

Robert J Graf

List of Publications by Year in descending order

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78
papers

1,478
citations

331670

21
h-index

361022

35
g-index

78
all docs

78
docs citations

78
times ranked

1335
citing authors

#	ARTICLE	IF	CITATIONS
1	Regions of the Genome that Affect Agronomic Performance in Two-Row Barley. <i>Crop Science</i> , 1996, 36, 1053-1062.	1.8	191
2	Screening Spring Wheat for Midge Resistance in Relation to Ferulic Acid Content. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 3559-3566.	5.2	102
3	Application of molecular markers to wheat breeding in Canada. <i>Plant Breeding</i> , 2013, 132, 458-471.	1.9	83
4	Weed-Competitive Ability of Spring and Winter Cereals in the Northern Great Plains. <i>Weed Technology</i> , 2010, 24, 108-116.	0.9	72
5	Wheat diseases on the prairies: A Canadian story. <i>Plant Pathology</i> , 2020, 69, 418-432.	2.4	65
6	Stripe rust resistance among western Canadian spring wheat and triticale varieties. <i>Canadian Journal of Plant Science</i> , 2012, 92, 713-722.	0.9	61
7	McKenzie hard red spring wheat. <i>Canadian Journal of Plant Science</i> , 2003, 83, 565-569.	0.9	46
8	Allelic variation of vernalization and photoperiod response genes in a diverse set of North American high latitude winter wheat genotypes. <i>PLoS ONE</i> , 2018, 13, e0203068.	2.5	42
9	Molecular characterization of a wheat <i>Triticum ponticum</i> partial amphiploid and its derivatives for resistance to leaf rust. <i>Genome</i> , 2003, 46, 906-913.	2.0	35
10	Phenotypic and marker-assisted evaluation of spring and winter wheat germplasm for resistance to fusarium head blight. <i>Euphytica</i> , 2008, 164, 803-819.	1.2	35
11	A Sustainable Management Package to Improve Winter Wheat Production and Competition with Weeds. <i>Agronomy Journal</i> , 2010, 102, 649-657.	1.8	33
12	Evaluation of crossability between triticale (<i>Triticosecale</i> Wittmack) and common wheat, durum wheat and rye. <i>Environmental Biosafety Research</i> , 2007, 6, 249-257.	1.1	33
13	A study of factors influencing the water absorption capacity of Canadian hard red winter wheat flour. <i>Journal of Cereal Science</i> , 2018, 81, 52-59.	3.7	31
14	The transfer and characterization of resistance to common root rot from <i>Triticum ponticum</i> to wheat. <i>Genome</i> , 2004, 47, 215-223.	2.0	30
15	Different Reactions to the Wheat Curl Mite and Wheat streak mosaic virus in Various Wheat-Haynaldia villosa 6V and 6VS Lines. <i>Plant Disease</i> , 2002, 86, 423-428.	1.4	29
16	Virulence of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> , cause of stripe rust on wheat, in western Canada from 1984 to 2002. <i>Canadian Journal of Plant Pathology</i> , 2003, 25, 312-319.	1.4	27
17	Rates of yield gain of hard red spring wheat in western Canada. <i>Canadian Journal of Plant Science</i> , 2014, 94, 1-13.	0.9	27
18	Characterization of Wheat-Triticale Lines Resistant to Powdery Mildew, Stem Rust, Stripe Rust, Wheat Curl Mite, and Limitation on Spread of WSMV. <i>Plant Disease</i> , 2007, 91, 368-374.	1.4	26

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19	Exploring Genotype × Environment × Management synergies to manage fusarium head blight in wheat. Canadian Journal of Plant Pathology, 2018, 40, 179-188.	1.4	26
20	Emerson hard red winter wheat. Canadian Journal of Plant Science, 2013, 93, 741-748.	0.9	24
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	EFFECT OF PLANT DENSITY ON YIELD AND COMPONENTS OF YIELD OF FABA BEAN. Canadian Journal of Plant Science, 1987, 67, 1-10.	0.9	22
24	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
25	Genetic Gains in Agronomic and Selected End-Use Quality Traits over a Century of Plant Breeding of Canada Western Red Spring Wheat. Cereal Chemistry, 2015, 92, 537-543.	2.2	20
26	Promising genetic resources for resistance to wheat streak mosaic virus and the wheat curl mite in wheat-Thinopyrum partial amphiploids and their derivatives. Genetic Resources and Crop Evolution, 2005, 51, 827-835.	1.6	19
27	Radiant hard red winter wheat. Canadian Journal of Plant Science, 2012, 92, 169-175.	0.9	18
28	Flourish hard red winter wheat. Canadian Journal of Plant Science, 2012, 92, 183-189.	0.9	14
29	A Canadian Ethanol Feedstock Study to Benchmark the Relative Performance of Triticale: I. Agronomics. Agronomy Journal, 2013, 105, 1695-1706.	1.8	14
30	Molecular cytogenetic analysis of a durum wheat × <i>Thinopyrum distichum</i> hybrid used as a new source of resistance to Fusarium head blight in the greenhouse. Plant Breeding, 2001, 120, 375-380.	1.9	13
31	A Canadian Ethanol Feedstock Study to Benchmark the Relative Performance of Triticale: II. Grain Quality and Ethanol Production. Agronomy Journal, 2013, 105, 1707-1720.	1.8	13
32	Preferential accumulation of glycosylated cyanidins in winter-hardy rye (<i>Secale cereale</i> L.) genotypes during cold acclimation. Environmental and Experimental Botany, 2019, 164, 203-212.	4.2	12
33	OSLO RED SPRING WHEAT. Canadian Journal of Plant Science, 1990, 70, 299-302.	0.9	11
34	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
35	Comparison of Different Sources of Vector Resistance for Controlling Wheat Streak Mosaic in Winter Wheat. Crop Science, 2004, 44, 125.	1.8	11
36	Pyramiding disease resistance genes in elite winter wheat germplasm for Western Canada. Crop Journal, 2019, 7, 739-749.	5.2	10

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37	Expression of resistance to stripe rust, powdery mildew and the wheat curl mite in <i>Triticum aestivum</i> Å– Haynaldia villosalines. <i>Canadian Journal of Plant Science</i> , 2002, 82, 451-456.	0.9	9
38	Prodigy hard red spring wheat. <i>Canadian Journal of Plant Science</i> , 2003, 83, 813-816.	0.9	9
39	Sadash soft white spring wheat. <i>Canadian Journal of Plant Science</i> , 2009, 89, 1099-1106.	0.9	9
40	AAC Elevate hard red winter wheat. <i>Canadian Journal of Plant Science</i> , 2015, 95, 1021-1027.	0.9	9
41	Enhanced nitrogen management strategies for winter wheat production in the Canadian prairies. <i>Canadian Journal of Plant Science</i> , 2018, 98, 683-702.	0.9	9
42	Effects of water absorption and salt on discrimination of wheat gluten strength assessed by dough mixing and protein composition. <i>Journal of Cereal Science</i> , 2019, 89, 102752.	3.7	9
43	Post-emergence application of N fertilizer to improve grain yield and quality of irrigated durum and bread wheat. <i>Canadian Journal of Plant Science</i> , 2008, 88, 509-512.	0.9	8
44	The influence of moisture regime, N management, and cultivar on the agronomic performance and yield stability of soft white spring wheat. <i>Canadian Journal of Plant Science</i> , 2008, 88, 859-872.	0.9	8
45	AC Bellatrix hard red winter wheat. <i>Canadian Journal of Plant Science</i> , 2012, 92, 163-168.	0.9	8
46	Evaluation of Genomic Prediction for Fusarium Head Blight Resistance with a Multi-Parental Population. <i>Biology</i> , 2021, 10, 756.	2.8	8
47	Bhishaj soft white spring wheat. <i>Canadian Journal of Plant Science</i> , 2011, 91, 805-810.	0.9	7
48	Reaction of differential wheat and triticale genotypes to natural stripe rust [<i>Puccinia striiformis</i> f. sp. <i>tritici</i>] infection in Saskatchewan, Canada. <i>Canadian Journal of Plant Pathology</i> , 2017, 39, 138-148.	1.4	7
49	The Integration of Spring and Winter Wheat Genetics With Agronomy for Ultra-Early Planting Into Cold Soils. <i>Frontiers in Plant Science</i> , 2020, 11, 89.	3.6	7
50	Mapping pre-harvest sprouting resistance loci in AAC Innova Å– AAC Tenacious spring wheat population. <i>BMC Genomics</i> , 2021, 22, 900.	2.8	7
51	Sunray spring triticale. <i>Canadian Journal of Plant Science</i> , 2012, 92, 363-367.	0.9	6
52	Seeding date and location affect winter wheat infection by common bunt (<i>Tilletia tritici</i> and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 0.9	0.9	6
53	Pintail general purpose winter wheat. <i>Canadian Journal of Plant Science</i> , 2015, 95, 1271-1276.	0.9	6
54	Winter cereal responses to dose and application timing of trinexapacâ€ethyl. <i>Crop Science</i> , 2021, 61, 2722-2732.	1.8	6

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55	Race distribution of <i>Pyrenophora tritici-repentis</i> in relation to ploidy level and susceptibility of durum and winter bread wheat. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, 582-598.	1.4	6
56	Registration of "Yellowstone"™ Winter Wheat Backcross-Derived Lines Incorporating Leaf Rust and Wheat Curl Mite Resistance. <i>Journal of Plant Registrations</i> , 2011, 5, 422-425.	0.5	6
57	Journey hard red spring wheat. <i>Canadian Journal of Plant Science</i> , 2003, 83, 807-811.	0.9	5
58	AAC Icefield hard white winter wheat. <i>Canadian Journal of Plant Science</i> , 2018, 98, 1395-1405.	0.9	5
59	Evaluation of winter wheat genotypes and seed treatments for control of dwarf bunt in Ontario. <i>Canadian Journal of Plant Pathology</i> , 2007, 29, 243-250.	1.4	4
60	Efficiency of protein as a nitrogen source for wheat and morphological changes in roots exposed to high protein concentrations. <i>Canadian Journal of Plant Science</i> , 2014, 94, 603-613.	0.9	4
61	AAC Innova general purpose spring wheat. <i>Canadian Journal of Plant Science</i> , 2015, 95, 787-791.	0.9	4
62	Optimal Agronomics Increase Grain Yield and Grain Yield Stability of Ultra-Early Wheat Seeding Systems. <i>Agronomy</i> , 2021, 11, 240.	3.0	4
63	The Relationships between Plant Developmental Traits and Winter Field Survival in Rye (<i>Secale cereale</i>) Tj ETQq1 1 0.784314 4gBT /Ov 3.5	0.9	4
64	Variation in spike harvest index among diverse genotypes of spring wheat and triticale. <i>Canadian Journal of Plant Science</i> , 1992, 72, 257-261.	0.9	3
65	AAC Gateway hard red winter wheat. <i>Canadian Journal of Plant Science</i> , 2013, 93, 541-548.	0.9	3
66	Protein can be taken up by damaged wheat roots and transported to the stem. <i>Journal of Plant Biology</i> , 2015, 58, 1-7.	2.1	3
67	Association mapping of autumn-seeded rye (<i>Secale cereale</i> L.) reveals genetic linkages between genes controlling winter hardiness and plant development. <i>Scientific Reports</i> , 2022, 12, 5793.	3.3	3
68	AC Readymade and AC Tempest, selections from Redwin hard red winter wheat. <i>Canadian Journal of Plant Science</i> , 2012, 92, 355-361.	0.9	2
69	Broadview hard red winter wheat. <i>Canadian Journal of Plant Science</i> , 2012, 92, 177-181.	0.9	2
70	AAC Indus soft white spring wheat. <i>Canadian Journal of Plant Science</i> , 2015, 95, 793-797.	0.9	2
71	AAC Proclaim general purpose spring wheat. <i>Canadian Journal of Plant Science</i> , 2015, 95, 1265-1269.	0.9	2
72	Canadian spring hexaploid wheat (<i>Triticum aestivum</i> L.) cultivars exhibit broad adaptation to ultra-early wheat planting systems. <i>Canadian Journal of Plant Science</i> , 2022, 102, 442-448.	0.9	2

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73	In vitro evaluation of antimicrobial peptides against Fusarium species. Canadian Journal of Plant Science, 2009, 89, 739-743.	0.9	1
74	AAC Chiffon soft white spring wheat. Canadian Journal of Plant Science, 2014, 94, 1303-1308.	0.9	1
75	Inheritance of Blue Grain Colour and Its Association with J and J ^s Translocation Chromosomes in Wheat-Agrotana Hybrid Lines. Cytologia, 2003, 68, 307-315.	0.6	0
76	AAC Network hard red winter wheat. Canadian Journal of Plant Science, 2020, 100, 737-746.	0.9	0
77	AAC Vortex hard red winter wheat. Canadian Journal of Plant Science, 0, , .	0.9	0
78	AAC Coldfront hard red winter wheat. Canadian Journal of Plant Science, 0, , .	0.9	0