

# Gustavo Ariel Slafer

## List of Publications by Year in descending order

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203  
papers

16,601  
citations

11639

70  
h-index

18115

120  
g-index

208  
all docs

208  
docs citations

208  
times ranked

7420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Breeding and Drought in C3 Cereals: What Should We Breed For?. <i>Annals of Botany</i> , 2002, 89, 925-940.	1.4	987
2	Seed dry weight response to source-sink manipulations in wheat, maize and soybean: a quantitative reappraisal. <i>Field Crops Research</i> , 2004, 86, 131-146.	2.3	667
3	Breeding for Yield Potential and Stress Adaptation in Cereals. <i>Critical Reviews in Plant Sciences</i> , 2008, 27, 377-412.	2.7	638
4	Raising yield potential in wheat. <i>Journal of Experimental Botany</i> , 2009, 60, 1899-1918.	2.4	508
5	Raising yield potential of wheat. III. Optimizing partitioning to grain while maintaining lodging resistance. <i>Journal of Experimental Botany</i> , 2011, 62, 469-486.	2.4	474
6	Achieving yield gains in wheat. <i>Plant, Cell and Environment</i> , 2012, 35, 1799-1823.	2.8	459
7	Coarse and fine regulation of wheat yield components in response to genotype and environment. <i>Field Crops Research</i> , 2014, 157, 71-83.	2.3	345
8	Sensitivity of Wheat Phasic Development to Major Environmental Factors: a Re-Examination of Some Assumptions Made by Physiologists and Modellers. <i>Functional Plant Biology</i> , 1994, 21, 393.	1.1	319
9	Genetic basis of yield as viewed from a crop physiologist's perspective. <i>Annals of Applied Biology</i> , 2003, 142, 117-128.	1.3	288
10	Promising eco-physiological traits for genetic improvement of cereal yields in Mediterranean environments. <i>Annals of Applied Biology</i> , 2005, 146, 61-70.	1.3	248
11	Grain weight and grain number responsiveness to pre-anthesis temperature in wheat, barley and triticale. <i>Field Crops Research</i> , 2007, 100, 240-248.	2.3	240
12	Environmental modulation of yield components in cereals: Heritabilities reveal a hierarchy of phenotypic plasticities. <i>Field Crops Research</i> , 2012, 127, 215-224.	2.3	240
13	Source-sink relationships and grain mass at different positions within the spike in wheat. <i>Field Crops Research</i> , 1994, 37, 39-49.	2.3	207
14	Changes in yield and yield stability in wheat during the 20th century. <i>Field Crops Research</i> , 1998, 57, 335-347.	2.3	203
15	Floret development in near isogenic wheat lines differing in plant height. <i>Field Crops Research</i> , 1998, 59, 21-30.	2.3	200
16	Physiological attributes related to the generation of grain yield in bread wheat cultivars released at different eras. <i>Field Crops Research</i> , 1993, 31, 351-367.	2.3	199
17	PAPER PRESENTED AT INTERNATIONAL WORKSHOP ON INCREASING WHEAT YIELD POTENTIAL, CIMMYT, OBREGON, MEXICO, 20-24 MARCH 2006 Sink limitations to yield in wheat: how could it be reduced?. <i>Journal of Agricultural Science</i> , 2007, 145, 139.	0.6	196
18	Wheat floret survival as related to pre-anthesis spike growth. <i>Journal of Experimental Botany</i> , 2011, 62, 4889-4901.	2.4	191

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19	Shading effects on the yield of an Argentinian wheat cultivar. <i>Journal of Agricultural Science</i> , 1991, 116, 1-7.	0.6	190
20	Genetic improvement in wheat yield and associated traits. A re-examination of previous results and the latest trends. <i>Plant Breeding</i> , 1995, 114, 108-112.	1.0	180
21	Can wheat yield be assessed by early measurements of Normalized Difference Vegetation Index?. <i>Annals of Applied Biology</i> , 2007, 150, 253-257.	1.3	164
22	Understanding grain yield responses to source-sink ratios during grain filling in wheat and barley under contrasting environments. <i>Field Crops Research</i> , 2013, 150, 42-51.	2.3	156
23	Physiological bases of genetic gains in Mediterranean bread wheat yield in Spain. <i>European Journal of Agronomy</i> , 2008, 28, 162-170.	1.9	149
24	Grain weight response to increases in number of grains in wheat in a Mediterranean area. <i>Field Crops Research</i> , 2006, 98, 52-59.	2.3	147
25	Individual grain weight responses to genetic reduction in culm length in wheat as affected by source-sink manipulations. <i>Field Crops Research</i> , 1995, 43, 55-66.	2.3	144
26	Genetic improvement in bread wheat ( <i>Triticum aestivum</i> ) yield in Argentina. <i>Field Crops Research</i> , 1989, 21, 289-296.	2.3	142
27	Fruiting efficiency: an alternative trait to further rise wheat yield. <i>Food and Energy Security</i> , 2015, 4, 92-109.	2.0	135
28	Effect of temperature and carpel size during pre-anthesis on potential grain weight in wheat. <i>Journal of Agricultural Science</i> , 1999, 132, 453-459.	0.6	134
29	Consequences of breeding on biomass, radiation interception and radiation-use efficiency in wheat. <i>Field Crops Research</i> , 1997, 52, 271-281.	2.3	133
30	Title is missing!. <i>Plant and Soil</i> , 2000, 220, 189-205.	1.8	133
31	Yield, biomass and yield components in dwarf, semi-dwarf and tall isogenic lines of spring wheat under recommended and late sowing dates. <i>Plant Breeding</i> , 1995, 114, 392-396.	1.0	131
32	Photoperiod sensitivity during stem elongation as an avenue to raise potential yield in wheat. <i>Euphytica</i> , 2001, 119, 191-197.	0.6	129
33	Grain and floret number in response to photoperiod during stem elongation in fully and slightly vernalized wheats. <i>Field Crops Research</i> , 2003, 81, 17-27.	2.3	129
34	Genetic-improvement effects on pre-anthesis physiological attributes related to wheat grain-yield. <i>Field Crops Research</i> , 1990, 23, 255-263.	2.3	128
35	Floret development and spike growth as affected by photoperiod during stem elongation in wheat. <i>Field Crops Research</i> , 2003, 81, 29-38.	2.3	128
36	Pre-anthesis development and number of fertile florets in wheat as affected by photoperiod sensitivity genes <i>Ppd-D1</i> and <i>Ppd-B1</i> . <i>Euphytica</i> , 2006, 146, 253-269.	0.6	126

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37	The importance of the period immediately preceding anthesis for grain weight determination in wheat. <i>Euphytica</i> , 2001, 119, 199-204.	0.6	115
38	Changes in physiological attributes of the dry matter economy of bread wheat ( <i>Triticum aestivum</i> ) through genetic improvement of grain yield potential at different regions of the world. <i>Euphytica</i> , 1991, 58, 37-49.	0.6	109
39	Developmental Base Temperature in Different Phenological Phases of Wheat ( <i>Triticum aestivum</i> ). <i>Journal of Experimental Botany</i> , 1991, 42, 1077-1082.	2.4	106
40	Has yield stability changed with genetic improvement of wheat yield?. <i>Euphytica</i> , 1999, 107, 51-59.	0.6	106
41	Vernalization and photoperiod responses in wheat pre-flowering reproductive phases. <i>Field Crops Research</i> , 2002, 74, 183-195.	2.3	106
42	Grain number and its relationship with dry matter, N and P in the spikes at heading in response to N $\ddot{A}$ -P fertilization in barley. <i>Field Crops Research</i> , 2004, 90, 245-254.	2.3	106
43	Lodging yield penalties as affected by breeding in Mediterranean wheats. <i>Field Crops Research</i> , 2011, 122, 40-48.	2.3	105
44	Breeding Effects on Nitrogen Use Efficiency of Spring Cereals under Northern Conditions. <i>Crop Science</i> , 2006, 46, 561-568.	0.8	104
45	Base and optimum temperatures vary with genotype and stage of development in wheat. <i>Plant, Cell and Environment</i> , 1995, 18, 671-679.	2.8	103
46	Photoperiod sensitivity after flowering and seed number determination in indeterminate soybean cultivars. <i>Field Crops Research</i> , 2001, 72, 109-118.	2.3	103
47	Consequences of Wheat Breeding on Nitrogen and Phosphorus Yield, Grain Nitrogen and Phosphorus Concentration and Associated Traits. <i>Annals of Botany</i> , 1995, 76, 315-322.	1.4	102
48	Title is missing!. <i>Euphytica</i> , 1997, 97, 201-208.	0.6	102
49	Grain weight, radiation interception and use efficiency as affected by sink-strength in Mediterranean wheats released from 1940 to 2005. <i>Field Crops Research</i> , 2009, 110, 98-105.	2.3	102
50	Genetic improvement of bread wheat ( <i>Triticum aestivum</i> L.) in Argentina: relationships between nitrogen and dry matter. <i>Euphytica</i> , 1990, 50, 63-71.	0.6	98
51	Yield and biomass in wheat and barley under a range of conditions in a Mediterranean site. <i>Field Crops Research</i> , 2009, 112, 205-213.	2.3	97
52	Photoperiod during stem elongation in wheat: is its impact on fertile floret and grain number determination similar to that of radiation?. <i>Functional Plant Biology</i> , 2005, 32, 181.	1.1	96
53	Assessing strategies for wheat cropping in the monsoonal climate of the Pampas using the CERES-Wheat simulation model. <i>Field Crops Research</i> , 1995, 42, 81-91.	2.3	91
54	Floret development and grain setting differences between modern durum wheats under contrasting nitrogen availability. <i>Journal of Experimental Botany</i> , 2013, 64, 169-184.	2.4	91

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55	Genotypic variation in spike fertility traits and ovary size as determinants of floret and grain survival rate in wheat. <i>Journal of Experimental Botany</i> , 2016, 67, 4221-4230.	2.4	88
56	Title is missing!. <i>Euphytica</i> , 2003, 130, 325-334.	0.6	86
57	Development and Seed Number in Indeterminate Soybean as Affected by Timing and Duration of Exposure to Long Photoperiods after Flowering. <i>Annals of Botany</i> , 2007, 99, 925-933.	1.4	86
58	Differences in phasic development rate amongst wheat cultivars independent of responses to photoperiod and vernalization. A viewpoint of the intrinsic earliness hypothesis. <i>Journal of Agricultural Science</i> , 1996, 126, 403-419.	0.6	85
59	Floret development of durum wheat in response to nitrogen availability. <i>Journal of Experimental Botany</i> , 2010, 61, 4351-4359.	2.4	84
60	Yield response to heat stress as affected by nitrogen availability in maize. <i>Field Crops Research</i> , 2015, 183, 184-203.	2.3	84
61	Duration of the stem elongation period influences the number of fertile florets in wheat and barley.. <i>Functional Plant Biology</i> , 2000, 27, 931.	1.1	83
62	Floret development and survival in wheat plants exposed to contrasting photoperiod and radiation environments during stem elongation. <i>Functional Plant Biology</i> , 2005, 32, 189.	1.1	83
63	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. <i>Journal of Agricultural Science</i> , 2009, 147, 657-667.	0.6	81
64	Differences in yield, biomass and their components between triticale and wheat grown under contrasting water and nitrogen environments. <i>Field Crops Research</i> , 2012, 128, 167-179.	2.3	81
65	Responses to photoperiod change with phenophase and temperature during wheat development. <i>Field Crops Research</i> , 1996, 46, 1-13.	2.3	80
66	Physiological Maturity in Wheat Based on Kernel Water and Dry Matter. <i>Agronomy Journal</i> , 2000, 92, 895-901.	0.9	79
67	Nitrogen and water use efficiencies of wheat and barley under a Mediterranean environment in Catalonia. <i>Field Crops Research</i> , 2012, 128, 109-118.	2.3	78
68	Yield determination, interplay between major components and yield stability in a traditional and a contemporary wheat across a wide range of environments. <i>Field Crops Research</i> , 2017, 203, 114-127.	2.3	76
69	Addressing Research Bottlenecks to Crop Productivity. <i>Trends in Plant Science</i> , 2021, 26, 607-630.	4.3	76
70	Final grain weight in wheat as affected by short periods of high temperature during pre- and post-anthesis under field conditions. <i>Functional Plant Biology</i> , 1999, 26, 453.	1.1	75
71	Source - sink effects on grain weight of bread wheat, durum wheat, and triticale at different locations. <i>Australian Journal of Agricultural Research</i> , 2006, 57, 227.	1.5	73
72	Floret fertility in wheat as affected by photoperiod during stem elongation and removal of spikelets at booting. <i>European Journal of Agronomy</i> , 2008, 28, 301-308.	1.9	72

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73	Modelling the impact of heat stress on maize yield formation. <i>Field Crops Research</i> , 2016, 198, 226-237.	2.3	72
74	Differences in yield physiology between modern, well adapted durum wheat cultivars grown under contrasting conditions. <i>Field Crops Research</i> , 2012, 136, 52-64.	2.3	71
75	Reproductive development and yield components in indeterminate soybean as affected by post-flowering photoperiod. <i>Field Crops Research</i> , 2005, 93, 212-222.	2.3	69
76	Wheat productivity in the Mediterranean Ebro Valley: Analyzing the gap between attainable and potential yield with a simulation model. <i>European Journal of Agronomy</i> , 2008, 28, 541-550.	1.9	69
77	Radiation interception and use efficiency as affected by breeding in Mediterranean wheat. <i>Field Crops Research</i> , 2009, 110, 91-97.	2.3	69
78	Genetic variability in duration of pre-heading phases and relationships with leaf appearance and tillering dynamics in a barley population. <i>Field Crops Research</i> , 2009, 113, 95-104.	2.3	68
79	Rates and Cardinal Temperatures for Processes of Development in Wheat: Effects of Temperature and Thermal Amplitude. <i>Functional Plant Biology</i> , 1995, 22, 913.	1.1	67
80	Grain weight in wheat cultivars released from 1920 to 1990 as affected by post-anthesis defoliation. <i>Journal of Agricultural Science</i> , 1997, 128, 273-281.	0.6	67
81	Grain weight responses to post-anthesis spikelet-trimming in an old and a modern wheat under Mediterranean conditions. <i>European Journal of Agronomy</i> , 2006, 25, 365-371.	1.9	67
82	Nitrogen utilization efficiency in wheat: A global perspective. <i>European Journal of Agronomy</i> , 2020, 114, 126008.	1.9	67
83	Rooting patterns in near-isogenic lines of spring wheat for dwarfism. <i>Plant and Soil</i> , 1997, 197, 79-86.	1.8	66
84	Genotypic variability and response to water stress of pre- and post-anthesis phases in triticale. <i>European Journal of Agronomy</i> , 2008, 28, 171-177.	1.9	66
85	Low red/far-red ratios delay spike and stem growth in wheat. <i>Journal of Experimental Botany</i> , 2010, 61, 3151-3162.	2.4	66
86	Bread and durum wheat yields under a wide range of environmental conditions. <i>Field Crops Research</i> , 2014, 156, 258-271.	2.3	66
87	Agronomic assessment of the wheat semi-dwarfing gene Rht8 in contrasting nitrogen treatments and water regimes. <i>Field Crops Research</i> , 2016, 191, 150-160.	2.3	65
88	Dynamics of floret development determining differences in spike fertility in an elite population of wheat. <i>Field Crops Research</i> , 2015, 172, 21-31.	2.3	63
89	Productivity in prehistoric agriculture: physiological models for the quantification of cereal yields as an alternative to traditional approaches. <i>Journal of Archaeological Science</i> , 2003, 30, 681-693.	1.2	62
90	Developmental responses to sowing date in wheat, barley and rapeseed. <i>Field Crops Research</i> , 2001, 71, 211-223.	2.3	61

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91	Wheat Yield as Affected by Length of Exposure to Waterlogging During Stem Elongation. <i>Journal of Agronomy and Crop Science</i> , 2015, 201, 473-486.	1.7	57
92	Nitrogen economy in old and modern malting barleys. <i>Field Crops Research</i> , 2008, 106, 171-178.	2.3	54
93	Co-limitation of nitrogen and water, and yield and resource-use efficiencies of wheat and barley. <i>Crop and Pasture Science</i> , 2010, 61, 844.	0.7	54
94	Contrasting Ppd alleles in wheat: effects on sensitivity to photoperiod in different phases. <i>Field Crops Research</i> , 2002, 73, 95-105.	2.3	52
95	Yield stability and development in two- and six-rowed winter barleys under Mediterranean conditions. <i>Field Crops Research</i> , 2003, 81, 109-119.	2.3	52
96	Photoperiod × temperature interactions in contrasting wheat genotypes: Time to heading and final leaf number. <i>Field Crops Research</i> , 1995, 44, 73-83.	2.3	51
97	Genetic control of pre-heading phases and other traits related to development in a double-haploid barley ( <i>Hordeum vulgare</i> L.) population. <i>Field Crops Research</i> , 2010, 119, 36-47.	2.3	51
98	Is floret primordia death triggered by floret development in durum wheat?. <i>Journal of Experimental Botany</i> , 2013, 64, 2859-2869.	2.4	50
99	Variability in the Duration of Stem Elongation in Wheat and Barley Genotypes. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 138-145.	1.7	49
100	Yield determination in triticale as affected by radiation in different development phases. <i>European Journal of Agronomy</i> , 2008, 28, 597-605.	1.9	49
101	Dynamics of floret initiation/death determining spike fertility in wheat as affected by Ppd genes under field conditions. <i>Journal of Experimental Botany</i> , 2018, 69, 2633-2645.	2.4	49
102	Intrinsic earliness and basic development rate assessed for their response to temperature in wheat. <i>Euphytica</i> , 1995, 83, 175-183.	0.6	47
103	Reproductive Allocation of Biomass and Nitrogen in Annual and Perennial <i>Lesquerella</i> Crops. <i>Annals of Botany</i> , 2005, 96, 127-135.	1.4	47
104	Earliness Per Se by Temperature Interaction on Wheat Development. <i>Scientific Reports</i> , 2019, 9, 2584.	1.6	47
105	Earliness per se and its dependence upon temperature in diploid wheat lines differing in the major gene <i>Eps-Am1</i> alleles. <i>Journal of Agricultural Science</i> , 2003, 141, 149-154.	0.6	46
106	Seed number responses to extended photoperiod and shading during reproductive stages in indeterminate soybean. <i>European Journal of Agronomy</i> , 2013, 51, 91-100.	1.9	46
107	Dynamics of leaf and spikelet primordia initiation in wheat as affected by Ppd-1a alleles under field conditions. <i>Journal of Experimental Botany</i> , 2018, 69, 2621-2631.	2.4	46
108	Yield and grain weight responses to post-anthesis increases in maximum temperature under field grown wheat as modified by nitrogen supply. <i>Field Crops Research</i> , 2018, 221, 228-237.	2.3	46

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109	Preanthesis shading effects on the number of grains of three bread wheat cultivars of different potential number of grains. <i>Field Crops Research</i> , 1994, 36, 31-39.	2.3	45
110	Phyllochron in Wheat as Affected by Photoperiod Under Two Temperature Regimes. <i>Functional Plant Biology</i> , 1997, 24, 151.	1.1	44
111	Wheat grain number: Identification of favourable physiological traits in an elite doubled-haploid population. <i>Field Crops Research</i> , 2014, 168, 126-134.	2.3	44
112	Effects of ambient temperature in association with photoperiod on phenology and on the expressions of major plant developmental genes in wheat ( <i>Triticum aestivum</i> L.). <i>Plant, Cell and Environment</i> , 2017, 40, 1629-1642.	2.8	44
113	Does temperature affect final numbers of primordia in wheat?. <i>Field Crops Research</i> , 1994, 39, 111-117.	2.3	42
114	Physiological attributes associated with yield and stability in selected lines of a durum wheat population. <i>Euphytica</i> , 2011, 180, 195-208.	0.6	42
115	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. <i>Journal of Archaeological Science</i> , 2001, 28, 341-350.	1.2	41
116	Rate of Leaf Appearance and Final Number of Leaves in Wheat: Effects of Duration and Rate of Change of Photoperiod. <i>Annals of Botany</i> , 1994, 74, 427-436.	1.4	40
117	Relationship between fruiting efficiency and grain weight in durum wheat. <i>Field Crops Research</i> , 2015, 177, 109-116.	2.3	40
118	Crop productivity as related to single-plant traits at key phenological stages in durum wheat. <i>Field Crops Research</i> , 2012, 138, 42-51.	2.3	39
119	Detecting interactive effects of N fertilization and heat stress on maize productivity by remote sensing techniques. <i>European Journal of Agronomy</i> , 2016, 73, 11-24.	1.9	38
120	Increases in Grain Yield in Bread Wheat from Breeding and Associated Physiological Changes. , 2021, , 1-68.		38
121	Leaf appearance, tillering and their coordination in response to NxP fertilization in barley. <i>Plant and Soil</i> , 2003, 255, 587-594.	1.8	37
122	Grain weight and malting quality in barley as affected by brief periods of increased spike temperature under field conditions. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 1219.	1.5	36
123	Crop Development. , 2009, , 277-308.		36
124	Variation in developmental patterns among elite wheat lines and relationships with yield, yield components and spike fertility. <i>Field Crops Research</i> , 2016, 196, 294-304.	2.3	36
125	Green Area Duration during the Grain Filling Period of an Argentine Wheat Cultivar as Influenced by Sowing Date, Temperature and Sink Strength. <i>Journal of Agronomy and Crop Science</i> , 1992, 168, 191-200.	1.7	35
126	Responses to photoperiod before and after jointing in wheat substitution lines. <i>Euphytica</i> , 2001, 118, 47-51.	0.6	35



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127	Variability in the Duration of Stem Elongation in Wheat Genotypes and Sensitivity to Photoperiod and Vernalization. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 131-137.	1.7	35
128	Contrasting performance of barley and wheat in a wide range of conditions in Mediterranean Catalonia (Spain). <i>Annals of Applied Biology</i> , 2007, 151, 167-173.	1.3	35
129	Development in wheat as affected by timing and length of exposure to long photoperiod. <i>Journal of Experimental Botany</i> , 1995, 46, 1877-1886.	2.4	34
130	Title is missing!. <i>Euphytica</i> , 2003, 133, 291-298.	0.6	34
131	Fruiting efficiency in wheat: physiological aspects and genetic variation among modern cultivars. <i>Field Crops Research</i> , 2016, 191, 83-90.	2.3	34
132	Benchmarking nitrogen utilisation efficiency in wheat for Mediterranean and non-Mediterranean European regions. <i>Field Crops Research</i> , 2019, 241, 107573.	2.3	32
133	Are temperature effects on weight and quality of barley grains modified by resource availability?. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 510.	1.5	31
134	Simulated yield advantages of extending post-flowering development at the expense of a shorter pre-flowering development in soybean. <i>Field Crops Research</i> , 2007, 101, 321-330.	2.3	30
135	Can N management affect the magnitude of yield loss due to heat waves in wheat and maize?. <i>Current Opinion in Plant Biology</i> , 2018, 45, 276-283.	3.5	30
136	Floret development and spike fertility in wheat: Differences between cultivars of contrasting yield potential and their sensitivity to photoperiod and soil N. <i>Field Crops Research</i> , 2020, 256, 107908.	2.3	30
137	Do barley and wheat (bread and durum) differ in grain weight stability through seasons and water-nitrogen treatments in a Mediterranean location?. <i>Field Crops Research</i> , 2011, 121, 240-247.	2.3	29
138	Physiological Basis of Genotypic Response to Management in Dryland Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 1644.	1.7	29
139	Building bridges: an integrated strategy for sustainable food production throughout the value chain. <i>Molecular Breeding</i> , 2013, 32, 743-770.	1.0	28
140	Have changes in yield (1900-1992) been accompanied by a decreased yield stability in Australian cereal production?. <i>Australian Journal of Agricultural Research</i> , 1996, 47, 323.	1.5	27
141	Leaf appearance, tillering and their coordination in old and modern barleys from Argentina. <i>Field Crops Research</i> , 2004, 86, 23-32.	2.3	27
142	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. <i>Field Crops Research</i> , 2017, 214, 45-55.	2.3	27
143	A wiring diagram to integrate physiological traits of wheat yield potential. <i>Nature Food</i> , 2022, 3, 318-324.	6.2	27
144	Postanthesis green area duration in a semidwarf and a standard-height wheat cultivar as affected by sink strength. <i>Australian Journal of Agricultural Research</i> , 1994, 45, 1337.	1.5	26

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145	CO <sub>2</sub> Effects on Phasic Development, Leaf Number and Rate of Leaf Appearance in Wheat. <i>Annals of Botany</i> , 1997, 79, 75-81.	1.4	26
146	Grain number determination in an old and a modern Mediterranean wheat as affected by pre-anthesis shading. <i>Crop and Pasture Science</i> , 2009, 60, 271.	0.7	26
147	Is time to flowering in wheat and barley influenced by nitrogen?: A critical appraisal of recent published reports. <i>European Journal of Agronomy</i> , 2014, 54, 40-46.	1.9	26
148	Relationship Between Grain Growth and Postanthesis Leaf Area Duration in Dwarf, Semidwarf and Tall Isogenic Lines of Wheat. <i>Journal of Agronomy and Crop Science</i> , 1996, 177, 115-122.	1.7	25
149	Breeding effects on sensitivity of barley grain weight and quality to events of high temperature during grain filling. <i>Euphytica</i> , 2005, 141, 41-48.	0.6	25
150	Physiological determinants of fertile floret survival in wheat as affected by earliness per se genes under field conditions. <i>European Journal of Agronomy</i> , 2018, 99, 206-213.	1.9	25
151	Development Rate in Wheat as Affected by Duration and Rate of Change of Photoperiod. <i>Annals of Botany</i> , 1994, 73, 671-677.	1.4	24
152	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. <i>Field Crops Research</i> , 2012, 129, 59-70.	2.3	24
153	High-carotenoid maize: development of plant biotechnology prototypes for human and animal health and nutrition. <i>Phytochemistry Reviews</i> , 2018, 17, 195-209.	3.1	24
154	Fruiting Efficiency in three Bread Wheat ( <i>Triticum aestivum</i> ) Cultivars Released at Different Eras. Number of Grains per Spike and Grain Weight. <i>Journal of Agronomy and Crop Science</i> , 1993, 170, 251-260.	1.7	23
155	Interannual variability of wheat yield in the Argentine Pampas during the 20th century. <i>Agriculture, Ecosystems and Environment</i> , 2004, 103, 177-190.	2.5	23
156	IMPROVING WHEAT YIELDS THROUGH N FERTILIZATION IN MEDITERRANEAN TUNISIA. <i>Experimental Agriculture</i> , 2011, 47, 459-475.	0.4	23
157	Genetic and environmental effects on crop development determining adaptation and yield. , 2015, , 285-319.		22
158	Photoperiod-sensitivity genes shape floret development in wheat. <i>Journal of Experimental Botany</i> , 2019, 70, 1339-1348.	2.4	22
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