

Curt A McCartney

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,713
citations

393982

19
h-index

315357

38
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44
all docs

44
docs citations

44
times ranked

1838
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple wheat genomes reveal global variation in modern breeding. <i>Nature</i> , 2020, 588, 277-283.	13.7	513
2	A review of wheat leaf rust research and the development of resistant cultivars in Canada. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 1-18.	0.8	107
3	Integrated Metabolo-Transcriptomics Reveals Fusarium Head Blight Candidate Resistance Genes in Wheat QTL-Fhb2. <i>PLoS ONE</i> , 2016, 11, e0155851.	1.1	100
4	A Consensus Map in Cultivated Hexaploid Oat Reveals Conserved Grass Synteny with Substantial Subgenome Rearrangement. <i>Plant Genome</i> , 2016, 9, plantgenome2015.10.0102.	1.6	85
5	Identification of candidate genes, regions and markers for pre-harvest sprouting resistance in wheat (<i>Triticum aestivum</i> L.). <i>BMC Plant Biology</i> , 2014, 14, 340.	1.6	84
6	Identification and characterization of a fusarium head blight resistance gene <i>TaACT2</i> in wheat QTL2 _{DL} . <i>Plant Biotechnology Journal</i> , 2017, 15, 447-457.	4.1	66
7	Relationship between QTL for grain shape, grain weight, test weight, milling yield, and plant height in the spring wheat cross RL4452/AC Domain™. <i>PLoS ONE</i> , 2018, 13, e0190681.	1.1	66
8	Dominant inhibition of awn development by a putative zinc finger transcriptional repressor expressed at the <i>B1</i> locus in wheat. <i>New Phytologist</i> , 2020, 225, 340-355.	3.5	58
9	Highly predictive SNP markers for efficient selection of the wheat leaf rust resistance gene <i>Lr16</i> . <i>BMC Plant Biology</i> , 2017, 17, 45.	1.6	53
10	Fusarium Head Blight Resistance QTL in the Spring Wheat Cross Kenyon/86ISMN 2137. <i>Frontiers in Microbiology</i> , 2016, 7, 1542.	1.5	48
11	Major Gene for Field Stem Rust Resistance Co-Locates with Resistance Gene <i>Sr12</i> in Thatcher™ Wheat. <i>PLoS ONE</i> , 2016, 11, e0157029.	1.1	37
12	Genetic mapping of <i>SrCad</i> and SNP marker development for marker-assisted selection of Ug99 stem rust resistance in wheat. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1373-1382.	1.8	33
13	Virulence of <i>Puccinia coronata</i> f. sp. <i>avenae</i> in the Eastern Prairie Region of Canada during 2007-2009. <i>Canadian Journal of Plant Pathology</i> , 2011, 33, 77-87.	0.8	29
14	A major quantitative trait locus conferring adult plant partial resistance to crown rust in oat. <i>BMC Plant Biology</i> , 2014, 14, 250.	1.6	29
15	Genome-Wide Association Mapping of Crown Rust Resistance in Oat Elite Germplasm. <i>Plant Genome</i> , 2017, 10, plantgenome2016.10.0107.	1.6	29
16	Identification of New Leaf Rust Resistance Loci in Wheat and Wild Relatives by Array-Based SNP Genotyping and Association Genetics. <i>Frontiers in Plant Science</i> , 2020, 11, 583738.	1.7	29
17	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.	1.8	27
18	Evaluation of variant calling tools for large plant genome re-sequencing. <i>BMC Bioinformatics</i> , 2020, 21, 360.	1.2	27

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19	Mapping quantitative trait loci associated with leaf rust resistance in five spring wheat populations using single nucleotide polymorphism markers. <i>PLoS ONE</i> , 2020, 15, e0230855.	1.1	25
20	Genetics and mapping of seedling resistance to Ug99 stem rust in winter wheat cultivar Triumph 64 and differentiation of SrTmp, SrCad, and Sr42. <i>Theoretical and Applied Genetics</i> , 2016, 129, 2171-2177.	1.8	24
21	Genetic analysis and molecular mapping of a seedling crown rust resistance gene in oat. <i>Theoretical and Applied Genetics</i> , 2015, 128, 247-258.	1.8	22
22	Oat. , 2014, , 51-73.		22
23	Mapping of Major Fusarium Head Blight Resistance from Canadian Wheat cv. AAC Tenacious. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4497.	1.8	17
24	Identification and mapping of expressed genes associated with the 2DL QTL for fusarium head blight resistance in the wheat line Wuhan 1. <i>BMC Genetics</i> , 2019, 20, 47.	2.7	16
25	Genetic and transcriptional dissection of resistance to <i>Claviceps purpurea</i> in the durum wheat cultivar Greenshank. <i>Theoretical and Applied Genetics</i> , 2020, 133, 1873-1886.	1.8	16
26	A saturated SNP linkage map for the orange wheat blossom midge resistance gene Sm1. <i>Theoretical and Applied Genetics</i> , 2016, 129, 1507-1517.	1.8	15
27	Mapping Oat Crown Rust Resistance Gene Pc45 Confirms Association with PcKM. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 505-511.	0.8	15
28	Oat Fungal Diseases and the Application of Molecular Marker Technology for Their Control. <i>Fungal Biology</i> , 2014, , 343-358.	0.3	13
29	Mapping of a resistance gene to loose smut (<i>Ustilago tritici</i>) from the Canadian wheat breeding line BW278. <i>Molecular Breeding</i> , 2015, 35, 1.	1.0	11
30	Mapping of the stem rust resistance gene Pg13 in cultivated oat. <i>Theoretical and Applied Genetics</i> , 2020, 133, 259-270.	1.8	11
31	Identification of loci for pre-harvest sprouting resistance in the highly dormant spring wheat RL4137. <i>Theoretical and Applied Genetics</i> , 2021, 134, 113-124.	1.8	11
32	Mapping of the loose smut resistance gene Ut6 in wheat (<i>Triticum aestivum</i> L.). <i>Molecular Breeding</i> , 2014, 33, 569-576.	1.0	10
33	Genetic analysis of loose smut (<i>Ustilago tritici</i>) resistance in Sonop spring wheat. <i>BMC Plant Biology</i> , 2020, 20, 314.	1.6	9
34	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.	1.8	9
35	Mapping of the Oat Crown Rust Resistance Gene Pc39 Relative to Single Nucleotide Polymorphism Markers. <i>Plant Disease</i> , 2020, 104, 1507-1513.	0.7	9
36	Chromosomal location of the crown rust resistance gene Pc98 in cultivated oat (<i>Avena sativa</i> L.). <i>Theoretical and Applied Genetics</i> , 2020, 133, 1109-1122.	1.8	9

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37	Characterization of QTL and eQTL controlling early <i>Fusarium graminearum</i> infection and deoxynivalenol levels in a Wuhan 1 x Nyubai doubled haploid wheat population. <i>BMC Plant Biology</i> , 2019, 19, 536.	1.6	8
38	Mapping and DNA marker development for Lr33 from the leaf rust resistant line KU168-2. <i>Euphytica</i> , 2019, 215, 1.	0.6	5
39	Genetic analysis of oviposition deterrence to orange wheat blossom midge in spring wheat. <i>Theoretical and Applied Genetics</i> , 2021, 134, 647-660.	1.8	5
40	High density genetic mapping of stripe rust resistance in a "Strongfield"™ / "Blackbird"™ durum wheat population. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, S242-S255.	0.8	5
41	AAC Oravena oat. <i>Canadian Journal of Plant Science</i> , 0, , .	0.3	3
42	A laboratory method for mass rearing the orange wheat blossom midge, <i>Sitodiplosis mosellana</i> (Diptera: Cecidomyiidae). <i>Canadian Entomologist</i> , 0, , 1-9.	0.4	2
43	Localization of the Stem Rust Resistance Gene <i>Pg2</i> to Linkage Group Mrg20 in Cultivated Oat (<i>Avena sativa</i>). <i>Phytopathology</i> , 2020, 110, 1721-1726.	1.1	1