

Rong-Cai Yang

List of Publications by Year in descending order

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Version: 2024-02-01

84

papers

1,872

citations

257450

24

h-index

302126

39

g-index

85

all docs

85

docs citations

85

times ranked

2002

citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>) gene pool for use in the breeding of hybrid spring <i>Brassica napus</i> canola. <i>Plant Breeding</i> , 2021, 140, 305-319.	1.9	3
2	Phenotypic performance and associated QTL of “Peace” – “CDC Stanley” mapping population under conventional and organic management systems. <i>Crop Science</i> , 2021, 61, 3469-3483.	1.8	8
3	The effect of auxins on amelioration of heat stress-induced wheat (<i>Triticum aestivum</i> L.) grain loss. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 970-983.	3.5	8
4	Testing for nonlinear genotype – environment interactions. <i>Crop Science</i> , 2020, 60, 3127-3140.	1.8	0
5	Genetic parameters of growth and adaptive traits in aspen (<i>Populus tremuloides</i>): Implications for tree breeding in a warming world. <i>PLoS ONE</i> , 2020, 15, e0229225.	2.5	11
6	Potential of rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>) gene pool for use in the breeding of <i>B. napus</i> canola. <i>Crop Science</i> , 2020, 60, 157-171.	1.8	7
7	There are Different Pathways to Stable Spring Wheat Grain Yield and Nitrogen Utilization Efficiency in Conventional and Organically-Managed Systems. <i>Agronomy Journal</i> , 2019, 111, 2370-2377.	1.8	3
8	Potential of the C Genome of the Different Variants of <i>Brassica oleracea</i> for Heterosis in Spring <i>B. napus</i> Canola. <i>Frontiers in Plant Science</i> , 2019, 10, 1691.	3.6	8
9	Potential of the C Genome of Different Variants of <i>Brassica oleracea</i> for the Improvement of Agronomic and Seed Quality Traits of <i>B. napus</i> Canola. <i>Crop Science</i> , 2019, 59, 2608-2620.	1.8	7
10	Investigating Genetic Progress and Variation for Nitrogen Use Efficiency in Spring Wheat. <i>Crop Science</i> , 2018, 58, 1542-1557.	1.8	15
11	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
12	Genome-wide estimation of heritability and its functional components for flowering, defense, ionomics, and developmental traits in a geographically diverse population of <i>Arabidopsis thaliana</i> . <i>Genome</i> , 2017, 60, 572-580.	2.0	7
13	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
14	Prediction and analysis of three gene families related to leaf rust (<i>Puccinia triticina</i>) resistance in wheat (<i>Triticum aestivum</i> L.). <i>BMC Plant Biology</i> , 2017, 17, 108.	3.6	19
15	Inferring defense-related gene families in <i>Arabidopsis</i> and wheat. <i>BMC Genomics</i> , 2017, 18, 980.	2.8	8
16	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
17	Patterns of Heterosis in Three Distinct Inbred Populations of Spring <i>Brassica napus</i> Canola. <i>Crop Science</i> , 2016, 56, 2536-2545.	1.8	9
18	Effect of Lr34/Yr18 on agronomic and quality traits in a spring wheat mapping population and implications for breeding. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	18

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19	Bioinformatic prediction of transcription factor binding sites at promoter regions of genes for photoperiod and vernalization responses in model and temperate cereal plants. BMC Genomics, 2016, 17, 573.	2.8	8
20	Genome-Wide Comparative Analysis of Flowering-Related Genes in Arabidopsis, Wheat, and Barley. International Journal of Plant Genomics, 2015, 2015, 1-17.	2.2	30
21	Earliness per se quantitative trait loci and their interaction with Vrn-B1 locus in a spring wheat population. Molecular Breeding, 2015, 35, 1.	2.1	19
22	Direct Approach to Modeling Epistasis. Methods in Molecular Biology, 2015, 1253, 159-183.	0.9	0
23	Simulated Genetically Modified Triticale: Adventitious Presence from Volunteers in Four Cropping Systems. Crop Science, 2014, 54, 1087-1096.	1.8	1
24	Genetic Study and QTL Mapping of Seed Glucosinolate Content in <i>Brassica rapa</i> L.. Crop Science, 2014, 54, 537-543.	1.8	14
25	Marker-Based Estimation of Genetic Parameters in Genomics. PLoS ONE, 2014, 9, e102715.	2.5	6
26	One century later: dissecting genetic effects for looking over old paradigms. Frontiers in Genetics, 2014, 5, 396.	2.3	1
27	Analysis of linear and non-linear genotype \times environment interaction. Frontiers in Genetics, 2014, 5, 227.	2.3	11
28	The effect of <i>VRN1</i> genes on important agronomic traits in high-yielding Canadian soft white spring wheat. Plant Breeding, 2014, 133, 321-326.	1.9	15
29	Relative performance of Canadian spring wheat cultivars under organic and conventional field conditions. Euphytica, 2014, 196, 13-24.	1.2	24
30	Improved Statistical Inference for Graphical Description and Interpretation of Genotype \times Environment Interaction. Crop Science, 2013, 53, 2400-2410.	1.8	12
31	A New Distribution-Free Approach to Constructing the Confidence Region for Multiple Parameters. PLoS ONE, 2013, 8, e81179.	2.5	9
32	Persistence of Triticale Seed in the Soil Seed Bank. Crop Science, 2012, 52, 1868-1880.	1.8	8
33	Influence of Seeding Rate, Nitrogen Management, and Micronutrient Blend Applications on Pith Expression in Solid-stemmed Spring Wheat. Crop Science, 2012, 52, 1316-1329.	1.8	23
34	Pollen-Mediated Gene Flow in Triticale. Crop Science, 2012, 52, 2293-2303.	1.8	8
35	Short Communication: First report of outcrossing rates in camelina [<i>Camelina sativa</i> (L.) Crantz], a potential platform for bioindustrial oils. Canadian Journal of Plant Science, 2012, 92, 681-685.	0.9	37
36	Stability of genome-wide QTL effects on malt α -amylase activity in a barley doubled-haploid population. Euphytica, 2012, 188, 131-139.	1.2	4

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37	Genome-wide analysis of zygotic linkage disequilibrium and its components in crossbred cattle. BMC Genetics, 2012, 13, 65.	2.7	6
38	Clarifying the Relationship between Average Excesses and Average Effects of Allele Substitutions. Frontiers in Genetics, 2012, 3, 30.	2.3	4
39	Integrating Spring Wheat Sowing Density with Variety Selection to Manage Wheat Stem Sawfly. Agronomy Journal, 2011, 103, 1755-1764.	1.8	28
40	Do Interactions between Residue Management and Direct Seeding System Affect Wheat Stem Sawfly and Grain Yield?. Agronomy Journal, 2011, 103, 1635-1644.	1.8	6
41	Exploitation of the late flowering species Brassica oleracea L. for the improvement of earliness in B. napus L.: an untraditional approach. Euphytica, 2011, 177, 365-374.	1.2	24
42	Realized gains from selection for spring wheat grain yield are different in conventional and organically managed systems. Euphytica, 2011, 177, 253-266.	1.2	46
43	Multiallelic models of genetic effects and variance decomposition in non-equilibrium populations. Genetica, 2011, 139, 1119-1134.	1.1	22
44	Tolerance of Spring Triticale (<i>Triticosecale</i> Wittmack) to Four Wheat Herbicides. Weed Technology, 2011, 25, 84-89.	0.9	4
45	Analysis of covariance in agronomy and crop research. Canadian Journal of Plant Science, 2011, 91, 621-641.	0.9	16
46	Emergence and Persistence of Volunteer Flax in Western Canadian Cropping Systems. Agronomy Journal, 2010, 102, 1321-1328.	1.8	7
47	Quantification and Mitigation of Adventitious Presence of Volunteer Flax (<i>Linum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342	1.5	6
48	When Is Early Generation Selection Effective in Self-Pollinated Crops?. Crop Science, 2009, 49, 2065-2079.	1.8	8
49	Should spring wheat breeding for organically managed systems be conducted on organically managed land?. Euphytica, 2009, 169, 239-252.	1.2	52
50	Potential for seed-mediated gene flow in agroecosystems from transgenic safflower (<i>Carthamus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.4	18
51	Seed-Mediated Gene Flow in Wheat: Seed Bank Longevity in Western Canada. Weed Science, 2009, 57, 124-132.	1.5	12
52	Biplot Analysis of Genotype × Environment Interaction: Proceed with Caution. Crop Science, 2009, 49, 1564-1576.	1.8	232
53	Pollen-mediated gene flow from transgenic safflower (<i>Carthamus tinctorius</i> L.) intended for plant molecular farming to conventional safflower. Environmental Biosafety Research, 2009, 8, 19-32.	1.1	13
54	Why is MIXED analysis underutilized. Canadian Journal of Plant Science, 2008, 88, 563-567.	0.9	3

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55	Using Factor Analytic Models for Joining Environments and Genotypes without Crossover Genotype \times Environment Interaction. <i>Crop Science</i> , 2008, 48, 1291-1305.	1.8	86
56	Effects of Linkage and Epistasis on Intergeneration Correlations in Self-Pollinated Species. <i>Crop Science</i> , 2008, 48, 2074-2085.	1.8	4
57	Mixed-Model Analysis of Crossover Genotype-Environment Interactions. <i>Crop Science</i> , 2007, 47, 1051-1062.	1.8	37
58	Multilocus structure in the <i>Pinus contorta</i> \times <i>Pinus banksiana</i> complex. <i>Canadian Journal of Botany</i> , 2007, 85, 774-784.	1.1	10
59	The Effect of Vernalization Genes on Earliness and Related Agronomic Traits of Spring Wheat in Northern Growing Regions. <i>Crop Science</i> , 2007, 47, 1031-1039.	1.8	22
60	Genetic analysis of flowering and maturity time in high latitude spring wheat. <i>Euphytica</i> , 2007, 154, 207-218.	1.2	55
61	Rotation length, canola variety and herbicide resistance system affect weed populations and yield. <i>Weed Science</i> , 2006, 54, 726-734.	1.5	22
62	Can Spring Wheat-Growing Megaenvironments in the Northern Great Plains Be Dissected for Representative Locations or Niche-Adapted Genotypes?. <i>Crop Science</i> , 2006, 46, 1107-1116.	1.8	43
63	A genetic examination of early flowering and maturity in Canadian spring wheat. <i>Canadian Journal of Plant Science</i> , 2006, 86, 995-1004.	0.9	15
64	Detecting and estimating segregation distortion and linkage between glufosinate tolerance and blackleg resistance in <i>Brassica napus</i> L.. <i>Euphytica</i> , 2006, 148, 217-225.	1.2	3
65	Using Degree-Day and Logistic Models to Predict Emergence Patterns and Seasonal Flights of the Cabbage Maggot and Seed Corn Maggot (Diptera: Anthomyiidae) in Canola. <i>Environmental Entomology</i> , 2006, 35, 1166-1177.	1.4	35
66	Detecting and estimating segregation distortion and linkage between glufosinate tolerance and blackleg resistance in <i>Brassica napus</i> L., 2006, 148, 217.		1
67	Using Degree-Day and Logistic Models to Predict Emergence Patterns and Seasonal Flights of the Cabbage Maggot and Seed Corn Maggot (Diptera: Anthomyiidae) in Canola. <i>Environmental Entomology</i> , 2006, 35, 1166-1177.	1.4	14
68	Efficiency of Spatial Analyses of Field Pea Variety Trials. <i>Crop Science</i> , 2004, 44, 49-55.	1.8	24
69	A LIKELIHOOD-BASED APPROACH TO ESTIMATING AND TESTING FOR ISOLATION BY DISTANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1839.	2.3	2
70	Epistasis of Quantitative Trait Loci Under Different Gene Action Models. <i>Genetics</i> , 2004, 167, 1493-1505.	2.9	58
71	A LIKELIHOOD-BASED APPROACH TO ESTIMATING AND TESTING FOR ISOLATION BY DISTANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1839-1845.	2.3	36
72	Studying crossover genotype \times environment interaction using linear-bilinear models and mixed models. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2004, 9, 362-380.	1.4	77

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73	Efficiency of Spatial Analyses of Field Pea Variety Trials. <i>Crop Science</i> , 2004, 44, 49.	1.8	6
74	Coevolution in Natural Pathosystems: Effects of Dominance on Host-Pathogen Interactions. <i>Phytopathology</i> , 2003, 93, 633-639.	2.2	9
75	Gametic and Zygotic Associations. <i>Genetics</i> , 2003, 165, 447-450.	2.9	10
76	Population structure of a lodgepole pine (<i>Pinus contorta</i>) and jack pine (<i>P. banksiana</i>) complex as revealed by random amplified polymorphic DNA. <i>Genome</i> , 2002, 45, 530-540.	2.0	26
77	Likelihood-Based Analysis of Genotype-Environment Interactions. <i>Crop Science</i> , 2002, 42, 1434-1440.	1.8	28
78	Analysis of Multilocus Zygotic Associations. <i>Genetics</i> , 2002, 161, 435-445.	2.9	18
79	Zygotic Associations and Multilocus Statistics in a Nonequilibrium Diploid Population. <i>Genetics</i> , 2000, 155, 1449-1458.	2.9	25
80	Susceptibility of <i>Pinus contorta</i> - <i>Pinus banksiana</i> complex to <i>Endocronartium harknessii</i> : host-pathogen interactions. <i>Canadian Journal of Botany</i> , 1999, 77, 1035-1043.	1.1	11
81	Comparative assessment of genetic variation of young high-elevation lodgepole pine for height and western gall rust resistance across two sites in Alberta. <i>Canadian Journal of Forest Research</i> , 1998, 28, 478-484.	1.7	3
82	Estimating Hierarchical F-Statistics. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 950.	2.3	50
83	A Comparison of Isozyme and Quantitative Genetic Variation in <i>Pinus contorta</i> ssp. <i>latifolia</i> by <i>F_{ST}</i> . <i>Genetics</i> , 1996, 142, 1045-1052.	2.9	112
84	Nucleotide divergence between populations of trembling aspen (<i>Populus tremuloides</i>) estimated with RAPDs. <i>Current Genetics</i> , 1994, 26, 374-376.	1.7	33