Victor O Sadras

List of Publications by Year
in descending order

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271 papers	13,150 citations	18479 62 h-index	38392 95 g-index
279 all docs	279 docs citations	279 times ranked	8569 citing authors

#	Article	IF	Citations
1	Climate change and its consequences for viticulture. , 2022, , 727-778.		15
2	Functional crop types are more important than diversity for the productivity, profit and risk of crop sequences in the inner Argentinean Pampas. Agricultural Systems, 2022, 196, 103333.	6.1	6
3	Selection for yield shifted the proportion of oil and protein in favor of low-energy seed fractions in soybean. Field Crops Research, 2022, 279, 108446.	5.1	5
4	Carbon isotope composition for agronomic diagnostic: Predicting yield and yield response to nitrogen in wheat. Field Crops Research, 2022, 279, 108451.	5.1	1
5	Spatial and temporal variation in drought types for wheat in Argentina and its association with actual yield and fertilization rate. Field Crops Research, 2022, 280, 108469.	5.1	5
6	Responses of yield and water use efficiency to the interaction between water supply and plastic film mulch in winter wheat-summer fallow system. Agricultural Water Management, 2022, 266, 107545.	5.6	14
7	Explaining pre-emptive acclimation by linking information to plant phenotype. Journal of Experimental Botany, 2022, 73, 5213-5234.	4.8	12
8	The Interaction Between Nitrogen Supply and Light Quality Modulates Plant Growth and Resource Allocation. Frontiers in Plant Science, 2022, 13, .	3.6	7
9	Genetic basis and adaptive implications of temperature-dependent and temperature-independent effects of drought on chickpea reproductive phenology. Journal of Experimental Botany, 2022, 73, 4981-4995.	4.8	2
10	Agronomic and on-farm infrastructure adaptations to manage economic risk in Australian irrigated broadacre systems: A case study. Agricultural Water Management, 2022, 269, 107740.	5.6	10
11	Clade-dependent effects of drought on nitrogen fixation and its components â€“ Number, size, and activity of nodules in legumes. Field Crops Research, 2022, 284, 108586.	5.1	0
12	Selection for yield over five decades favored anisohydric and phenological adaptations to early-season drought in Australian wheat. Plant and Soil, 2022, 476, 511-526.	3.7	6
13	Genetic yield gain between 1942 and 2013 and associated changes in phenology, yield components and root traits of Australian barley. Plant and Soil, 2022, 480, 151-163.	3.7	4
14	Matching NPK fertilization to summer rainfall for improved wheat production and reduced environmental cost. Field Crops Research, 2022, 286, 108613.	5.1	7
15	Modelling phenology to probe for trade-offs between frost and heat risk in lentil and faba bean. European Journal of Agronomy, 2021, 122, 126154.	4.1	18
16	Legume-oilseed intercropping in mechanised broadacre agriculture â€“ a review. Field Crops Research, 2021, 260, 107980.	5.1	40
17	Impact of late pruning and elevated ambient temperature on Shiraz wine chemical and sensory attributes. Australian Journal of Grape and Wine Research, 2021, 27, 42-51.	2.1	6
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19	Chickpea. , 2021, , 342-358.		3
20	Genetic improvement of crop yield, grain protein and nitrogen use efficiency of wheat, rice and maize in China. Advances in Agronomy, 2021, , 203-252.	5.2	20
21	Nitrogen and water supply modulate the effect of elevated temperature on wheat yield. European Journal of Agronomy, 2021, 124, 126227.	4.1	13
22	Partialâ€ƒfilm mulch returns the same gains in yield and water use efficiency as fullâ€ƒfilm mulch with reduced cost and lower pollution: a metaâ€ƒanalysis. Journal of the Science of Food and Agriculture, 2021, 101, 5956-5962.	3.5	7
23	Lentil yield and crop growth rate are coupled under stress but uncoupled under favourable conditions. European Journal of Agronomy, 2021, 126, 126266.	4.1	13
24	Impacts of vegetative and reproductive plasticity associated with tillering in maize crops in low-yielding environments: A physiological framework. Field Crops Research, 2021, 265, 108107.	5.1	18
25	Highâ€throughput phenotyping of plant growth rate to screen for waterlogging tolerance in lentil. Journal of Agronomy and Crop Science, 2021, 207, 995-1005.	3.5	7
26	The role of plant labile carbohydrates and nitrogen on wheat-aphid relationsÂ. Scientific Reports, 2021, 11, 12529.	3.3	6
27	Australian Lentil Breeding Between 1988 and 2019 Has Delivered Greater Yield Gain Under Stress Than Under High-Yield Conditions. Frontiers in Plant Science, 2021, 12, 674327.	3.6	12
28	Phenotypic plasticity in relation to inter-cultivar variation of garlic (Allium sativum L.) functional performance and yield-stability in response to water availability. Scientia Horticulturae, 2021, 285, 110128.	3.6	5
29	Symmetric response to competition in binary mixtures of cultivars associates with genetic gain in wheat yield. Evolutionary Applications, 2021, 14, 2064-2078.	3.1	14
30	Critical developmental period for grain yield and grain protein concentration in lentil. Field Crops Research, 2021, 270, 108203.	5.1	5
31	Evolutionary and ecological perspectives on the wheat phenotype. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211259.	2.6	11
32	Assessing environment types for maize, soybean, and wheat in the United States as determined by spatio-temporal variation in drought and heat stress. Agricultural and Forest Meteorology, 2021, 307, 108513.	4.8	18
33	A global meta-analysis of split nitrogen application for improved wheat yield and grain protein content. Soil and Tillage Research, 2021, 213, 105111.	5.6	26
34	Field pea. , 2021, , 320-341.		1
35	Allometric analysis reveals enhanced reproductive allocation in historical set of soybean varieties. Field Crops Research, 2020, 248, 107717.	5.1	12
36	Co-limitation and stoichiometry capture the interacting effects of nitrogen and sulfur on maize yield and nutrient use efficiency. European Journal of Agronomy, 2020, 113, 125973.	4.1	17

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37	Agricultural technology is unavoidable, directional, combinatory, disruptive, unpredictable and has unintended consequences. Outlook on Agriculture, 2020, 49, 293-297.	3.4	3
38	Allometric relationships between nitrogen uptake and transpiration to untangle interactions between nitrogen supply and drought in maize and sorghum. European Journal of Agronomy, 2020, 120, 126145.	4.1	27
39	High temperature during the budswell phase of grapevines increases shoot water transport capacity. Agricultural and Forest Meteorology, 2020, 295, 108173.	4.8	13
40	On waterâ€use efficiency, boundary functions, and yield gaps: French and Schultz insight and legacy. Crop Science, 2020, 60, 2187-2191.	1.8	12
41	Aphid Resistance: An Overlooked Ecological Dimension of Nonstructural Carbohydrates in Cereals. Frontiers in Plant Science, 2020, 11, 937.	3.6	13
42	Making science more effective for agriculture. Advances in Agronomy, 2020, , 153-177.	5.2	34
43	Simple regression models to estimate light interception in wheat crops with Sentinelâ€2 and a handheld sensor. Crop Science, 2020, 60, 1607-1616.	1.8	13
44	The transgenerational effects of solar short-UV radiation differed in two accessions of Vicia faba L. from contrasting UV environments. Journal of Plant Physiology, 2020, 248, 153145.	3.5	6
45	A method for simulating risk profiles of wheat yield in data-sparse conditions. Journal of Agricultural Science, 2020, 158, 833-844.	1.3	2
46	Dual-purpose winter wheat: interactions between crop management, availability of nitrogen and weather conditions. Field Crops Research, 2019, 241, 107579.	5.1	19
47	Yield determination and the critical period of faba bean (Vicia faba L.). Field Crops Research, 2019, 241, 107575.	5.1	24
48	Phenotypic and genetic analysis of pod wall ratio, phenology and yield components in field pea. Field Crops Research, 2019, 241, 107551.	5.1	9
49	Benchmarking nitrogen utilisation efficiency in wheat for Mediterranean and non-Mediterranean European regions. Field Crops Research, 2019, 241, 107573.	5.1	32
50	Interactive effects of high temperature and water deficit on Malbec grapevines. Australian Journal of Grape and Wine Research, 2019, 25, 345-356.	2.1	24
51	Effective Phenotyping Applications Require Matching Trait and Platform and More Attention to Theory. Frontiers in Plant Science, 2019, 10, 1339.	3.6	8
52	Wheat yield response to nitrogen from the perspective of intraspecific competition. Field Crops Research, 2019, 243, 107632.	5.1	8
53	Responses of flavonoid profile and associated gene expression to solar blue and UV radiation in two accessions of Vicia faba L. from contrasting UV environments. Photochemical and Photobiological Sciences, 2019, 18, 434-447.	2.9	26
54	Defining upper limits of nitrogen uptake and nitrogen use efficiency of potato in response to crop N supply. Field Crops Research, 2019, 239, 38-46.	5.1	38

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55	Accounting for soil moisture improves prediction of flowering time in chickpea and wheat. Scientific Reports, 2019, 9, 7510.	3.3	40
56	Increasing co-limitation of water and nitrogen drives genetic yield gain in Australian wheat. European Journal of Agronomy, 2019, 106, 23-29.	4.1	12
57	Allometric approach to crop nutrition and implications for crop diagnosis and phenotyping. A review. Agronomy for Sustainable Development, 2019, 39, 1.	5.3	67
58	Phenotypic plasticity of grain and hay quality in varieties and advanced lines from the Australian oat breeding program. European Journal of Agronomy, 2019, 102, 23-32.	4.1	12
59	Assessing variation in maize grain nitrogen concentration and its implications for estimating nitrogen balance in the US North Central region. Field Crops Research, 2019, 240, 185-193.	5.1	29
60	Stay-green associates with low water soluble carbohydrates at flowering in oat. Field Crops Research, 2019, 230, 132-138.	5.1	10
61	Simple scaling of climate inputs allows robust extrapolation of modelled wheat yield risk at a continental scale. Climate Risk Management, 2019, 23, 101-113.	3.2	2
62	Root pruning enhances wheat yield, harvest index and water-use efficiency in semiarid area. Field Crops Research, 2019, 230, 62-71.	5.1	14
63	Effects of Late Pruning and Elevated Temperature on Phenology, Yield Components, and Berry Traits in Shiraz. American Journal of Enology and Viticulture, 2019, 70, 9-18.	1.7	20
64	Changes in the Phenotype of Winter Wheat Varieties Released Between 1920 and 2016 in Response to In-Furrow Fertilizer: Biomass Allocation, Yield, and Grain Protein Concentration. Frontiers in Plant Science, 2019, 10, 1786.	3.6	43
65	Hypoxia in grape berries: the role of seed respiration and lenticels on the berry pedicel and the possible link to cell death. Journal of Experimental Botany, 2018, 69, 2071-2083.	4.8	40
66	Nitrogen fertilization modifies maize yield response to tillage and stubble in a sub-humid tropical environment. Field Crops Research, 2018, 223, 113-124.	5.1	23
67	Benchmarking wheat yield against crop nitrogen status. Field Crops Research, 2018, 222, 153-163.	5.1	19
68	Water use efficiency in perennial forage species: Interactions between nitrogen nutrition and water deficit. Field Crops Research, 2018, 222, 1-11.	5.1	61
69	Comparison of sensitive stages of wheat, barley, canola, chickpea and field pea to temperature and water stress across Australia. Agricultural and Forest Meteorology, 2018, 248, 275-294.	4.8	95
70	Relationship between rainfall-adjusted nitrogen nutrition index and yield of wheat in Western Australia. Journal of Plant Nutrition, 2018, 41, 2637-2643.	1.9	8
71	Interplay between nitrogen fertilizer and biological nitrogen fixation in soybean: implications on seed yield and biomass allocation. Scientific Reports, 2018, 8, 17502.	3.3	61
72	Shifts in Soybean Yield, Nutrient Uptake, and Nutrient Stoichiometry: A Historical Synthesisâ€Analysis. Crop Science, 2018, 58, 43-54.	1.8	51

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73	Intraspecific competition in oat varieties selected for grain yield and milling. Crop and Pasture Science, 2018, 69, 673.	1.5	4
74	Nitrogen supply and sink demand modulate the patterns of leaf senescence in maize. Field Crops Research, 2018, 225, 92-103.	5.1	43
75	Effect of water stress and elevated temperature on hypoxia and cell death in the mesocarp of Shiraz berries. Australian Journal of Grape and Wine Research, 2018, 24, 487-497.	2.1	24
76	Water Stress Scatters Nitrogen Dilution Curves in Wheat. Frontiers in Plant Science, 2018, 9, 406.	3.6	29
77	Precision agriculture based on crop physiological principles improves whole-farm yield and profit: A case study. European Journal of Agronomy, 2018, 99, 62-71.	4.1	44
78	Waterâ€“Nitrogen Colimitation in Grain Crops. Advances in Agronomy, 2018, , 231-274.	5.2	45
79	Late pruning impacts on chemical and sensory attributes of Shiraz wine. Australian Journal of Grape and Wine Research, 2018, 24, 469-477.	2.1	16
80	Water productivity of rainfed maize and wheat: A local to global perspective. Agricultural and Forest Meteorology, 2018, 259, 364-373.	4.8	70
81	Effect of straw mulch and seeding rate on the harvest index, yield and water use efficiency of winter wheat. Scientific Reports, 2018, 8, 8167.	3.3	16
82	Interactive effects of warming and water deficit on Shiraz vine transpiration in the Barossa Valley, Australia. Oeno One, 2018, 52, 189-202.	1.4	17
83	Estimating yield gaps at the cropping system level. Field Crops Research, 2017, 206, 21-32.	5.1	73
84	Associations between yield, intercepted radiation and radiation-use efficiency in chickpea. Crop and Pasture Science, 2017, 68, 140.	1.5	9
85	Synergy between breeding for yield in winter wheat and high-input agriculture in North-West China. Field Crops Research, 2017, 209, 136-143.	5.1	9
86	Tailoring NPK fertilizer application to precipitation for dryland winter wheat in the Loess Plateau. Field Crops Research, 2017, 209, 88-95.	5.1	49
87	Evaluation of historic Australian wheat varieties reveals increased grain yield and changes in senescence patterns but limited adaptation to tillage systems. Field Crops Research, 2017, 206, 65-73.	5.1	41
88	Pruning after budburst to delay and spread grape maturity. Australian Journal of Grape and Wine Research, 2017, 23, 378-389.	2.1	48
89	Oat phenotypes for drought adaptation and yield potential. Field Crops Research, 2017, 212, 135-144.	5.1	26
90	Late pruning and carry-over effects on phenology, yield components and berry traits in Shiraz. Australian Journal of Grape and Wine Research, 2017, 23, 390-398.	2.1	33

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91	Shifts in nitrogen and phosphorus uptake and allocation in response to selection for yield in Chinese winter wheat. Crop and Pasture Science, 2017, 68, 807.	1.5	20
92	Light-mediated self-organization of sunflower stands increases oil yield in the field. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7975-7980.	7.1	46
93	Five decades of selection for yield reduced root length density and increased nitrogen uptake per unit root length in Australian wheat varieties. Plant and Soil, 2017, 413, 181-192.	3.7	118
94	Resilience of grapevine yield in response to warming. Oeno One, 2017, 51, .	1.4	15
95	Patterns of water stress and temperature for Australian chickpea production. Crop and Pasture Science, 2016, 67, 204.	1.5	33
96	Crop Development and Growth. , 2016, , 141-158.		3
97	Plant Density and Competition. , 2016, , 159-168.		4
98	Radiation Interception, Radiation Use Efficiency and Crop Productivity. , 2016, , 169-188.		12
99	Effects of Water Stress on Crop Production. , 2016, , 189-204.		11
100	Interactions between water and nitrogen in Australian cropping systems: physiological, agronomic, economic, breeding and modelling perspectives. Crop and Pasture Science, 2016, 67, 1019.	1.5	102
101	The importance of water-soluble carbohydrates in the theoretical framework for nitrogen dilution in shoot biomass of wheat. Field Crops Research, 2016, 193, 196-200.	5.1	27
102	The critical period for yield determination in oat (Avena sativa L.). Field Crops Research, 2016, 199, 109-116.	5.1	34
103	Negative association between chickpea response to competition and crop yield: Phenotypic and genetic analysis. Field Crops Research, 2016, 196, 409-417.	5.1	21
104	Screening chickpea for adaptation to water stress: Associations between yield and crop growth rate. European Journal of Agronomy, 2016, 81, 86-91.	4.1	14
105	N and S concentration and stoichiometry in soybean during vegetative growth: Dynamics of indices for diagnosing the S status. Field Crops Research, 2016, 198, 140-147.	5.1	12
106	Phenotypic plasticity and its genetic regulation for yield, nitrogen fixation and Î´¹³C in chickpea crops under varying water regimes. Journal of Experimental Botany, 2016, 67, 4339-4351.	4.8	50
107	Neither crop genetics nor crop management can be optimised. Field Crops Research, 2016, 189, 75-83.	5.1	40
108	Soybean shows an attenuated nitrogen dilution curve irrespective of maturity group and sowing date. Field Crops Research, 2016, 186, 1-9.	5.1	26

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109	Yield and water use efficiency of wheat in the Loess Plateau: Responses to root pruning and defoliation. Field Crops Research, 2015, 179, 6-11.	5.1	24
110	Diagnosis of S deficiency in soybean crops: Performance of S and N:S determinations in leaf, shoot and seed. Field Crops Research, 2015, 180, 167-175.	5.1	34
111	Unscrambling confounded effects of sowing date trials to screen for crop adaptation to high temperature. Field Crops Research, 2015, 177, 1-8.	5.1	38
112	Impact of elevated temperature and water deficit on the chemical and sensory profiles of Barossa Shiraz grapes and wines. Australian Journal of Grape and Wine Research, 2015, 21, 240-253.	2.1	90
113	Adaptation of wheat, barley, canola, field pea and chickpea to the thermal environments of Australia. Crop and Pasture Science, 2015, 66, 1137.	1.5	63
114	Effect of irrigation and tree density on vegetative growth, oil yield and water use efficiency in young olive orchard under arid conditions in Mendoza, Argentina. Irrigation Science, 2015, 33, 429-440.	2.8	30
115	Facets of the maximum crop yield problem. Field Crops Research, 2015, 182, 1-2.	5.1	1
116	Review: critical appraisal of methods to investigate the effect of temperature on grapevine berry composition. Australian Journal of Grape and Wine Research, 2015, 21, 1-17.	2.1	70
117	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
118	Crop physiology: applications for breeding and agronomy. , 2015, , 1-14.		6
119	Improvement of crop yield in dry environments: benchmarks, levels of organisation and the role of nitrogen. Journal of Experimental Botany, 2014, 65, 1981-1995.	4.8	131
120	Water use efficiency of dryland maize in the Loess Plateau of China in response to crop management. Field Crops Research, 2014, 163, 55-63.	5.1	144
121	How do phosphorus, potassium and sulphur affect plant growth and biological nitrogen fixation in crop and pasture legumes? A meta-analysis. Field Crops Research, 2014, 156, 161-171.	5.1	168
122	Nitrogen utilization efficiency in maize as affected by hybrid and N rate in late-sown crops. Field Crops Research, 2014, 168, 27-37.	5.1	58
123	The critical period for yield determination in chickpea (Cicer arietinum L.). Field Crops Research, 2014, 168, 1-7.	5.1	50
124	How reliable are crop production data? Case studies in USA and Argentina. Food Security, 2014, 6, 447-459.	5.3	12
125	Coarse and fine regulation of wheat yield components in response to genotype and environment. Field Crops Research, 2014, 157, 71-83.	5.1	345
126	Independent genetic control of maize (Zea mays L.) kernel weight determination and its phenotypic plasticity. Journal of Experimental Botany, 2014, 65, 4479-4487.	4.8	29

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127	Quantifying crop nitrogen status for comparisons of agronomic practices and genotypes. Field Crops Research, 2014, 164, 54-64.	5.1	113
128	Nonlinear effects of elevated temperature on grapevine phenology. Agricultural and Forest Meteorology, 2013, 173, 107-115.	4.8	71
129	Screening field pea for adaptation to water and heat stress: Associations between yield, crop growth rate and seed abortion. Field Crops Research, 2013, 150, 63-73.	5.1	40
130	Modelling long-term effects of cropping intensification reveals increased water and radiation productivity in the South-eastern Pampas. Field Crops Research, 2013, 149, 300-311.	5.1	26
131	Water use efficiency of dryland wheat in the Loess Plateau in response to soil and crop management. Field Crops Research, 2013, 151, 9-18.	5.1	130
132	Elevated temperature and water stress accelerate mesocarp cell death and shrivelling, and decouple sensory traits in Shiraz berries. Irrigation Science, 2013, 31, 1317-1331.	2.8	48
133	Effects of elevated temperature in grapevine. I Berry sensory traits. Australian Journal of Grape and Wine Research, 2013, 19, 95-106.	2.1	47
134	Asymmetric warming effect on the yield and source:sink ratio of field-grown grapevine. Agricultural and Forest Meteorology, 2013, 173, 116-126.	4.8	19
135	The phenotype and the components of phenotypic variance of crop traits. Field Crops Research, 2013, 154, 255-259.	5.1	26
136	Effects of elevated temperature in grapevine. II juice pH, titratable acidity and wine sensory attributes. Australian Journal of Grape and Wine Research, 2013, 19, 107-115.	2.1	76
137	Effect of elevated temperature on the onset and rate of mesocarp cell death in berries of Shiraz and Chardonnay and its relationship with berry shrivel. Australian Journal of Grape and Wine Research, 2013, 19, 87-94.	2.1	35
138	Nitrogen and water-use efficiency of Australian wheat varieties released between 1958 and 2007. European Journal of Agronomy, 2013, 46, 34-41.	4.1	124
139	Spatial impact of projected changes in rainfall and temperature on wheat yields in Australia. Climatic Change, 2013, 117, 163-179.	3.6	55
140	Water and thermal regimes for field pea in Australia and their implications for breeding. Crop and Pasture Science, 2012, 63, 33.	1.5	54
141	Maize Evapotranspiration and Waterâ€Use Efficiency in Response to Row Spacing. Agronomy Journal, 2012, 104, 939-944.	1.8	64
142	Agronomic and environmental drivers of population size and symbiotic performance of Rhizobium leguminosarum bv. viciae in Mediterranean-type environments. Crop and Pasture Science, 2012, 63, 467.	1.5	18
143	A large-scale, open-top system to increase temperature in realistic vineyard conditions. Agricultural and Forest Meteorology, 2012, 154-155, 187-194.	4.8	27
144	Elevated temperature altered the reaction norms of stomatal conductance in field-grown grapevine. Agricultural and Forest Meteorology, 2012, 165, 35-42.	4.8	50

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145	Special issue on water management in grapevines. Irrigation Science, 2012, 30, 335-337.	2.8	26
146	Environmental modulation of yield components in cereals: Heritabilities reveal a hierarchy of phenotypic plasticities. Field Crops Research, 2012, 127, 215-224.	5.1	240
147	Modelled yield and water use efficiency of maize in response to crop management and Southern Oscillation Index in a soil-climate transect in Argentina. Field Crops Research, 2012, 130, 8-18.	5.1	21
148	Photosynthetic traits in Australian wheat varieties released between 1958 and 2007. Field Crops Research, 2012, 134, 19-29.	5.1	66
149	Contribution of summer rainfall and nitrogen to the yield and water use efficiency of wheat in Mediterranean-type environments of South Australia. European Journal of Agronomy, 2012, 36, 41-54.	4.1	64
150	Modelling the intraspecific variation in the dynamics of fruit growth, oil and water concentration in olive (Olea europaea L.). European Journal of Agronomy, 2012, 38, 83-93.	4.1	32
151	Predicting the time course of grape ripening. Australian Journal of Grape and Wine Research, 2012, 18, 48-56.	2.1	23
152	Elevated temperature decouples anthocyanins and sugars in berries of Shiraz and Cabernet Franc. Australian Journal of Grape and Wine Research, 2012, 18, 115-122.	2.1	243
153	Quantifying the onset, rate and duration of sugar accumulation in berries from commercial vineyards in contrasting climates of Australia. Australian Journal of Grape and Wine Research, 2011, 17, 190-198.	2.1	28
154	Climate shifts in south-eastern Australia: early maturity of Chardonnay, Shiraz and Cabernet Sauvignon is associated with early onset rather than faster ripening. Australian Journal of Grape and Wine Research, 2011, 17, 199-205.	2.1	78
155	Genetic gain in yield and associated changes in phenotype, trait plasticity and competitive ability of South Australian wheat varieties released between 1958 and 2007. Crop and Pasture Science, 2011, 62, 533.	1.5	208
156	Phenotypic plasticity of stem water potential correlates with crop load in horticultural trees. Tree Physiology, 2011, 31, 494-499.	3.1	25
157	Effects of the source:sink ratio on the phenotypic plasticity of stem water potential in olive (Olea) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	24
158	Yield response to plant density of maize and sunflower intercropped with soybean. Field Crops Research, 2011, 121, 423-429.	5.1	88
159	Phenotypic plasticity of yield and agronomic traits in cereals and rapeseed at high latitudes. Field Crops Research, 2011, 124, 261-269.	5.1	48
160	Contradictions in host plant resistance to pests: spider mite (Tetranychus urticae Koch) behaviour undermines the potential resistance of smoothâ€leaved cotton (Gossypium hirsutum) Tj ETQq0 0 0 rgBT /Overlock 10	3.4	7
161	Yield and Quality of Wheat and Soybean in Soleâ€and Doubleâ€Cropping. Agronomy Journal, 2011, 103, 1081-1089.	1.8	54
162	A water-centred framework to assess the effects of salinity on the growth and yield of wheat and barley. Plant and Soil, 2010, 336, 377-389.	3.7	94

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163	Effect of fruit load on oil yield components and dynamics of fruit growth and oil accumulation in olive (Olea europaea L.). European Journal of Agronomy, 2010, 32, 249-254.	4.1	57
164	The interplay between the effectiveness of the grassâ€endophyte mutualism and the genetic variability of the host plant. Evolutionary Applications, 2010, 3, 538-546.	3.1	37
165	Modelling the nitrogen-driven trade-off between nitrogen utilisation efficiency and water use efficiency of wheat in eastern Australia. Field Crops Research, 2010, 118, 297-305.	5.1	61
166	Mechanisms of Cotton Resistance to Arthropod Herbivory. , 2010, , 213-228.		8
167	Undamaged cotton plants yield more if their neighbour is damaged: implications for pest management. Bulletin of Entomological Research, 2009, 99, 467-478.	1.0	7
168	Shiraz vines maintain yield in response to a 2â€“4Â°C increase in maximum temperature using an open-top heating system at key phenostages. European Journal of Agronomy, 2009, 31, 250-258.	4.1	52
169	Does partial root-zone drying improve irrigation water productivity in the field? A meta-analysis. Irrigation Science, 2009, 27, 183-190.	2.8	143
170	Suboptimal temperature favors reserve formation in biennial carrot (Daucus carota) plants. Physiologia Plantarum, 2009, 137, 10-21.	5.2	13
171	Do plant parts compete for resources? An evolutionary viewpoint. New Phytologist, 2009, 183, 565-574.	7.3	102
172	Phenotypic plasticity of yield and phenology in wheat, sunflower and grapevine. Field Crops Research, 2009, 110, 242-250.	5.1	115
173	Sustainable Agriculture and Crop Physiology. , 2009, , 1-20.		5
174	Irrigated Shiraz vines (Vitis vinifera) upregulate gas exchange and maintain berry growth in response to short spells of high maximum temperature in the field. Functional Plant Biology, 2009, 36, 801.	2.1	76
175	Whither Crop Physiology?. , 2009, , 545-570.		4
176	Modelling heatwaves in viticultural regions of southeastern Australia. Australian Meteorological Magazine, 2009, 58, 249-262.	0.4	6
177	Advancement of grapevine maturity in Australia between 1993 and 2006: putative causes, magnitude of trends and viticultural consequences. Australian Journal of Grape and Wine Research, 2008, 14, 33-45.	2.1	154
178	Climate drivers of red wine quality in four contrasting Australian wine regions. Australian Journal of Grape and Wine Research, 2008, 14, 78-90.	2.1	47
179	Modelling variety-dependent dynamics of soluble solids and water in berries ofVitis vinifera. Australian Journal of Grape and Wine Research, 2008, 14, 250.	2.1	38
180	Seed Size Variation in Grain Crops: Allometric Relationships between Rate and Duration of Seed Growth. Crop Science, 2008, 48, 408-416.	1.8	43

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