomic Traits in the Cutler – AC Barrie Spring Wheat Mapping Population Using Single Nucleotide Polymorphic Markers. <i>PLoS ONE</i> , 2016, 11, e0160623.	2.5	36
13	Copy number variation of <i>TdDof</i> controls solid-stemmed architecture in wheat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28708-28718.	7.1	33
14	Construction of an integrated consensus map of the apple genome based on four mapping populations. <i>Tree Genetics and Genomes</i> , 2008, 4, 727-743.	1.6	32
15	Mapping QTLs Controlling Agronomic Traits in the Attila – CDC Go Spring Wheat Population under Organic Management using 90K SNP Array. <i>Crop Science</i> , 2017, 57, 365-377.	1.8	30
16	Genome-wide association mapping of genomic regions associated with phenotypic traits in Canadian western spring wheat. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	30
17	Haplotype Loci Under Selection in Canadian Durum Wheat Germplasm Over 60 Years of Breeding: Association With Grain Yield, Quality Traits, Protein Loss, and Plant Height. <i>Frontiers in Plant Science</i> , 2018, 9, 1589.	3.6	29
18	Quantitative trait loci for resistance to stripe rust of wheat revealed using global field nurseries and opportunities for stacking resistance genes. <i>Theoretical and Applied Genetics</i> , 2017, 130, 2617-2635.	3.6	27

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19	Evaluation of variant calling tools for large plant genome re-sequencing. BMC Bioinformatics, 2020, 21, 360.	2.6	27
20	Mapping quantitative trait loci associated with leaf rust resistance in five spring wheat populations using single nucleotide polymorphism markers. PLoS ONE, 2020, 15, e0230855.	2.5	25
21	Population Structure and Genomewide Association Analysis of Resistance to Disease and Insensitivity to Ptr Toxins in Canadian Spring Wheat Using 90K SNP Array. Crop Science, 2017, 57, 1522-1539.	1.8	24
22	High density mapping and haplotype analysis of the major stem-solidness locus SSt1 in durum and common wheat. PLoS ONE, 2017, 12, e0175285.	2.5	23
23	Characterization and mapping of leaf rust resistance in four durum wheat cultivars. PLoS ONE, 2018, 13, e0197317.	2.5	23
24	Physical mapping of QTL associated with agronomic and end-use quality traits in spring wheat under conventional and organic management systems. Theoretical and Applied Genetics, 2021, 134, 3699-3719.	3.6	23
25	Mapping of QTLs associated with resistance to common bunt, tan spot, leaf rust, and stripe rust in a spring wheat population. Molecular Breeding, 2017, 37, 1.	2.1	21
26	Mapping of Genetic Loci Conferring Resistance to Leaf Rust From Three Globally Resistant Durum Wheat Sources. Frontiers in Plant Science, 2019, 10, 1247.	3.6	21
27	Genomic prediction of agronomic traits in wheat using different models and cross-validation designs. Theoretical and Applied Genetics, 2021, 134, 381-398.	3.6	21
28	Patterns of sequence polymorphism in the fleshless berry locus in cultivated and wild <i>Vitis vinifera</i> accessions. BMC Plant Biology, 2010, 10, 284.	3.6	19
29	Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. American Journal of Human Genetics, 2021, 108, 564-582.	6.2	18
30	Genetic analysis of resistance to stripe rust in durum wheat (<i>Triticum turgidum</i> L. var. durum). PLoS ONE, 2018, 13, e0203283.	2.5	17
31	Mapping quantitative trait loci associated with common bunt resistance in a spring wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Over	3.6	17
32	Comparisons of sampling methods for assessing intra- and inter-accession genetic diversity in three rice species using genotyping by sequencing. Scientific Reports, 2020, 10, 13995.	3.3	13
33	Machine learning analyses of methylation profiles uncovers tissue-specific gene expression patterns in wheat. Plant Genome, 2020, 13, e20027.	2.8	13
34	Physical Mapping of QTL in Four Spring Wheat Populations under Conventional and Organic Management Systems. I. Earliness. Plants, 2021, 10, 853.	3.5	13
35	Genomic Predictions for Common Bunt, FHB, Stripe Rust, Leaf Rust, and Leaf Spotting Resistance in Spring Wheat. Genes, 2022, 13, 565.	2.4	13
36	Allelic variation and effects of 16 candidate genes on disease resistance in western Canadian spring wheat cultivars. Molecular Breeding, 2017, 37, 1.	2.1	11

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37	Pooled DNA Resequencing of 68 Myocardial Infarction Candidate Genes in French Canadians. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 547-554.	5.1	10
38	Genome-based prediction of agronomic traits in spring wheat under conventional and organic management systems. <i>Theoretical and Applied Genetics</i> , 2021, 135, 537.	3.6	10
39	Genetic diversity and selective sweeps in historical and modern Canadian spring wheat cultivars using the 90K SNP array. <i>Scientific Reports</i> , 2021, 11, 23773.	3.3	10
40	Effect of Co-segregating Markers on High-Density Genetic Maps and Prediction of Map Expansion Using Machine Learning Algorithms. <i>Frontiers in Plant Science</i> , 2017, 8, 1434.	3.6	9
41	Genetic analyses of native Fusarium head blight resistance in two spring wheat populations identifies QTL near the B1, Ppd-D1, Rht-1, Vrn-1, Fhb1, Fhb2, and Fhb5 loci. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2775-2796.	3.6	9
42	A Combination of Leaf Rust Resistance Genes, Including Lr34 and Lr46, Is the Key to the Durable Resistance of the Canadian Wheat Cultivar, Carberry. <i>Frontiers in Plant Science</i> , 2021, 12, 775383.	3.6	9
43	Mapping stem rust resistance loci effective in Kenya in Canadian spring wheat (<i>Triticum aestivum</i> L.) lines "AAC Prevail"™ and "BW961"™. <i>Canadian Journal of Plant Pathology</i> , 0, , 1-12.	1.4	6
44	Main effect and epistatic QTL affecting spike shattering and association with plant height revealed in two spring wheat (<i>Triticum aestivum</i> L.) populations. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1143-1162.	3.6	6
45	Genome-wide association mapping of agronomic traits and grain characteristics in spring wheat under conventional and organic management systems. <i>Crop Science</i> , 0, , .	1.8	5
46	Comparison of single-trait and multi-trait genomic predictions on agronomic and disease resistance traits in spring wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2747-2767.	3.6	4
47	Genomic Prediction Accuracy of Stripe Rust in Six Spring Wheat Populations by Modeling Genotype by Environment Interaction. <i>Plants</i> , 2022, 11, 1736.	3.5	3
48	The effects of crop attributes, selection, and recombination on Canadian bread wheat molecular variation. <i>Plant Genome</i> , 2021, 14, e20099.	2.8	1
49	Evidence of weak genetic differentiation of <i>Striga gesnerioides</i> populations collected in Senegal: possible relationship with traditional cowpea seed management. <i>Theoretical and Applied Genetics</i> , 2009, , 1.	3.6	0