Luther E Talbert

List of Publications by Year
in descending order

97 papers	5,141 citations	94433 37 h-index	91884 69 g-index
97 all docs	97 docs citations	97 times ranked	4081 citing authors

#	Article	IF	Citations
1	Allelic response of yield component traits to resource availability in spring wheat. Theoretical and Applied Genetics, 2021, 134, 603-620.	3.6	4
2	Impact of yield component alleles from durum wheat on endâ€use quality of spring wheat. Cereal Chemistry, 2021, 98, 367-381.	2.2	2
3	Genetic analysis of stayâ€green, yield, and agronomic traits in spring wheat. Crop Science, 2021, 61, 383-395.	1.8	9
4	Improving hexaploid spring wheat by introgression of alleles for yield component traits from durum wheat. Crop Science, 2020, 60, 759-771.	1.8	6
5	Registration of â€˜Dagmarâ€™ hard red spring wheat. Journal of Plant Registrations, 2020, 14, 43-48.	0.5	2
6	A Novel QTL in Durum Wheat for Resistance to the Wheat Stem Sawfly Associated with Early Expression of Stem Solidness. G3: Genes, Genomes, Genetics, 2019, 9, 1999-2006.	1.8	10
7	Comparison of Three Alleles at a Major Solid Stem QTL for Wheat Stem Sawfly Resistance and Agronomic Performance in Hexaploid Wheat. Crop Science, 2019, 59, 1639-1647.	1.8	9
8	Analysis of recombinant inbred line populations derived from wheat landraces to identify new genes for wheat stem sawfly resistance. Theoretical and Applied Genetics, 2019, 132, 2195-2207.	3.6	6
9	Registration of the Triticeaeâ€CAP Spring Wheat Nested Association Mapping Population. Journal of Plant Registrations, 2019, 13, 294-297.	0.5	16
10	Characterization of Resistance to Cephus cinctus (Hymenoptera: Cephidae) in Barley Germplasm. Journal of Economic Entomology, 2018, 111, 923-930.	1.8	10
11	Effect of a gene for high dough strength on whole wheat baking parameters of hard white spring wheat. Cereal Chemistry, 2018, 95, 411-417.	2.2	6
12	Nonâ€target site resistance to flucarbazone, imazamethabenz and pinoxaden is controlled by three linked genes in Avena fatua. Weed Research, 2018, 58, 8-16.	1.7	9
13	Evaluation of a QTL Mapping Population Composed of Hard Red Spring and Winter Wheat Alleles Using Various Marker Platforms. Crop Science, 2018, 58, 701-712.	1.8	9
14	Registration of â€˜NS Presser CLPâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2018, 12, 70-73.	0.5	0
15	Maturity Traits Related to Climate Adaptation Affect Quality Characteristics in Hard Red Spring Wheat. Crop Science, 2018, 58, 1954-1963.	1.8	2
16	The genetic architecture of genomeâ€wide recombination rate variation in allopolyploid wheat revealed by nested association mapping. Plant Journal, 2018, 95, 1039-1054.	5.7	97
17	Genomeâ€wide Association Study of Agronomic Traits in a Springâ€Planted North American Elite Hard Red Spring Wheat Panel. Crop Science, 2018, 58, 1838-1852.	1.8	29
18	Discovery of a Novel Stem Rust Resistance Allele in Durum Wheat that Exhibits Differential Reactions to Ug99 Isolates. G3: Genes, Genomes, Genetics, 2017, 7, 3481-3490.	1.8	40

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19	Characterization of resistance to the wheat stem sawfly in spring wheat landrace accessions from targeted geographic regions of the world. Euphytica, 2017, 213, 1.	1.2	15
20	Host plant quantitative trait loci affect specific behavioral sequences in oviposition by a stem-mining insect. Theoretical and Applied Genetics, 2017, 130, 187-197.	3.6	17
21	Phenotypic and Haplotype Diversity among Tetraploid and Hexaploid Wheat Accessions with Potentially Novel Insect Resistance Genes for Wheat Stem Sawfly. Plant Genome, 2017, 10, plantgenome2016.03.0026.	2.8	18
22	Registration of â€˜Lanningâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2016, 10, 287-290.	0.5	3
23	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. Plant Breeding, 2016, 135, 546-551.	1.9	22
24	Markers Linked to Wheat Stem Rust Resistance Gene Sr11 Effective to Puccinia graminis f. sp. tritici Race TKTTF. Phytopathology, 2016, 106, 1352-1358.	2.2	69
25	Effect of wheat (Triticum aestivum L.) seed color and hardness genes on the consumption preference of the house mouse (Mus musculus L.). Mammalia, 2016, 80, .	0.7	2
26	Registration of Nearâ€Isogenic Lines for Photoperiod Response in Hard Red Spring Wheat. Journal of Plant Registrations, 2015, 9, 239-243.	0.5	1
27	Association Analysis of Stem Solidness and Wheat Stem Sawfly Resistance in a Panel of North American Spring Wheat Germplasm. Crop Science, 2015, 55, 2046-2055.	1.8	29
28	Impact of the D genome and quantitative trait loci on quantitative traits in a spring durum by spring bread wheat cross. Theoretical and Applied Genetics, 2015, 128, 1799-1811.	3.6	24
29	A haplotype map of allohexaploid wheat reveals distinct patterns of selection on homoeologous genomes. Genome Biology, 2015, 16, 48.	8.8	216
30	Genetics of Endâ€Use Quality Differences between a Modern and Historical Spring Wheat. Crop Science, 2014, 54, 1972-1980.	1.8	21
31	Genetic Basis of Agronomic Differences between a Modern and a Historical Spring Wheat Cultivar. Crop Science, 2014, 54, 1-13.	1.8	131
32	Registration of â€˜Eganâ€™ Wheat with Resistance to Orange Wheat Blossom Midge. Journal of Plant Registrations, 2014, 8, 298-302.	0.5	14
33	Complementary epistasis involving Sr12 explains adult plant resistance to stem rust in Thatcher wheat (Triticum aestivum L.). Theoretical and Applied Genetics, 2014, 127, 1549-1559.	3.6	71
34	Resistance to <scp>C</scp>ephus cinctus <scp>N</scp>orton, the wheat stem sawfly, in a recombinant inbred line population of wheat derived from two resistance sources. Plant Breeding, 2014, 133, 427-432.	1.9	25
35	Genome-wide comparative diversity uncovers multiple targets of selection for improvement in hexaploid wheat landraces and cultivars. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8057-8062.	7.1	1,065
36	Hard White Versus Hard Red Wheats: Taste Tests and Milling and Baking Properties. Cereal Chemistry, 2013, 90, 249-255.	2.2	22

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37	Registration of Nearâ€Isogenic Spring Wheat Germplasm with All Combinations of Homozygous R â€Locus Genotypes. Journal of Plant Registrations, 2013, 7, 242-244.	0.5	1
38	Registration of â€˜WB9879CLPâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2013, 7, 205-208.	0.5	2
39	Agronomic Performance of Spring Wheat as Related to Planting Date and Photoperiod Response. Crop Science, 2012, 52, 1633-1639.	1.8	18
40	Genetic Analysis of Green Leaf Duration in Spring Wheat. Crop Science, 2012, 52, 99-109.	1.8	62
41	Evaluation of Nearâ€Isogenic Lines for Three Heightâ€Reducing Genes in Hard Red Spring Wheat. Crop Science, 2012, 52, 1145-1152.	1.8	48
42	Identification of a quantitative trait locus for resistance to Sitodiplosis mosellana (GÃ©hin), the orange wheat blossom midge, in spring wheat. Plant Breeding, 2011, 130, 25-30.	1.9	16
43	Identification of quantitative trait loci for productive tiller number and its relationship to agronomic traits in spring wheat. Theoretical and Applied Genetics, 2011, 123, 1043-1053.	3.6	99
44	Phenotypic Variation and Patterns of Linkage Disequilibrium Associated with Introduced Genes in Spring Wheat. Crop Science, 2011, 51, 2466-2478.	1.8	14
45	Registration of Springâ€•and Winterâ€Habit Wheat Lines Derived from Elite Cultivars of the Alternate Growth Habit. Journal of Plant Registrations, 2011, 5, 418-421.	0.5	3
46	Registration of â€˜Duclairâ€™ Hard Red Spring Wheat. Journal of Plant Registrations, 2011, 5, 349-352.	0.5	14
47	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. BMC Genomics, 2010, 11, 702.	2.8	189
48	Climatic Change and Agronomic Performance of Hard Red Spring Wheat from 1950 to 2007. Crop Science, 2010, 50, 835-841.	1.8	51
49	Identification of Novel QTL for Sawfly Resistance in Wheat. Crop Science, 2010, 50, 73-86.	1.8	48
50	Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (Triticum aestivum L.). BMC Genomics, 2010, 11, 727.	2.8	234
51	Effect of Variation for Major Growth Habit Genes on Maturity and Yield in Five Spring Wheat Populations. Crop Science, 2009, 49, 1211-1220.	1.8	51
52	Cultivar Preferences of Ovipositing Wheat Stem Sawflies as Influenced by the Amount of Volatile Attractant. Journal of Economic Entomology, 2009, 102, 1009-1017.	1.8	62
53	Relationship of Ethanol Yield to Agronomic and Seed Quality Characteristics of Small Grains. Cereal Chemistry, 2008, 85, 322-328.	2.2	19
54	Effect of Variation in Amylose Content and Puroindoline Composition on Bread Quality in a Hard Spring Wheat Population. Cereal Chemistry, 2008, 85, 266-269.	2.2	24

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55	Microsatellite Markers for Kernel Color Genes in Wheat. Crop Science, 2008, 48, 1419-1424.	1.8	16
56	Variable Production of Tetraploid and Hexaploid Progeny Lines from Spring Wheat by Durum Wheat Crosses. Crop Science, 2008, 48, 199-202.	1.8	15
57	Registration of Nearâ€Isogenic Hardâ€Textured Wheat Lines Differing for Presence of a High Grain Protein Gene. Journal of Plant Registrations, 2008, 2, 162-164.	0.5	8
58	Field Evaluation of Transgenic Wheat Expressing a Modified ADP-Glucose Pyrophosphorylase Large Subunit. Crop Science, 2007, 47, 336-342.	1.8	45
59	Relationship of Flag Leaf Characteristics to Economically Important Traits in Two Spring Wheat Crosses. Crop Science, 2007, 47, 491-494.	1.8	63
60	Registration of Nearâ€Isogenic Hard Spring Wheat Lines Differing in Puroindoline Alleles. Journal of Plant Registrations, 2007, 1, 171-172.	0.5	2
61	Microsatellite Markers Associated with a Secondary Stem Solidness Locus in Wheat. Crop Science, 2006, 46, 1701-1703.	1.8	36
62	Relationship of Dough Extensibility to Dough Strength in a Spring Wheat Cross. Cereal Chemistry, 2006, 83, 255-258.	2.2	48
63	Correlation of Genotype Performance for Agronomic and Physiological Traits in Spaceâ€Planted versus Densely Seeded Conditions. Crop Science, 2005, 45, 1023-1028.	1.8	22
64	Identification of Microsatellite Markers Associated with a Stem Solidness Locus in Wheat. Crop Science, 2004, 44, 1397-1402.	1.8	74
65	Genome-specific primer sets for starch biosynthesis genes in wheat. Theoretical and Applied Genetics, 2004, 109, 1295-1302.	3.6	38
66	Reduced Amylose Effects on Bread and White Salted Noodle Quality. Cereal Chemistry, 2004, 81, 188-193.	2.2	30
67	Influence of Genotype, Environment, and Nitrogen Management on Spring Wheat Quality. Crop Science, 2004, 44, 425-432.	1.8	96
68	Influence of Genotype, Environment, and Nitrogen Management on Spring Wheat Quality. Crop Science, 2004, 44, 425.	1.8	26
69	Multiple origins of allopolyploid Aegilops triuncialis. Theoretical and Applied Genetics, 2003, 106, 804-810.	3.6	29
70	Agronomic and Quality Performance of Progeny Lines Derived from Spring Wheat by Durum Wheat Crosses. Cereal Chemistry, 2003, 80, 717-721.	2.2	6
71	Enhanced ADP-glucose pyrophosphorylase activity in wheat endosperm increases seed yield. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1724-1729.	7.1	281
72	End-Use Quality of Hard Red and Hard White Spring Wheat Contaminated with Grain of Contrasting Classes. Cereal Chemistry, 2002, 79, 404-407.	2.2	6

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73	Field Evaluation of Transgenic and Classical Sources of Wheat streak mosaic virus Resistance. Crop Science, 2002, 42, 105-110.	1.8	59
74	Field Evaluation of Transgenic and Classical Sources of Resistance. Crop Science, 2002, 42, 105.	1.8	45
75	Agronomic and Endâ€Use Qualities of Wheat streak mosaic virus Resistant Spring Wheat. Crop Science, 2001, 41, 1779-1784.	1.8	16
76	Comparative Bread Quality of White Flour and Whole Grain Flour for Hard Red Spring and Winter Wheat. Crop Science, 2001, 41, 1917-1920.	1.8	36
77	Identification of barley genome segments introgressed into wheat using PCR markers. Genome, 2001, 44, 38-44.	2.0	21
78	Grain Fill Duration in Twelve Hard Red Spring Wheat Crosses. Crop Science, 2001, 41, 1390-1395.	1.8	44
79	Identification of barley genome segments introgressed into wheat using PCR markers. Genome, 2001, 44, 38-44.	2.0	15
80	Title is missing!. Molecular Breeding, 2000, 6, 469-477.	2.1	44
81	Association of Puroindoline Sequence Type and Grain Hardness in Hard Red Spring Wheat. Crop Science, 2000, 40, 370-374.	1.8	113
82	Properties of sequence-tagged-site primer sets influencing repeatability. Genome, 2000, 43, 47-52.	2.0	17
83	Conversion of AFLP markers to sequence-specific PCR markers in barley and wheat. Theoretical and Applied Genetics, 1999, 98, 1072-1078.	3.6	133
84	Phylogenetic reconstruction based on low copy DNA sequence data in an allopolyploid: The B genome of wheat. Genome, 1999, 42, 351-360.	2.0	89
85	Phylogenetic reconstruction based on low copy DNA sequence data in an allopolyploid: the B genome of wheat. Genome, 1999, 42, 351-60.	2.0	29
86	More than one origin of hexaploid wheat is indicated by sequence comparison of low-copy DNA. Genome, 1998, 41, 402-407.	2.0	95
87	Predicting Progeny Variance from Parental Divergence in Hard Red Spring Wheat. Crop Science, 1998, 38, 243-248.	1.8	83
88	Relationship between Baking and Noodle Quality in Hard White Spring Wheat. Crop Science, 1998, 38, 823-827.	1.8	32
89	Transfer of sequence tagged site PCR markers between wheat and barley. Genome, 1996, 39, 802-810.	2.0	44
90	Development of PCR markers linked to resistance to wheat streak mosaic virus in wheat. Theoretical and Applied Genetics, 1996, 93, 463-467.	3.6	59

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91	Variation for stem solidness and its association with agronomic traits in spring wheat. Canadian Journal of Plant Science, 1995, 75, 775-780.	0.9	30
92	Molecular analysis of evolutionary patterns in U genome wild wheats. Genome, 1995, 38, 290-297.	2.0	23
93	Genetic Diversity in Hard Red Spring Wheat Based on Sequenceâ€Taggedâ€Site PCR Markers. Crop Science, 1994, 34, 1628-1632.	1.8	68
94	Evaluation of â€œsequence-tagged-siteâ€•PCR products as molecular markers in wheat. Theoretical and Applied Genetics, 1994, 87, 789-794.	3.6	127
95	Registration of â€˜McNealâ€™ Wheat. Crop Science, 1994, 34, 1126-1127.	1.8	52
96	Registration of Russian Wheat Aphid Resistant Hard Red Spring Wheat Germplasm. Crop Science, 1993, 33, 1420-1420.	1.8	6
97	Registration of â€œHiâ€Lineâ€•Wheat. Crop Science, 1992, 32, 283-284.	1.8	34