

Luther E Talbert

List of Publications by Year in descending order

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97
papers

5,141
citations

94433

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97
docs citations

97
times ranked

4081
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide comparative diversity uncovers multiple targets of selection for improvement in hexaploid wheat landraces and cultivars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8057-8062.	7.1	1,065
2	Enhanced ADP-glucose pyrophosphorylase activity in wheat endosperm increases seed yield. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1724-1729.	7.1	281
3	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2010, 11, 727.	2.8	234
4	A haplotype map of allohexaploid wheat reveals distinct patterns of selection on homoeologous genomes. <i>Genome Biology</i> , 2015, 16, 48.	8.8	216
5	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. <i>BMC Genomics</i> , 2010, 11, 702.	2.8	189
6	Conversion of AFLP markers to sequence-specific PCR markers in barley and wheat. <i>Theoretical and Applied Genetics</i> , 1999, 98, 1072-1078.	3.6	133
7	Genetic Basis of Agronomic Differences between a Modern and a Historical Spring Wheat Cultivar. <i>Crop Science</i> , 2014, 54, 1-13.	1.8	131
8	Evaluation of "sequence-tagged-site" PCR products as molecular markers in wheat. <i>Theoretical and Applied Genetics</i> , 1994, 87, 789-794.	3.6	127
9	Association of Puroindoline Sequence Type and Grain Hardness in Hard Red Spring Wheat. <i>Crop Science</i> , 2000, 40, 370-374.	1.8	113
10	Identification of quantitative trait loci for productive tiller number and its relationship to agronomic traits in spring wheat. <i>Theoretical and Applied Genetics</i> , 2011, 123, 1043-1053.	3.6	99
11	The genetic architecture of genome-wide recombination rate variation in allopolyploid wheat revealed by nested association mapping. <i>Plant Journal</i> , 2018, 95, 1039-1054.	5.7	97
12	Influence of Genotype, Environment, and Nitrogen Management on Spring Wheat Quality. <i>Crop Science</i> , 2004, 44, 425-432.	1.8	96
13	More than one origin of hexaploid wheat is indicated by sequence comparison of low-copy DNA. <i>Genome</i> , 1998, 41, 402-407.	2.0	95
14	Phylogenetic reconstruction based on low copy DNA sequence data in an allopolyploid: The B genome of wheat. <i>Genome</i> , 1999, 42, 351-360.	2.0	89
15	Predicting Progeny Variance from Parental Divergence in Hard Red Spring Wheat. <i>Crop Science</i> , 1998, 38, 243-248.	1.8	83
16	Identification of Microsatellite Markers Associated with a Stem Solidness Locus in Wheat. <i>Crop Science</i> , 2004, 44, 1397-1402.	1.8	74
17	Complementary epistasis involving Sr12 explains adult plant resistance to stem rust in Thatcher wheat (<i>Triticum aestivum</i> L.). <i>Theoretical and Applied Genetics</i> , 2014, 127, 1549-1559.	3.6	71
18	Markers Linked to Wheat Stem Rust Resistance Gene <i>Sr11</i> Effective to <i>Puccinia graminis</i> f. sp. <i>tritici</i> Race TKTF. <i>Phytopathology</i> , 2016, 106, 1352-1358.	2.2	69

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19	Genetic Diversity in Hard Red Spring Wheat Based on Sequence-Tagged Site PCR Markers. <i>Crop Science</i> , 1994, 34, 1628-1632.	1.8	68
20	Relationship of Flag Leaf Characteristics to Economically Important Traits in Two Spring Wheat Crosses. <i>Crop Science</i> , 2007, 47, 491-494.	1.8	63
21	Cultivar Preferences of Ovipositing Wheat Stem Sawflies as Influenced by the Amount of Volatile Attractant. <i>Journal of Economic Entomology</i> , 2009, 102, 1009-1017.	1.8	62
22	Genetic Analysis of Green Leaf Duration in Spring Wheat. <i>Crop Science</i> , 2012, 52, 99-109.	1.8	62
23	Development of PCR markers linked to resistance to wheat streak mosaic virus in wheat. <i>Theoretical and Applied Genetics</i> , 1996, 93, 463-467.	3.6	59
24	Field Evaluation of Transgenic and Classical Sources of Wheat streak mosaic virus Resistance. <i>Crop Science</i> , 2002, 42, 105-110.	1.8	59
25	Registration of "McNeal"™ Wheat. <i>Crop Science</i> , 1994, 34, 1126-1127.	1.8	52
26	Effect of Variation for Major Growth Habit Genes on Maturity and Yield in Five Spring Wheat Populations. <i>Crop Science</i> , 2009, 49, 1211-1220.	1.8	51
27	Climatic Change and Agronomic Performance of Hard Red Spring Wheat from 1950 to 2007. <i>Crop Science</i> , 2010, 50, 835-841.	1.8	51
28	Relationship of Dough Extensibility to Dough Strength in a Spring Wheat Cross. <i>Cereal Chemistry</i> , 2006, 83, 255-258.	2.2	48
29	Identification of Novel QTL for Sawfly Resistance in Wheat. <i>Crop Science</i> , 2010, 50, 73-86.	1.8	48
30	Evaluation of Near-Isogenic Lines for Three Height-Reducing Genes in Hard Red Spring Wheat. <i>Crop Science</i> , 2012, 52, 1145-1152.	1.8	48
31	Field Evaluation of Transgenic Wheat Expressing a Modified ADP-Glucose Pyrophosphorylase Large Subunit. <i>Crop Science</i> , 2007, 47, 336-342.	1.8	45
32	Field Evaluation of Transgenic and Classical Sources of Resistance. <i>Crop Science</i> , 2002, 42, 105.	1.8	45
33	Transfer of sequence tagged site PCR markers between wheat and barley. <i>Genome</i> , 1996, 39, 802-810.	2.0	44
34	Title is missing!. <i>Molecular Breeding</i> , 2000, 6, 469-477.	2.1	44
35	Grain Fill Duration in Twelve Hard Red Spring Wheat Crosses. <i>Crop Science</i> , 2001, 41, 1390-1395.	1.8	44
36	Discovery of a Novel Stem Rust Resistance Allele in Durum Wheat that Exhibits Differential Reactions to Ug99 Isolates. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 3481-3490.	1.8	40

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37	Genome-specific primer sets for starch biosynthesis genes in wheat. <i>Theoretical and Applied Genetics</i> , 2004, 109, 1295-1302.	3.6	38
38	Comparative Bread Quality of White Flour and Whole Grain Flour for Hard Red Spring and Winter Wheat. <i>Crop Science</i> , 2001, 41, 1917-1920.	1.8	36
39	Microsatellite Markers Associated with a Secondary Stem Solidness Locus in Wheat. <i>Crop Science</i> , 2006, 46, 1701-1703.	1.8	36
40	Registration of 'Line' Wheat. <i>Crop Science</i> , 1992, 32, 283-284.	1.8	34
41	Relationship between Baking and Noodle Quality in Hard White Spring Wheat. <i>Crop Science</i> , 1998, 38, 823-827.	1.8	32
42	Variation for stem solidness and its association with agronomic traits in spring wheat. <i>Canadian Journal of Plant Science</i> , 1995, 75, 775-780.	0.9	30
43	Reduced Amylose Effects on Bread and White Salted Noodle Quality. <i>Cereal Chemistry</i> , 2004, 81, 188-193.	2.2	30
44	Multiple origins of allopolyploid <i>Aegilops triuncialis</i> . <i>Theoretical and Applied Genetics</i> , 2003, 106, 804-810.	3.6	29
45	Association Analysis of Stem Solidness and Wheat Stem Sawfly Resistance in a Panel of North American Spring Wheat Germplasm. <i>Crop Science</i> , 2015, 55, 2046-2055.	1.8	29
46	Genome-wide Association Study of Agronomic Traits in a Spring-Planted North American Elite Hard Red Spring Wheat Panel. <i>Crop Science</i> , 2018, 58, 1838-1852.	1.8	29
47	Phylogenetic reconstruction based on low copy DNA sequence data in an allopolyploid: the B genome of wheat. <i>Genome</i> , 1999, 42, 351-60.	2.0	29
48	Influence of Genotype, Environment, and Nitrogen Management on Spring Wheat Quality. <i>Crop Science</i> , 2004, 44, 425.	1.8	26
49	Resistance to <i>Cephus cinctus</i> Norton, the wheat stem sawfly, in a recombinant inbred line population of wheat derived from two resistance sources. <i>Plant Breeding</i> , 2014, 133, 427-432.	1.9	25
50	Effect of Variation in Amylose Content and Puroindoline Composition on Bread Quality in a Hard Spring Wheat Population. <i>Cereal Chemistry</i> , 2008, 85, 266-269.	2.2	24
51	Impact of the D genome and quantitative trait loci on quantitative traits in a spring durum by spring bread wheat cross. <i>Theoretical and Applied Genetics</i> , 2015, 128, 1799-1811.	3.6	24
52	Molecular analysis of evolutionary patterns in U genome wild wheats. <i>Genome</i> , 1995, 38, 290-297.	2.0	23
53	Correlation of Genotype Performance for Agronomic and Physiological Traits in Space-Planted versus Densely Seeded Conditions. <i>Crop Science</i> , 2005, 45, 1023-1028.	1.8	22
54	Hard White Versus Hard Red Wheats: Taste Tests and Milling and Baking Properties. <i>Cereal Chemistry</i> , 2013, 90, 249-255.	2.2	22

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55	Alleles at a quantitative trait locus for stem solidness in wheat affect temporal patterns of pith expression and level of resistance to the wheat stem sawfly. <i>Plant Breeding</i> , 2016, 135, 546-551.	1.9	22
56	Identification of barley genome segments introgressed into wheat using PCR markers. <i>Genome</i> , 2001, 44, 38-44.	2.0	21
57	Genetics of End Use Quality Differences between a Modern and Historical Spring Wheat. <i>Crop Science</i> , 2014, 54, 1972-1980.	1.8	21
58	Relationship of Ethanol Yield to Agronomic and Seed Quality Characteristics of Small Grains. <i>Cereal Chemistry</i> , 2008, 85, 322-328.	2.2	19
59	Agronomic Performance of Spring Wheat as Related to Planting Date and Photoperiod Response. <i>Crop Science</i> , 2012, 52, 1633-1639.	1.8	18
60	Phenotypic and Haplotype Diversity among Tetraploid and Hexaploid Wheat Accessions with Potentially Novel Insect Resistance Genes for Wheat Stem Sawfly. <i>Plant Genome</i> , 2017, 10, plantgenome2016.03.0026.	2.8	18
61	Properties of sequence-tagged-site primer sets influencing repeatability. <i>Genome</i> , 2000, 43, 47-52.	2.0	17
62	Host plant quantitative trait loci affect specific behavioral sequences in oviposition by a stem-mining insect. <i>Theoretical and Applied Genetics</i> , 2017, 130, 187-197.	3.6	17
63	Agronomic and End Use Qualities of Wheat streak mosaic virus Resistant Spring Wheat. <i>Crop Science</i> , 2001, 41, 1779-1784.	1.8	16
64	Microsatellite Markers for Kernel Color Genes in Wheat. <i>Crop Science</i> , 2008, 48, 1419-1424.	1.8	16
65	Identification of a quantitative trait locus for resistance to <i>Sitodiplosis mosellana</i> (<i>GÄhin</i>), the orange wheat blossom midge, in spring wheat. <i>Plant Breeding</i> , 2011, 130, 25-30.	1.9	16
66	Registration of the Triticeae CAP Spring Wheat Nested Association Mapping Population. <i>Journal of Plant Registrations</i> , 2019, 13, 294-297.	0.5	16
67	Variable Production of Tetraploid and Hexaploid Progeny Lines from Spring Wheat by Durum Wheat Crosses. <i>Crop Science</i> , 2008, 48, 199-202.	1.8	15
68	Characterization of resistance to the wheat stem sawfly in spring wheat landrace accessions from targeted geographic regions of the world. <i>Euphytica</i> , 2017, 213, 1.	1.2	15
69	Identification of barley genome segments introgressed into wheat using PCR markers. <i>Genome</i> , 2001, 44, 38-44.	2.0	15
70	Phenotypic Variation and Patterns of Linkage Disequilibrium Associated with Introduced Genes in Spring Wheat. <i>Crop Science</i> , 2011, 51, 2466-2478.	1.8	14
71	Registration of Egan™ Wheat with Resistance to Orange Wheat Blossom Midge. <i>Journal of Plant Registrations</i> , 2014, 8, 298-302.	0.5	14
72	Registration of Duclair™ Hard Red Spring Wheat. <i>Journal of Plant Registrations</i> , 2011, 5, 349-352.	0.5	14

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73	Characterization of Resistance to <i>Cephus cinctus</i> (Hymenoptera: Cephidae) in Barley Germplasm. <i>Journal of Economic Entomology</i> , 2018, 111, 923-930.	1.8	10
74	A Novel QTL in Durum Wheat for Resistance to the Wheat Stem Sawfly Associated with Early Expression of Stem Solidness. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1999-2006.	1.8	10
75	Non-target site resistance to flucarbazone, imazamethabenz and pinoxaden is controlled by three linked genes in <i>Avena fatua</i> . <i>Weed Research</i> , 2018, 58, 8-16.	1.7	9
76	Evaluation of a QTL Mapping Population Composed of Hard Red Spring and Winter Wheat Alleles Using Various Marker Platforms. <i>Crop Science</i> , 2018, 58, 701-712.	1.8	9
77	Comparison of Three Alleles at a Major Solid Stem QTL for Wheat Stem Sawfly Resistance and Agronomic Performance in Hexaploid Wheat. <i>Crop Science</i> , 2019, 59, 1639-1647.	1.8	9
78	Genetic analysis of stay-green, yield, and agronomic traits in spring wheat. <i>Crop Science</i> , 2021, 61, 383-395.	1.8	9
79	Registration of Near-isogenic Hard-textured Wheat Lines Differing for Presence of a High Grain Protein Gene. <i>Journal of Plant Registrations</i> , 2008, 2, 162-164.	0.5	8
80	End-Use Quality of Hard Red and Hard White Spring Wheat Contaminated with Grain of Contrasting Classes. <i>Cereal Chemistry</i> , 2002, 79, 404-407.	2.2	6
81	Agronomic and Quality Performance of Progeny Lines Derived from Spring Wheat by Durum Wheat Crosses. <i>Cereal Chemistry</i> , 2003, 80, 717-721.	2.2	6
82	Effect of a gene for high dough strength on whole wheat baking parameters of hard white spring wheat. <i>Cereal Chemistry</i> , 2018, 95, 411-417.	2.2	6
83	Analysis of recombinant inbred line populations derived from wheat landraces to identify new genes for wheat stem sawfly resistance. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2195-2207.	3.6	6
84	Improving hexaploid spring wheat by introgression of alleles for yield component traits from durum wheat. <i>Crop Science</i> , 2020, 60, 759-771.	1.8	6
85	Registration of Russian Wheat Aphid Resistant Hard Red Spring Wheat Germplasm. <i>Crop Science</i> , 1993, 33, 1420-1420.	1.8	6
86	Allelic response of yield component traits to resource availability in spring wheat. <i>Theoretical and Applied Genetics</i> , 2021, 134, 603-620.	3.6	4
87	Registration of "Lanning"™ Hard Red Spring Wheat. <i>Journal of Plant Registrations</i> , 2016, 10, 287-290.	0.5	3
88	Registration of Spring and Winter Habit Wheat Lines Derived from Elite Cultivars of the Alternate Growth Habit. <i>Journal of Plant Registrations</i> , 2011, 5, 418-421.	0.5	3
89	Effect of wheat (<i>Triticum aestivum</i> L.) seed color and hardness genes on the consumption preference of the house mouse (<i>Mus musculus</i> L.). <i>Mammalia</i> , 2016, 80, .	0.7	2
90	Maturity Traits Related to Climate Adaptation Affect Quality Characteristics in Hard Red Spring Wheat. <i>Crop Science</i> , 2018, 58, 1954-1963.	1.8	2

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91	Registration of "Dagmar"™ hard red spring wheat. Journal of Plant Registrations, 2020, 14, 43-48.	0.5	2
92	Impact of yield component alleles from durum wheat on end-use quality of spring wheat. Cereal Chemistry, 2021, 98, 367-381.	2.2	2
93	Registration of Near-Isogenic Hard Spring Wheat Lines Differing in Puroindoline Alleles. Journal of Plant Registrations, 2007, 1, 171-172.	0.5	2
94	Registration of "WB9879CLP"™ Hard Red Spring Wheat. Journal of Plant Registrations, 2013, 7, 205-208.	0.5	2
95	Registration of Near-Isogenic Lines for Photoperiod Response in Hard Red Spring Wheat. Journal of Plant Registrations, 2015, 9, 239-243.	0.5	1
96	Registration of Near-Isogenic Spring Wheat Germplasm with All Combinations of Homozygous R-Locus Genotypes. Journal of Plant Registrations, 2013, 7, 242-244.	0.5	1
97	Registration of "NS Presser CLP"™ Hard Red Spring Wheat. Journal of Plant Registrations, 2018, 12, 70-73.	0.5	0