Gustavo Ariel Slafer

List of Publications by Year
in descending order

203 papers	16,601 citations	11651 70 h-index	18130 120 g-index
208 all docs	208 docs citations	208 times ranked	7420 citing authors

#	Article	IF	Citations
1	Intensifying cereal management in dryland Mediterranean agriculture: Rainfed wheat and barley responses to nitrogen fertilisation. European Journal of Agronomy, 2022, 137, 126518.	4.1	15
2	A wiring diagram to integrate physiological traits of wheat yield potential. Nature Food, 2022, 3, 318-324.	14.0	27
3	Yield Potential. , 2022, , 379-396.		1
4	Physiological drivers of responses of grains per m2 to environmental and genetic factors in wheat. Field Crops Research, 2022, 285, 108593.	5.1	18
5	Interactions between two QTLs for time to anthesis on spike development and fertility in wheat. Scientific Reports, 2021, 11, 2451.	3.3	10
6	Genotypic differences in wheat yield determinants within a NAM population based on elite parents. European Journal of Agronomy, 2021, 123, 126223.	4.1	4
7	Wheat Developmental Traits as Affected by the Interaction between Eps-7D and Temperature under Contrasting Photoperiods with Insensitive Ppd-D1 Background. Plants, 2021, 10, 547.	3.5	3
8	Phenology and Floret Development as Affected by the Interaction between Eps-7D and Ppd-D1. Plants, 2021, 10, 533.	3.5	4
9	Weight of individual wheat grains estimated from high-throughput digital images of grain area. European Journal of Agronomy, 2021, 124, 126237.	4.1	5
10	Increases in Grain Yield in Bread Wheat from Breeding and Associated Physiological Changes. , 2021, , 1-68.		38
11	Developmental patterns and rates of organogenesis across modern and well-adapted wheat cultivars. European Journal of Agronomy, 2021, 126, 126280.	4.1	3
12	Addressing Research Bottlenecks to Crop Productivity. Trends in Plant Science, 2021, 26, 607-630.	8.8	76
13	Are portable polyethylene tents reliable for imposing heat treatments in field-grown wheat?. Field Crops Research, 2021, 271, 108206.	5.1	7
14	Wheat. , 2021, , 98-163.		13
15	Earliness per seÃ—temperature interaction: consequences on leaf, spikelet, and floret development in wheat. Journal of Experimental Botany, 2020, 71, 1956-1968.	4.8	14
16	Maize senescence under contrasting source-sink ratios during the grain filling period. Environmental and Experimental Botany, 2020, 180, 104263.	4.2	17
17	Floret development and spike fertility in wheat: Differences between cultivars of contrasting yield potential and their sensitivity to photoperiod and soil N. Field Crops Research, 2020, 256, 107908.	5.1	30
18	Nitrogen utilization efficiency in wheat: A global perspective. European Journal of Agronomy, 2020, 114, 126008.	4.1	67

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19	Are awns truly relevant for wheat yields? A study of performance of awned/awnless isogenic lines and their response to sourceâ€“sink manipulations. Field Crops Research, 2020, 254, 107827.	5.1	22
20	Should the impact factor of the year of publication or the last available one be used when evaluating scientists?. Spanish Journal of Agricultural Research, 2020, 18, eM01.	0.6	1
21	Benchmarking nitrogen utilisation efficiency in wheat for Mediterranean and non-Mediterranean European regions. Field Crops Research, 2019, 241, 107573.	5.1	32
22	Earliness Per Se by Temperature Interaction on Wheat Development. Scientific Reports, 2019, 9, 2584.	3.3	47
23	Genotype by Environment Interaction and Adaptation. , 2019, , 29-71.		5
24	Crop Science and Technology, Introduction. , 2019, , 1-5.		0
25	Photoperiod-sensitivity genes shape floret development in wheat. Journal of Experimental Botany, 2019, 70, 1339-1348.	4.8	22
26	Fruiting efficiency differences between cereal species. Field Crops Research, 2019, 231, 68-80.	5.1	8
27	Physiological Basis of Genotypic Response to Management in Dryland Wheat. Frontiers in Plant Science, 2019, 10, 1644.	3.6	29
28	Dynamics of leaf and spikelet primordia initiation in wheat as affected by Ppd-1a alleles under field conditions. Journal of Experimental Botany, 2018, 69, 2621-2631.	4.8	46
29	Yield and grain weight responses to post-anthesis increases in maximum temperature under field grown wheat as modified by nitrogen supply. Field Crops Research, 2018, 221, 228-237.	5.1	46
30	Dynamics of floret initiation/death determining spike fertility in wheat as affected by Ppd genes under field conditions. Journal of Experimental Botany, 2018, 69, 2633-2645.	4.8	49
31	High-carotenoid maize: development of plant biotechnology prototypes for human and animal health and nutrition. Phytochemistry Reviews, 2018, 17, 195-209.	6.5	24
32	Maize Grain Weight Sensitivity to Sourceâ€“Sink Manipulations under a Wide Range of Field Conditions. Crop Science, 2018, 58, 2542-2557.	1.8	17
33	Wheat pre-anthesis development as affected by photoperiod sensitivity genes (Ppd-1) under contrasting photoperiods. Functional Plant Biology, 2018, 45, 645.	2.1	21
34	Can N management affect the magnitude of yield loss due to heat waves in wheat and maize?. Current Opinion in Plant Biology, 2018, 45, 276-283.	7.1	30
35	Earliness per se effects on developmental traits in hexaploid wheat grown under field conditions. European Journal of Agronomy, 2018, 99, 214-223.	4.1	17
36	Physiological determinants of fertile floret survival in wheat as affected by earliness per se genes under field conditions. European Journal of Agronomy, 2018, 99, 206-213.	4.1	25

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37	Genotype by Environment Interaction and Adaptation. , 2018, , 1-44.		10
38	Crop Science and Technology, Introduction. , 2018, , 1-5.		0
39	Yield determination, interplay between major components and yield stability in a traditional and a contemporary wheat across a wide range of environments. Field Crops Research, 2017, 203, 114-127.	5.1	76
40	Effects of ambient temperature in association with photoperiod on phenology and on the expressions of major plant developmental genes in wheat (<scp><i>Triticum aestivum</i></scp> L.). Plant, Cell and Environment, 2017, 40, 1629-1642.	5.7	44
41	Duration of developmental phases, and dynamics of leaf appearance and tillering, as affected by source and doses of photoperiod insensitivity alleles in wheat under field conditions. Field Crops Research, 2017, 214, 45-55.	5.1	27
42	Genotypic variation in spike fertility traits and ovary size as determinants of floret and grain survival rate in wheat. Journal of Experimental Botany, 2016, 67, 4221-4230.	4.8	88
43	A carotenogenic mini-pathway introduced into white corn does not affect development or agronomic performance. Scientific Reports, 2016, 6, 38288.	3.3	12
44	Agronomic assessment of the wheat semi-dwarfing gene Rht8 in contrasting nitrogen treatments and water regimes. Field Crops Research, 2016, 191, 150-160.	5.1	65
45	Sink-strength determines differences in performance between bread and durum wheat. Field Crops Research, 2016, 198, 101-111.	5.1	12
46	Variation in developmental patterns among elite wheat lines and relationships with yield, yield components and spike fertility. Field Crops Research, 2016, 196, 294-304.	5.1	36
47	Modelling the impact of heat stress on maize yield formation. Field Crops Research, 2016, 198, 226-237.	5.1	72
48	Detecting interactive effects of N fertilization and heat stress on maize productivity by remote sensing techniques. European Journal of Agronomy, 2016, 73, 11-24.	4.1	38
49	Fruiting efficiency in wheat: physiological aspects and genetic variation among modern cultivars. Field Crops Research, 2016, 191, 83-90.	5.1	34
50	Fruiting efficiency: an alternative trait to further rise wheat yield. Food and Energy Security, 2015, 4, 92-109.	4.3	135
51	Genetic variation in the critical specific leaf nitrogen maximising yield among modern maize hybrids. Field Crops Research, 2015, 172, 99-105.	5.1	6
52	Wheat Yield as Affected by Length of Exposure to Waterlogging During Stem Elongation. Journal of Agronomy and Crop Science, 2015, 201, 473-486.	3.5	57
53	Dynamics of floret development determining differences in spike fertility in an elite population of wheat. Field Crops Research, 2015, 172, 21-31.	5.1	63
54	Relationship between fruiting efficiency and grain weight in durum wheat. Field Crops Research, 2015, 177, 109-116.	5.1	40

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55	Yield response to heat stress as affected by nitrogen availability in maize. Field Crops Research, 2015, 183, 184-203.	5.1	84
56	Cereal yield in Mediterranean-type environments: challenging the paradigms on terminal drought, the adaptability of barley vs wheat and the role of nitrogen fertilization. , 2015, , 141-158.		7
57	Genetic and environmental effects on crop development determining adaptation and yield. , 2015, , 285-319.		22
58	Is time to flowering in wheat and barley influenced by nitrogen?: A critical appraisal of recent published reports. European Journal of Agronomy, 2014, 54, 40-46.	4.1	26
59	Bread and durum wheat yields under a wide range of environmental conditions. Field Crops Research, 2014, 156, 258-271.	5.1	66
60	Leaf Photosynthesis During Grain Filling Under Mediterranean Environments: Are Barley or Traditional Wheat More Efficient Than Modern Wheats?. Journal of Agronomy and Crop Science, 2014, 200, 172-182.	3.5	7
61	Wheat grain number: Identification of favourable physiological traits in an elite doubled-haploid population. Field Crops Research, 2014, 168, 126-134.	5.1	44
62	Coarse and fine regulation of wheat yield components in response to genotype and environment. Field Crops Research, 2014, 157, 71-83.	5.1	345
63	Building bridges: an integrated strategy for sustainable food production throughout the value chain. Molecular Breeding, 2013, 32, 743-770.	2.1	28
64	Understanding grain yield responses to sourceâ€“sink ratios during grain filling in wheat and barley under contrasting environments. Field Crops Research, 2013, 150, 42-51.	5.1	156
65	Seed number responses to extended photoperiod and shading during reproductive stages in indeterminate soybean. European Journal of Agronomy, 2013, 51, 91-100.	4.1	46
66	Floret development and grain setting differences between modern durum wheats under contrasting nitrogen availability. Journal of Experimental Botany, 2013, 64, 169-184.	4.8	91
67	Is floret primordia death triggered by floret development in durum wheat?. Journal of Experimental Botany, 2013, 64, 2859-2869.	4.8	50
68	Achieving yield gains in wheat. Plant, Cell and Environment, 2012, 35, 1799-1823.	5.7	459
69	Differences in yield physiology between modern, well adapted durum wheat cultivars grown under contrasting conditions. Field Crops Research, 2012, 136, 52-64.	5.1	71
70	Crop productivity as related to single-plant traits at key phenological stages in durum wheat. Field Crops Research, 2012, 138, 42-51.	5.1	39
71	Environmental modulation of yield components in cereals: Heritabilities reveal a hierarchy of phenotypic plasticities. Field Crops Research, 2012, 127, 215-224.	5.1	240
72	Nitrogen and water use efficiencies of wheat and barley under a Mediterranean environment in Catalonia. Field Crops Research, 2012, 128, 109-118.	5.1	78

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73	Differences in yield, biomass and their components between triticale and wheat grown under contrasting water and nitrogen environments. Field Crops Research, 2012, 128, 167-179.	5.1	81
74	Selection for high grain number per unit stem length through four generations from mutants in a durum wheat population to increase yields of individual plants and crops. Field Crops Research, 2012, 129, 59-70.	5.1	24
75	Modelling yield response of a traditional and a modern barley cultivar to different water and nitrogen levels in two contrasting soil types. Crop and Pasture Science, 2011, 62, 289.	1.5	5
76	Wheat floret survival as related to pre-anthesis spike growth. Journal of Experimental Botany, 2011, 62, 4889-4901.	4.8	191
77	Raising yield potential of wheat. III. Optimizing partitioning to grain while maintaining lodging resistance. Journal of Experimental Botany, 2011, 62, 469-486.	4.8	474
78	Do barley and wheat (bread and durum) differ in grain weight stability through seasons and waterâ€“nitrogen treatments in a Mediterranean location?. Field Crops Research, 2011, 121, 240-247.	5.1	29
79	Lodging yield penalties as affected by breeding in Mediterranean wheats. Field Crops Research, 2011, 122, 40-48.	5.1	105
80	Physiological attributes associated with yield and stability in selected lines of a durum wheat population. Euphytica, 2011, 180, 195-208.	1.2	42
81	IMPROVING WHEAT YIELDS THROUGH N FERTILIZATION IN MEDITERRANEAN TUNISIA. Experimental Agriculture, 2011, 47, 459-475.	0.9	23
82	Co-limitation of nitrogen and water, and yield and resource-use efficiencies of wheat and barley. Crop and Pasture Science, 2010, 61, 844.	1.5	54
83	Low red/far-red ratios delay spike and stem growth in wheat. Journal of Experimental Botany, 2010, 61, 3151-3162.	4.8	66
84	Floret development of durum wheat in response to nitrogen availability. Journal of Experimental Botany, 2010, 61, 4351-4359.	4.8	84
85	Genetic control of pre-heading phases and other traits related to development in a double-haploid barley (Hordeum vulgare L.) population. Field Crops Research, 2010, 119, 36-47.	5.1	51
86	Raising yield potential in wheat. Journal of Experimental Botany, 2009, 60, 1899-1918.	4.8	508
87	Crop Development. , 2009, , 277-308.		36
88	Variation of grain nitrogen content in relation with grain yield in old and modern Spanish wheats grown under a wide range of agronomic conditions in a Mediterranean region. Journal of Agricultural Science, 2009, 147, 657-667.	1.3	81
89	Grain number determination in an old and a modern Mediterranean wheat as affected by pre-anthesis shading. Crop and Pasture Science, 2009, 60, 271.	1.5	26
90	Radiation interception and use efficiency as affected by breeding in Mediterranean wheat. Field Crops Research, 2009, 110, 91-97.	5.1	69

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91	Grain weight, radiation interception and use efficiency as affected by sink-strength in Mediterranean wheats released from 1940 to 2005. Field Crops Research, 2009, 110, 98-105.	5.1	102
92	Yield and biomass in wheat and barley under a range of conditions in a Mediterranean site. Field Crops Research, 2009, 112, 205-213.	5.1	97
93	Genetic variability in duration of pre-heading phases and relationships with leaf appearance and tillering dynamics in a barley population. Field Crops Research, 2009, 113, 95-104.	5.1	68
94	Agronomy and plant breeding are key to combating food crisis. Nature, 2008, 453, 1177-1177.	27.8	14
95	Physiological bases of genetic gains in Mediterranean bread wheat yield in Spain. European Journal of Agronomy, 2008, 28, 162-170.	4.1	149
96	Genotypic variability and response to water stress of pre- and post-anthesis phases in triticale. European Journal of Agronomy, 2008, 28, 171-177.	4.1	66
97	Floret fertility in wheat as affected by photoperiod during stem elongation and removal of spikelets at booting. European Journal of Agronomy, 2008, 28, 301-308.	4.1	72
98	Wheat productivity in the Mediterranean Ebro Valley: Analyzing the gap between attainable and potential yield with a simulation model. European Journal of Agronomy, 2008, 28, 541-550.	4.1	69
99	Yield determination in triticale as affected by radiation in different development phases. European Journal of Agronomy, 2008, 28, 597-605.	4.1	49
100	Should crop scientists consider a journal's impact factor in deciding where to publish?. European Journal of Agronomy, 2008, 29, 208-212.	4.1	4
101	Breeding for Yield Potential and Stress Adaptation in Cereals. Critical Reviews in Plant Sciences, 2008, 27, 377-412.	5.7	638
102	Nitrogen economy in old and modern malting barleys. Field Crops Research, 2008, 106, 171-178.	5.1	54
103	Are temperature effects on weight and quality of barley grains modified by resource availability?. Australian Journal of Agricultural Research, 2008, 59, 510.	1.5	31
104	Development and Seed Number in Indeterminate Soybean as Affected by Timing and Duration of Exposure to Long Photoperiods after Flowering. Annals of Botany, 2007, 99, 925-933.	2.9	86
105	PAPER PRESENTED AT INTERNATIONAL WORKSHOP ON INCREASING WHEAT YIELD POTENTIAL, CIMMYT, OBREGON, MEXICO, 20â€"24 MARCH 2006 Sink limitations to yield in wheat: how could it be reduced?. Journal of Agricultural Science, 2007, 145, 139.	1.3	196
106	Grain weight and grain number responsiveness to pre-anthesis temperature in wheat, barley and triticale. Field Crops Research, 2007, 100, 240-248.	5.1	240
107	Simulated yield advantages of extending post-flowering development at the expense of a shorter pre-flowering development in soybean. Field Crops Research, 2007, 101, 321-330.	5.1	30
108	Variability in the Duration of Stem Elongation in Wheat and Barley Genotypes. Journal of Agronomy and Crop Science, 2007, 193, 138-145.	3.5	49

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109	Variability in the Duration of Stem Elongation in Wheat Genotypes and Sensitivity to Photoperiod and Vernalization. Journal of Agronomy and Crop Science, 2007, 193, 131-137.	3.5	35
110	Can wheat yield be assessed by early measurements of Normalized Difference Vegetation Index?. Annals of Applied Biology, 2007, 150, 253-257.	2.5	164
111	Contrasting performance of barley and wheat in a wide range of conditions in Mediterranean Catalonia (Spain). Annals of Applied Biology, 2007, 151, 167-173.	2.5	35
112	Environmental control of phenological development in two Lesquerella species. Field Crops Research, 2006, 96, 320-327.	5.1	6
113	Grain weight response to increases in number of grains in wheat in a Mediterranean area. Field Crops Research, 2006, 98, 52-59.	5.1	147
114	Breeding Effects on Nitrogen Use Efficiency of Spring Cereals under Northern Conditions. Crop Science, 2006, 46, 561-568.	1.8	104
115	Source - sink effects on grain weight of bread wheat, durum wheat, and triticale at different locations. Australian Journal of Agricultural Research, 2006, 57, 227.	1.5	73
116	Pre-anthesis development and number of fertile florets in wheat as affected by photoperiod sensitivity genes Ppd-D1and Ppd-B1. Euphytica, 2006, 146, 253-269.	1.2	126
117	Grain weight responses to post-anthesis spikelet-trimming in an old and a modern wheat under Mediterranean conditions. European Journal of Agronomy, 2006, 25, 365-371.	4.1	67
118	Grain Protein Quality in Response to Changes in Preâ€anthesis Duration in Wheats Released in 1940, 1964 and 1994. Journal of Agronomy and Crop Science, 2005, 191, 226-232.	3.5	15
119	Promising eco-physiological traits for genetic improvement of cereal yields in Mediterranean environments. Annals of Applied Biology, 2005, 146, 61-70.	2.5	248
120	Breeding effects on sensitivity of barley grain weight and quality to events of high temperature during grain filling. Euphytica, 2005, 141, 41-48.	1.2	25
121	Reproductive Allocation of Biomass and Nitrogen in Annual and Perennial Lesquerella Crops. Annals of Botany, 2005, 96, 127-135.	2.9	47
122	Reproductive development and yield components in indeterminate soybean as affected by post-flowering photoperiod. Field Crops Research, 2005, 93, 212-222.	5.1	69
123	Multiple authorship of crop science papers: are there too many co-authors?. Field Crops Research, 2005, 94, 272-276.	5.1	4
124	Floret development and survival in wheat plants exposed to contrasting photoperiod and radiation environments during stem elongation. Functional Plant Biology, 2005, 32, 189.	2.1	83
125	Photoperiod during stem elongation in wheat: is its impact on fertile floret and grain number determination similar to that of radiation?. Functional Plant Biology, 2005, 32, 181.	2.1	96
126	Physiology of Crop Yield. , 2004, , 1-4.		5

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127	Phenological Responses to Temperature of an Annual and a Perennial Lesquerella Species. Annals of Botany, 2004, 94, 139-144.	2.9	13
128	Interannual variability of wheat yield in the Argentine Pampas during the 20th century. Agriculture, Ecosystems and Environment, 2004, 103, 177-190.	5.3	23
129	Seed dry weight response to sourceâ€“sink manipulations in wheat, maize and soybean: a quantitative reappraisal. Field Crops Research, 2004, 86, 131-146.	5.1	667
130	Grain number and its relationship with dry matter, N and P in the spikes at heading in response to NÃ—P fertilization in barley. Field Crops Research, 2004, 90, 245-254.	5.1	106
131	Leaf appearance, tillering and their coordination in old and modern barleys from Argentina. Field Crops Research, 2004, 86, 23-32.	5.1	27
132	Title is missing!. Euphytica, 2003, 130, 325-334.	1.2	86
133	Title is missing!. Euphytica, 2003, 133, 291-298.	1.2	34
134	Leaf appearance, tillering and their coordination in response to NxP fertilization in barley. Plant and Soil, 2003, 255, 587-594.	3.7	37
135	Malting quality as affected by barley breeding (1944â€“1998) in Argentina. Euphytica, 2003, 134, 161-167.	1.2	11
136	Title is missing!. Euphytica, 2003, 130, 61-69.	1.2	18
137	Genetic basis of yield as viewed from a crop physiologist's perspective. Annals of Applied Biology, 2003, 142, 117-128.	2.5	288
138	Earliness per se and its dependence upon temperature in diploid wheat lines differing in the major gene Eps-Am1 alleles. Journal of Agricultural Science, 2003, 141, 149-154.	1.3	46
139	Grain and floret number in response to photoperiod during stem elongation in fully and slightly vernalized wheats. Field Crops Research, 2003, 81, 17-27.	5.1	129
140	Floret development and spike growth as affected by photoperiod during stem elongation in wheat. Field Crops Research, 2003, 81, 29-38.	5.1	128
141	Yield stability and development in two- and six-rowed winter barleys under Mediterranean conditions. Field Crops Research, 2003, 81, 109-119.	5.1	52
142	Productivity in prehistoric agriculture: physiological models for the quantification of cereal yields as an alternative to traditional approaches. Journal of Archaeological Science, 2003, 30, 681-693.	2.4	62
143	Quantitative developmental response to the length of exposure to long photoperiod in wheat and barley. Journal of Agricultural Science, 2003, 141, 159-167.	1.3	15
144	Influence of â€˜historicâ€™ photoperiod during stem elongation on the number of fertile florets in wheat. Journal of Agricultural Science, 2003, 141, 155-158.	1.3	4

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145	Plant Breeding and Drought in C3 Cereals: What Should We Breed For?. Annals of Botany, 2002, 89, 925-940.	2.9	987
146	Grain weight and malting quality in barley as affected by brief periods of increased spike temperature under field conditions. Australian Journal of Agricultural Research, 2002, 53, 1219.	1.5	36
147	Contrasting Ppd alleles in wheat: effects on sensitivity to photoperiod in different phases. Field Crops Research, 2002, 73, 95-105.	5.1	52
148	Vernalization and photoperiod responses in wheat pre-flowering reproductive phases. Field Crops Research, 2002, 74, 183-195.	5.1	106
149	FOCUS: Estimated Wheat Yields During the Emergence of Agriculture Based on the Carbon Isotope Discrimination of Grains: Evidence from a 10th Millennium BP Site on the Euphrates. Journal of Archaeological Science, 2001, 28, 341-350.	2.4	41
150	Developmental responses to sowing date in wheat, barley and rapeseed. Field Crops Research, 2001, 71, 211-223.	5.1	61
151	Photoperiod sensitivity after flowering and seed number determination in indeterminate soybean cultivars. Field Crops Research, 2001, 72, 109-118.	5.1	103
152	Photoperiod sensitivity during stem elongation as an avenue to raise potential yield in wheat. Euphytica, 2001, 119, 191-197.	1.2	129
153	The importance of the period immediately preceding anthesis for grain weight determination in wheat. Euphytica, 2001, 119, 199-204.	1.2	115
154	Responses to photoperiod before and after jointing in wheat substitution lines. Euphytica, 2001, 118, 47-51.	1.2	35
155	Duration of the stem elongation period influences the number of fertile florets in wheat and barley.. Functional Plant Biology, 2000, 27, 931.	2.1	83
156	Title is missing!. Plant and Soil, 2000, 220, 189-205.	3.7	133
157	Physiological Maturity in Wheat Based on Kernel Water and Dry Matter. Agronomy Journal, 2000, 92, 895-901.	1.8	79
158	Effect of temperature and carpel size during pre-anthesis on potential grain weight in wheat. Journal of Agricultural Science, 1999, 132, 453-459.	1.3	134
159	Final grain weight in wheat as affected by short periods of high temperature during pre- and post-anthesis under field conditions. Functional Plant Biology, 1999, 26, 453.	2.1	75
160	Has yield stability changed with genetic improvement of wheat yield?. Euphytica, 1999, 107, 51-59.	1.2	106
161	Changes in yield and yield stability in wheat during the 20th century. Field Crops Research, 1998, 57, 335-347.	5.1	203
162	Floret development in near isogenic wheat lines differing in plant height. Field Crops Research, 1998, 59, 21-30.	5.1	200

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163	Phyllochron in Wheat as Affected by Photoperiod Under Two Temperature Regimes. Functional Plant Biology, 1997, 24, 151.	2.1	44
164	Grain weight in wheat cultivars released from 1920 to 1990 as affected by post-anthesis defoliation. Journal of Agricultural Science, 1997, 128, 273-281.	1.3	67
165	CO2Effects on Phasic Development, Leaf Number and Rate of Leaf Appearance in Wheat. Annals of Botany, 1997, 79, 75-81.	2.9	26
166	Consequences of breeding on biomass, radiation interception and radiation-use efficiency in wheat. Field Crops Research, 1997, 52, 271-281.	5.1	133
167	Title is missing!. Euphytica, 1997, 97, 201-208.	1.2	102
168	Rooting patterns in near-isogenic lines of spring wheat for dwarfism. Plant and Soil, 1997, 197, 79-86.	3.7	66
169	Have changes in yield (1900-1992) been accompanied by a decreased yield stability in Australian cereal production?. Australian Journal of Agricultural Research, 1996, 47, 323.	1.5	27
170	Responses to photoperiod change with phenophase and temperature during wheat development. Field Crops Research, 1996, 46, 1-13.	5.1	80
171	Differences in phasic development rate amongst wheat cultivars independent of responses to photoperiod and vernalization. A viewpoint of the intrinsic earliness hypothesis. Journal of Agricultural Science, 1996, 126, 403-419.	1.3	85
172	Grain Weight Reductions in Wheat Associated with Semidwarfism: an Analysis of Grain Weight at Different Positions Within the Spike of Near-isogenic Lines. Journal of Agronomy and Crop Science, 1996, 177, 9-16.	3.5	11
173	Relationship Between Grain Growth and Postanthesis Leaf Area Duration in Dwarf, Semidwarf and Tall Isogenic Lines of Wheat. Journal of Agronomy and Crop Science, 1996, 177, 115-122.	3.5	25
174	Barley development as affected by rate of change of photoperiod. Journal of Agricultural Science, 1995, 124, 379-388.	1.3	17
175	Wheat Development as Affected by Radiation at Two Temperatures. Journal of Agronomy and Crop Science, 1995, 175, 249-263.	3.5	19
176	Intrinsic earliness and basic development rate assessed for their response to temperature in wheat. Euphytica, 1995, 83, 175-183.	1.2	47
177	Effects of moisture stress on leaf appearance, tillering and other aspects of development in Triticum tauschii. Euphytica, 1995, 86, 55-64.	1.2	8
178	Base and optimum temperatures vary with genotype and stage of development in wheat. Plant, Cell and Environment, 1995, 18, 671-679.	5.7	103
179	Genetic improvement in wheat yield and associated traits. A re-examination of previous results and the latest trends. Plant Breeding, 1995, 114, 108-112.	1.9	180
180	Yield, biomass and yield components in dwarf, semi-dwarf and tall isogenic lines of spring wheat under recommended and late sowing dates. Plant Breeding, 1995, 114, 392-396.	1.9	131

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181	Development in wheat as affected by timing and length of exposure to long photoperiod. Journal of Experimental Botany, 1995, 46, 1877-1886.	4.8	34
182	Assessing strategies for wheat cropping in the monsoonal climate of the Pampas using the CERES-Wheat simulation model. Field Crops Research, 1995, 42, 81-91.	5.1	91
183	Individual grain weight responses to genetic reduction in culm length in wheat as affected by source-sink manipulations. Field Crops Research, 1995, 43, 55-66.	5.1	144
184	Photoperiod Ã— temperature interactions in contrasting wheat genotypes: Time to heading and final leaf number. Field Crops Research, 1995, 44, 73-83.	5.1	51
185	Consequences of Wheat Breeding on Nitrogen and Phosphorus Yield, Grain Nitrogen and Phosphorus Concentration and Associated Traits. Annals of Botany, 1995, 76, 315-322.	2.9	102
186	Influence of photoperiod on culm length in wheat. Field Crops Research, 1995, 40, 95-99.	5.1	2
187	Rates and Cardinal Temperatures for Processes of Development in Wheat: Effects of Temperature and Thermal Amplitude. Functional Plant Biology, 1995, 22, 913.	2.1	67
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