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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	4,940 citations	30 h-index	70 g-index
81 ext. papers	6,167 ext. citations	2.7 avg, IF	5.94 L-index

#	Paper	IF	Citations
70	Cultivar Evaluation and Mega-Environment Investigation Based on the GGE Biplot. <i>Crop Science</i> , 2000 , 40, 597-605	2.4	713
69	GGEbiplot: A Windows Application for Graphical Analysis of Multienvironment Trial Data and Other Types of Two-Way Data. <i>Agronomy Journal</i> , 2001 , 93, 1111-1118	2.2	513
68	Biplot analysis of multi-environment trial data: Principles and applications. <i>Canadian Journal of Plant Science</i> , 2006 , 86, 623-645	1	486
67	GGE Biplot vs. AMMI Analysis of Genotype-by-Environment Data. <i>Crop Science</i> , 2007 , 47, 643-653	2.4	434
66	Biplot Analysis of Test Sites and Trait Relations of Soybean in Ontario. <i>Crop Science</i> , 2002 , 42, 11-20	2.4	334
65	GGE Biplot Analysis		217
64	Singular-Value Partitioning in Biplot Analysis of Multienvironment Trial Data. <i>Agronomy Journal</i> , 2002 , 94, 990	2.2	206
63	Interpretation of Genotype \times Environment Interaction for Winter Wheat Yield in Ontario. <i>Crop Science</i> , 2001 , 41, 19-25	2.4	151
62	An Integrated Biplot Analysis System for Displaying, Interpreting, and Exploring Genotype \times Environment Interaction. <i>Crop Science</i> , 2005 , 45, 1004-1016	2.4	146
61	Biplot Analysis of Test Sites and Trait Relations of Soybean in Ontario. <i>Crop Science</i> , 2002 , 42, 11	2.4	138
60	Two Types of GGE Biplots for Analyzing Multi-Environment Trial Data. <i>Crop Science</i> , 2001 , 41, 656-663	2.4	129
59	Effects of year, site, genotype and their interactions on various soybean isoflavones. <i>Field Crops Research</i> , 2003 , 81, 181-192	5.5	118
58	A heritability-adjusted GGE biplot for test environment evaluation. <i>Euphytica</i> , 2010 , 171, 355-369	2.1	97
57	Biplot Analysis of Diallel Data. <i>Crop Science</i> , 2002 , 42, 21-30	2.4	87
56	Breeding Line Selection Based on Multiple Traits. <i>Crop Science</i> , 2008 , 48, 417-423	2.4	81
55	2014,		72
54	Biplots of Linear-Bilinear Models for Studying Crossover Genotype \times Environment Interaction. <i>Crop Science</i> , 2002 , 42, 619-633	2.4	71

53	SNP discovery and chromosome anchoring provide the first physically-anchored hexaploid oat map and reveal synteny with model species. <i>PLoS ONE</i> , 2013 , 8, e58068	3.7	60
52	Simulation and Prediction of Plant Phenology for Five Crops Based on Photoperiod×Temperature Interaction. <i>Annals of Botany</i> , 1998 , 81, 705-716	4.1	53
51	Soil nitrous oxide emissions from agricultural soils in Canada: Exploring relationships with soil, crop and climatic variables. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 254, 69-81	5.7	53
50	Changes in Isoflavone Concentration with 58 Years of Genetic Improvement of Short-Season Soybean Cultivars in Canada. <i>Crop Science</i> , 2008 , 48, 2201-2208	2.4	44
49	Identifying Essential Test Locations for Oat Breeding in Eastern Canada. <i>Crop Science</i> , 2010 , 50, 504-515	2.4	42
48	Biplot Analysis of Host-by-Pathogen Data. <i>Plant Disease</i> , 2002 , 86, 1396-1401	1.5	41
47	Analysis and Handling of G×E in a Practical Breeding Program. <i>Crop Science</i> , 2016 , 56, 2106-2118	2.4	40
46	Genotype by Yield×Trait (GYT) Biplot: a Novel Approach for Genotype Selection based on Multiple Traits. <i>Scientific Reports</i> , 2018 , 8, 8242	4.9	39
45	Assessing the Representativeness and Repeatability of Test Locations for Genotype Evaluation. <i>Crop Science</i> , 2011 , 51, 1603-1610	2.4	37
44	Prediction of Cultivar Performance Based on Single- versus Multiple-Year Tests in Soybean. <i>Crop Science</i> , 2003 , 43, 549	2.4	35
43	Population Genomics Related to Adaptation in Elite Oat Germplasm. <i>Plant Genome</i> , 2016 , 9, plantgenome.2015.0103	4.4	35
42	Biplots of Linear-Bilinear Models for Studying Crossover Genotype × Environment Interaction. <i>Crop Science</i> , 2002 , 42, 619	2.4	34
41	Mega-environment Analysis and Test Location Evaluation Based on Unbalanced Multiyear Data. <i>Crop Science</i> , 2015 , 55, 113-122	2.4	31
40	On-Farm Strip Trials vs. Replicated Performance Trials for Cultivar Evaluation. <i>Crop Science</i> , 2002 , 42, 385-392	2.4	30
39	Biplot Analysis of Incomplete Two-Way Data. <i>Crop Science</i> , 2013 , 53, 48-57	2.4	29
38	How many test locations and replications are needed in crop variety trials for a target region?. <i>Euphytica</i> , 2015 , 202, 361-372	2.1	25
37	Response of Oat Genotypes to Fusarium Head Blight in Eastern Canada. <i>Crop Science</i> , 2010 , 50, 134-142	2.4	22
36	Associations Among Oat Traits and Their Responses to the Environment. <i>Journal of Crop Improvement</i> , 2007 , 20, 1-29	1.4	22

35	On-Farm Strip Trials vs. Replicated Performance Trials for Cultivar Evaluation. <i>Crop Science</i> , 2002 , 42, 385	2.4	20
34	Genotype × Environment interactions in <i>Pinus pinaster</i> at age 10 in a multienvironment trial in Portugal: a maximum likelihood approach. <i>Annals of Forest Science</i> , 2010 , 67, 612-612	3.1	17
33	Nitrogen Application Improved Photosynthetic Productivity, Chlorophyll Fluorescence, Yield and Yield Components of Two Oat Genotypes under Saline Conditions. <i>Agronomy</i> , 2019 , 9, 115	3.6	16
32	Screening Oat Genotypes for Tolerance to Salinity and Alkalinity. <i>Frontiers in Plant Science</i> , 2018 , 9, 13026.2	2.2	16
31	Nitrogen and phosphorus uptake, yield and agronomic traits of oat cultivars as affected by fertilizer N rates under diverse environments. <i>Nutrient Cycling in Agroecosystems</i> , 2017 , 108, 245-265	3.3	16
30	Oat mega-environments and test-locations in Quebec. <i>Canadian Journal of Plant Science</i> , 2011 , 91, 643-649	2.4	15
29	A Set of New Simple Sequence Repeat and Avenin DNA Markers Suitable for Mapping and Fingerprinting Studies in Oat (<i>Avena</i> spp.). <i>Crop Science</i> , 2010 , 50, 1207-1218	2.4	15
28	A biplot approach for investigating QTL-by-environment patterns. <i>Molecular Breeding</i> , 2005 , 15, 31-43	3.4	15
27	Genotype-by-Environment Interaction and Trait Associations in Two Genetic Populations of Oat. <i>Crop Science</i> , 2016 , 56, 1136-1145	2.4	14
26	Genotype by environment interactions of heat stress disorder resistance in crisphead lettuce. <i>Plant Breeding</i> , 2009 , 128, 374-380	2.4	13
25	Genotype × Location Interaction Patterns and Testing Strategies for Oat in the Canadian Prairies. <i>Crop Science</i> , 2011 , 51, 1903-1914	2.4	13
24	Optimization of cotton variety registration criteria aided with a genotype-by-trait biplot analysis. <i>Scientific Reports</i> , 2017 , 7, 17237	4.9	11
23	Nitrogen Fertilizer Complements Breeding in Improving Yield and Quality of Milling Oat. <i>Crop Science</i> , 2017 , 57, 3291-3302	2.4	9
22	Plant architecture, plasticity, and adaptation strategies of two oat genotypes under different competition intensities. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 1431-9	4.3	8
21	Exploring agronomic strategies to improve oat productivity and control weeds: leaf type, row spacing, and planting density. <i>Canadian Journal of Plant Science</i> , 2018 , 98, 1084-1093	1	7
20	Comment on Biplot Analysis of Genotype × Environment Interaction: Proceed with Caution, by R.-C. Yang, J. Crossa, P.L. Cornelius, and J. Burgueño in <i>Crop Science</i> 2009 49:1564–1576. <i>Crop Science</i> , 2010 , 50, 1121-1123	2.4	7
19	Information systems for crop performance data. <i>Canadian Journal of Plant Science</i> , 2006 , 86, 647-662	1	7
18	LG biplot: a graphical method for mega-environment investigation using existing crop variety trial data. <i>Scientific Reports</i> , 2019 , 9, 7130	4.9	6

17	QTL Identification, Mega-Environment Classification, and Strategy Development for Marker-Based Selection Using Biplots. <i>Journal of Crop Improvement</i> , 2005 , 14, 299-324	1.4	5
16	Is Deoxynivalenol Contamination a Serious Problem for Oat in Eastern Canada?. <i>Crop Science</i> , 2017 , 57, 88-98	2.4	4
15	Oat mega-environments in Canada. <i>Crop Science</i> , 2021 , 61, 1141-1153	2.4	4
14	A genetic linkage map in southern-by-spring oat identifies multiple quantitative trait loci for adaptation and rust resistance. <i>Plant Breeding</i> , 2018 , 138, 82	2.4	4
13	Genome analysis in Avena sativa reveals hidden breeding barriers and opportunities for oat improvement.. <i>Communications Biology</i> , 2022 , 5, 474	6.7	4
12	AAC Bullet Oat. <i>Canadian Journal of Plant Science</i> , 2017 ,	1	3
11	DUDE: A User-Friendly Crop Information System. <i>Agronomy Journal</i> , 2007 , 99, 1029-1033	2.2	3
10	A targeted genotyping-by-sequencing tool (Rapture) for genomics-assisted breeding in oat. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 653-664	6	3
9	AAC Nicolas Oat. <i>Canadian Journal of Plant Science</i> , 2016 ,	1	3
8	Association of asparagine concentration in wheat with cultivar, location, fertilizer, and their interaction. <i>Food Chemistry</i> , 2021 , 344, 128630	8.5	3
7	Effect of nitrogen fertilization on seed-borne Fusarium species in oat. <i>Canadian Journal of Plant Science</i> , 2017 ,	1	2
6	Reactions of eastern Canada oat genotypes to Puccinia coronata f. sp. avenae. <i>Canadian Journal of Plant Science</i> , 2020 , 100, 209-217	1	2
5	Estimation of the Optimal Number of Replicates in Crop Variety Trials. <i>Frontiers in Plant Science</i> , 2020 , 11, 590762	6.2	2
4	Breeding for Ideal Milling Oat: Challenges and Strategies 2013 , 7-32		1
3	A Systematic Narration of Some Key Concepts and Procedures in Plant Breeding. <i>Frontiers in Plant Science</i> , 2021 , 12, 724517	6.2	0
2	Exploring the relationships between biomass production, nutrient acquisition, and phenotypic traits: testing oat genotypes as a cover crop. <i>Journal of Plant Nutrition</i> , 1-14	2.3	0
1	AAC Banner oat. <i>Canadian Journal of Plant Science</i> , 2021 , 101, 441-446	1	