John A Kirkegaard

List of Publications by Year
in descending order

175	14,250	18482 62	22166 113
papers	citations	h-index	g-index

177	177	177	10985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MYC2 Differentially Modulates Diverse Jasmonate-Dependent Functions inArabidopsis. Plant Cell, 2007, 19, 2225-2245.	6.6	947
2	Traits and selection strategies to improve root systems and water uptake in water-limited wheat crops. Journal of Experimental Botany, 2012, 63, 3485-3498.	4.8	643
3	Network analysis reveals functional redundancy and keystone taxa amongst bacterial and fungal communities during organic matter decomposition in an arable soil. Soil Biology and Biochemistry, 2016, 97, 188-198.	8.8	617
4	Break crop benefits in temperate wheat production. Field Crops Research, 2008, 107, 185-195.	5.1	404
5	Biofumigation and Enhanced Biodegradation: Opportunity and Challenge in Soilborne Pest and Disease Management. Critical Reviews in Plant Sciences, 2006, 25, 235-265.	5.7	354
6	Stable soil organic matter: A comparison of C:N:P:S ratios in Australian and other world soils. Geoderma, 2011, 163, 197-208.	5.1	350
7	Impact of subsoil water use on wheat yield. Australian Journal of Agricultural Research, 2007, 58, 303.	1.5	330
8	The distribution and abundance of wheat roots in a dense, structured subsoil â€“ implications for water uptake. Plant, Cell and Environment, 2010, 33, 133-148.	5.7	307
9	Biofumigation potential of brassicas. Plant and Soil, 1998, 201, 103-112.	3.7	297
10	Evolution of bacterial communities in the wheat crop rhizosphere. Environmental Microbiology, 2015, 17, 610-621.	3.8	297
11	Biofumigation: Isothiocyanates released frombrassica roots inhibit growth of the take-all fungus. Plant and Soil, 1994, 162, 107-112.	3.7	294
12	Carbon-nutrient stoichiometry to increase soil carbon sequestration. Soil Biology and Biochemistry, 2013, 60, 77-86.	8.8	278
13	Break crops and rotations for wheat. Crop and Pasture Science, 2015, 66, 523.	1.5	277
14	Beyond conservation agriculture. Frontiers in Plant Science, 2015, 6, 870.	3.6	269
15	Biofumigation potential of brassicas. Plant and Soil, 1998, 201, 71-89.	3.7	259
16	Nutrient availability limits carbon sequestration in arable soils. Soil Biology and Biochemistry, 2014, 68, 402-409.	8.8	240
17	Isothiocyanate release from soil-incorporated Brassica tissues. Soil Biology and Biochemistry, 2002, 34, 1683-1690.	8.8	217
18	Subsoil amelioration by plant-roots - the process and the evidence. Soil Research, 1995, 33, 221.	1.1	204

#	Article	IF	Citations
19	Increasing productivity by matching farming system management and genotype in water-limited environments. Journal of Experimental Botany, 2010, 61, 4129-4143.	4.8	196
20	Glucosinolates and biofumigation: fate of glucosinolates and their hydrolysis products in soil. Phytochemistry Reviews, 2009, 8, 299-310.	6.5	185
21	Root and shoot glucosinolates: a comparison of their diversity, function and interactions in natural and managed ecosystems. Phytochemistry Reviews, 2009, 8, 171-186.	6.5	180
22	Evolution in cropâ€“livestock integration systems that improve farm productivity and environmental performance in Australia. European Journal of Agronomy, 2014, 57, 10-20.	4.1	177
23	Sense and nonsense in conservation agriculture: Principles, pragmatism and productivity in Australian mixed farming systems. Agriculture, Ecosystems and Environment, 2014, 187, 133-145.	5.3	152
24	Rootâ€“Root Interactions: Towards A Rhizosphere Framework. Trends in Plant Science, 2016, 21, 209-217.	8.8	149
25	A rapid, controlled-environment seedling root screen for wheat correlates well with rooting depths at vegetative, but not reproductive, stages at two field sites. Annals of Botany, 2013, 112, 447-455.	2.9	146
26	Break-crop benefits to wheat in Western Australia â€“ insights from over three decades of research. Crop and Pasture Science, 2012, 63, 1.	1.5	145
27	Early sowing systems can boost Australian wheat yields despite recent climate change. Nature Climate Change, 2019, 9, 244-247.	18.8	141
28	Benefits of increased soil exploration by wheat roots. Field Crops Research, 2011, 122, 118-130.	5.1	139
29	Soil coring at multiple field environments can directly quantify variation in deep root traits to select wheat genotypes for breeding. Journal of Experimental Botany, 2014, 65, 6231-6249.	4.8	134
30	Comparison of canola, Indian mustard and Linola in two contrasting environments. I. Effects of nitrogen fertilizer on dry-matter production, seed yield and seed quality. Field Crops Research, 1997, 49, 107-125.	5.1	131
31	Water and temperature stress define the optimal flowering period for wheat in south-eastern Australia. Field Crops Research, 2017, 209, 108-119.	5.1	127
32	Digging Deeper for Agricultural Resources, the Value of Deep Rooting. Trends in Plant Science, 2020, 25, 406-417.	8.8	127
33	In vitro suppression of fungal root pathogens of cereals by Brassica tissues. Plant Pathology, 1996, 45, 593-603.	2.4	126
34	Effect of Brassica break crops on the growth and yield of wheat. Australian Journal of Agricultural Research, 1994, 45, 529.	1.5	122
35	Improved subsoil macroporosity following perennial pastures. Australian Journal of Experimental Agriculture, 2004, 44, 299.	1.0	118
36	In vitro inhibition of soil microorganisms by 2-phenylethyl isothiocyanate. Plant Pathology, 2002, 51, 585-593.	2.4	115

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37	Glucosinolate and isothiocyanate concentration in soil following incorporation of Brassica biofumigants. Soil Biology and Biochemistry, 2006, 38, 2255-2264.	8.8	113
38	Biofumigation potential of brassicas. Plant and Soil, 1998, 201, 91-101.	3.7	112
39	Rhizosphere biology and crop productivityâ€"a review. Soil Research, 2006, 44, 299.	1.1	107
40	Impacts of soil damage by grazing livestock on crop productivity. Soil and Tillage Research, 2011, 113, 19-29.	5.6	107
41	A wheat genotype developed for rapid leaf growth copes well with the physical and biological constraints of unploughed soil. Functional Plant Biology, 2005, 32, 695.	2.1	106
42	Root penetration rate - a benchmark to identify soil and plant limitations to rooting depth in wheat. Australian Journal of Experimental Agriculture, 2007, 47, 590.	1.0	105
43	Yield improvement and adaptation of wheat to water-limited environments in Australiaâ€"a case study. Crop and Pasture Science, 2014, 65, 676.	1.5	101
44	Field studies on the biofumigation of take-all by Brassica break crops. Australian Journal of Agricultural Research, 2000, 51, 445.	1.5	97
45	Comparison of canola, Indian mustard and Linola in two contrasting environments. II. Break-crop and nitrogen effects on subsequent wheat crops. Field Crops Research, 1997, 52, 179-191.	5.1	96
46	Longer coleoptiles improve emergence through crop residues to increase seedling number and biomass in wheat (Triticum aestivum L.). Plant and Soil, 2005, 272, 87-100.	3.7	87
47	Re-evaluating the contribution of summer fallow rain to wheat yield in southern Australia. Crop and Pasture Science, 2011, 62, 915.	1.5	87
48	Root system-based limits to agricultural productivity and efficiency: the farming systems context. Annals of Botany, 2016, 118, 573-592.	2.9	84
49	Dual-purpose canolaâ€"a new opportunity in mixed farming systems. Australian Journal of Agricultural Research, 2008, 59, 291.	1.5	82
50	Impacts of Brassica break-crops on soil biology and yield of following wheat crops. Australian Journal of Agricultural Research, 2004, 55, 1.	1.5	81
51	Effect of previous crops on crown rot and yield of durum and bread wheat in northern NSW. Australian Journal of Agricultural Research, 2004, 55, 321.	1.5	81
52	Improving water productivity in the Australian Grains industryâ€"a nationally coordinated approach. Crop and Pasture Science, 2014, 65, 583.	1.5	79
53	Inorganic Nutrients Increase Humification Efficiency and C-Sequestration in an Annually Cropped Soil. PLoS ONE, 2016, 11, e0153698.	2.5	75
54	Changes in microbial biomass and organic matter levels during the first year of modified tillage and stubble management practices on a red earth. Soil Research, 1994, 32, 1339.	1.1	74

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55	Reduced growth of autumn-sown wheat in a low-P soil is associated with high colonisation by arbuscular mycorrhizal fungi. Plant and Soil, 2005, 270, 275-286.	3.7	74
56	The agronomic relevance of arbuscular mycorrhizas in the fertility of Australian extensive cropping systems. Agriculture, Ecosystems and Environment, 2012, 163, 37-53.	5.3	74
57	Soil strength and rate of root elongation alter the accumulation of Pseudomonas spp. and other bacteria in the rhizosphere of wheat. Functional Plant Biology, 2003, 30, 483.	2.1	70
58	The critical period for yield and quality determination in canola (Brassica napus L.). Field Crops Research, 2018, 222, 180-188.	5.1	70
59	Seasonal variation in the value of subsoil water to wheat: simulation studies in southern New South Wales. Australian Journal of Agricultural Research, 2007, 58, 1115.	1.5	70
60	Microorganisms and nutrient stoichiometry as mediators of soil organic matter dynamics. Nutrient Cycling in Agroecosystems, 2020, 117, 273-298.	2.2	68
61	Water-use efficiency of dryland canola in an equi-seasonal rainfall environment. Australian Journal of Agricultural Research, 2005, 56, 1373.	1.5	67
62	Magnitude and mechanisms of persistent crop sequence effects on wheat. Field Crops Research, 2014, 164, 154-165.	5.1	67
63	Optimising grain yield and grazing potential of crops across Australiaâ€™s high-rainfall zone: a simulation analysis. 1. Wheat. Crop and Pasture Science, 2015, 66, 332.	1.5	67
64	Distribution of glucosinolates and sulphurâ€rich cells in roots of fieldâ€grown canola (<i>Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.3	66
65	Fast winter wheat phenology can stabilise flowering date and maximise grain yield in semi-arid Mediterranean and temperate environments. Field Crops Research, 2018, 223, 12-25.	5.1	66
66	Environmental and genotypic control of time to flowering in canola and Indian mustard. Australian Journal of Agricultural Research, 2002, 53, 793.	1.5	65
67	A tillering inhibition gene influences rootâ€“shoot carbon partitioning and pattern of water use to improve wheat productivity in rainfed environments. Journal of Experimental Botany, 2016, 67, 327-340.	4.8	65
68	Increasing mycorrhizal colonisation does not improve growth and nutrition of wheat on Vertosols in south-eastern Australia. Australian Journal of Agricultural Research, 2002, 53, 1173.	1.5	60
69	Reduced growth and yield of wheat with conservation cropping. I. Field studies in the first year of the cropping phase. Australian Journal of Agricultural Research, 1994, 45, 511.	1.5	58
70	Glucosinolate profiles of Australian canola (Brassica napus annua L.) and Indian mustard (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50, 315.	1.5	58
71	Reduced growth and yield of wheat with conservation cropping. II. Soil biological factors limit growth under direct drilling. Australian Journal of Agricultural Research, 1995, 46, 75.	1.5	56
72	Using dual-purpose crops in sheep-grazing systems. Journal of the Science of Food and Agriculture, 2014, 94, 1276-1283.	3.5	52

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73	Optimising grain yield and grazing potential of crops across Australiaâ€™s high-rainfall zone: a simulation analysis. 2. Canola. Crop and Pasture Science, 2015, 66, 349.	1.5	50
74	Farming system context drives the value of deep wheat roots in semi-arid environments. Journal of Experimental Botany, 2016, 67, 3665-3681.	4.8	50
75	The inorganic nutrient cost of building soil carbon. Carbon Management, 2014, 5, 265-268.	2.4	49
76	Genetic gains in NSW wheat cultivars from 1901 to 2014 as revealed from synchronous flowering during the optimum period. European Journal of Agronomy, 2018, 98, 1-13.	4.1	46
77	Drivers of trends in Australian canola productivity and future prospects. Crop and Pasture Science, 2016, 67, i.	1.5	46
78	Re-evaluating sowing time of spring canola (Brassica napus L.) in south-eastern Australiaâ€”how early is too early?. Crop and Pasture Science, 2016, 67, 381.	1.5	44
79	Bacterial community response to tillage and nutrient additions in a long-term wheat cropping experiment. Soil Biology and Biochemistry, 2013, 58, 281-292.	8.8	43
80	Soil mineral nitrogen benefits derived from legumes and comparisons of the apparent recovery of legume or fertiliser nitrogen by wheat. Soil Research, 2017, 55, 600.	1.1	43
81	Rhizosphere microbial communities associated with Rhizoctonia damage at the field and disease patch scale. Applied Soil Ecology, 2014, 78, 37-47.	4.3	42
82	Effect of blackleg and sclerotinia stem rot on canola yield in the high rainfall zone of southern New South Wales, Australia. Australian Journal of Agricultural Research, 2006, 57, 201.	1.5	41
83	Pathways of infection of Brassica napus roots by Leptosphaeria maculans. New Phytologist, 2007, 176, 211-222.	7.3	41
84	Growth, recovery, and yield of dual-purpose canola (Brassica napus) in the medium-rainfall zone of south-eastern Australia. Crop and Pasture Science, 2012, 63, 635.	1.5	41
85	Enhanced accumulation of mineral-N following canola. Australian Journal of Experimental Agriculture, 1999, 39, 587.	1.0	40
86	Nitrogen mineralisation in relation to previous crops and pastures. Soil Research, 2006, 44, 355.	1.1	40
87	Brassica crops stimulate soil mineral N accumulation. Soil Research, 2006, 44, 367.	1.1	40
88	Refining crop and livestock management for dual-purpose spring canola (Brassica napus). Crop and Pasture Science, 2012, 63, 429.	1.5	39
89	Prospects to utilise intercrops and crop variety mixtures in mechanised, rain-fed, temperate cropping systems. Crop and Pasture Science, 2016, 67, 1252.	1.5	39
90	Economic, policy, and social trends and challenges of introducing oilseed and pulse crops into dryland wheat cropping systems. Agriculture, Ecosystems and Environment, 2018, 253, 177-194.	5.3	39

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91	Crop and livestock production for dual-purpose winter canola (Brassica napus) in the high-rainfall zone of south-eastern Australia. Field Crops Research, 2014, 156, 30-39.	5.1	38
92	Dual-purpose cropping â€“ capitalising on potential grain crop grazing to enhance mixed-farming profitability. Crop and Pasture Science, 2015, 66, i.	1.5	38
93	Defining optimal sowing and flowering periods for canola in Australia. Field Crops Research, 2019, 235, 118-128.	5.1	37
94	Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 2. Pasture and livestock production. Crop and Pasture Science, 2015, 66, 377.	1.5	36
95	Comparison of canola, Indian mustard and Linola in two contrasting environments. Field Crops Research, 2002, 79, 153-172.	5.1	34
96	Making science more effective for agriculture. Advances in Agronomy, 2020, , 153-177.	5.2	34
97	ASSESSING THE BIOFUMIGATION POTENTIAL OF CRUCIFERS. Acta Horticulturae, 1998, , 105-112.	0.2	33
98	Crucifer-legume cover crop mixtures for biocontrol: Toward a new multi-service paradigm. Advances in Agronomy, 2019, , 55-139.	5.2	33
99	The effect of soil strength on the growth of pigeonpea radicles and seedlings. Plant and Soil, 1992, 140, 65-74.	3.7	32
100	Reduced early growth of direct drilled wheat in southern New South Wales - role of root inhibitory pseudomonads. Australian Journal of Agricultural Research, 2002, 53, 323.	1.5	31
101	The strategic use of minimum tillage within conservation agriculture in southern New South Wales, Australia. Soil and Tillage Research, 2019, 193, 17-26.	5.6	31
102	Toward a Better Understanding of Genotype Ã— Environment Ã— Management Interactionsâ€”A Global Wheat Initiative Agronomic Research Strategy. Frontiers in Plant Science, 2020, 11, 828.	3.6	31
103	Short-term effects of tillage and stubble management on earthworm populations in cropping systems in southern New South Wales. Australian Journal of Agricultural Research, 1994, 45, 1587.	1.5	30
104	Effect of defoliation by grazing or shoot removal on the root growth of field-grown wheat (Triticum aestivum L.). Crop and Pasture Science, 2015, 66, 249.	1.5	29
105	Glucosinolates in Brassica juncea and resistance to Australian isolates of Leptosphaeria maculans, the blackleg fungus. Australasian Plant Pathology, 1999, 28, 95.	1.0	28
106	Physiological response of spring canola (Brassica napus) to defoliation in diverse environments. Field Crops Research, 2012, 125, 61-68.	5.1	28
107	The realities of climate change, conservation agriculture and soil carbon sequestration. Global Change Biology, 2020, 26, 3188-3189.	9.5	28
108	Impact of magnesium - sodium supplementation on liveweight gains of young sheep grazing dual-purpose cereal or canola crops. Animal Production Science, 2012, 52, 1027.	1.3	28

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109	Resistance of Brassicaceae plants to root-knot nematode (Meloidogynespp.) in northern Australia. International Journal of Pest Management, 2006, 52, 53-62.	1.8	27
110	Prospects for yield improvement in the Australian wheat industry: a perspective. Food and Energy Security, 2016, 5, 107-122.	4.3	27
111	Novel wheat varieties facilitate deep sowing to beat the heat of changing climates. Nature Climate Change, 2022, 12, 291-296.	18.8	27
112	What is limiting canola yield in southern New South Wales? A diagnosis of causal factors. Australian Journal of Experimental Agriculture, 2007, 47, 1435.	1.0	25
113	Soil carbon sequestration to depth in response to long-term phosphorus fertilization of grazed pasture. Geoderma, 2019, 338, 226-235.	5.1	25
114	Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 3. An extrapolation to whole-farm grazing potential, productivity and profitability. Crop and Pasture Science, 2015, 66, 390.	1.5	24
115	Sheep grazing on crop residues do not reduce crop yields in no-till, controlled traffic farming systems in an equi-seasonal rainfall environment. Field Crops Research, 2016, 196, 22-32.	5.1	24
116	Invasion, development, growth and egg laying by Meloidogyne javanica in Brassicaceae crops. Nematology, 2001, 3, 463-472.	0.6	23
117	Forage and grain yield of diverse canola (Brassica napus) maturity types in the high-rainfall zone of Australia. Crop and Pasture Science, 2015, 66, 260.	1.5	23
118	The effect of compaction on the growth of pigeonpea on clay soils. I. Mechanisms of crop response and seasonal effects on a vertisol in a sub-humid environment. Soil and Tillage Research, 1992, 24, 107-127.	5.6	22
119	Crucifer glucosinolate production in legume-crucifer cover crop mixtures. European Journal of Agronomy, 2018, 96, 22-33.	4.1	22
120	Integrating dual-purpose wheat and canola into high-rainfall livestock systems in south-eastern Australia. 1. Crop forage and grain yield. Crop and Pasture Science, 2015, 66, 365.	1.5	21
121	Genotype Ã— management strategies to stabilise the flowering time of wheat in the south-eastern Australian wheatbelt. Crop and Pasture Science, 2018, 69, 547.	1.5	21
122	Microbial interkingdom associations across soil depths reveal network connectivity and keystone taxa linked to soil fine-fraction carbon content. Agriculture, Ecosystems and Environment, 2021, 320, 107559.	5.3	21
123	Does water and phosphorus uptake limit leaf growth of Rhizoctonia-infected wheat seedlings?. Plant and Soil, 1999, 209, 157-166.	3.7	20
124	A review of organic carbon accumulation in soils within the agricultural context of southern New South Wales, Australia. Field Crops Research, 2015, 184, 177-182.	5.1	20
125	Diversity and Evolution of Rainfed Farming Systems in Southern Australia. , 2011, , 715-754.		20
126	Deep Soil Water-Use Determines the Yield Benefit of Long-Cycle Wheat. Frontiers in Plant Science, 2020, 11, 548.	3.6	19

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127	Growth Suppression of Canola Through Wheat Stubble I. Separating Physical and Biochemical Causes in the Field. Plant and Soil, 2006, 281, 203-218.	3.7	18
128	Evaluating the feasibility of dual-purpose canola in a medium-rainfall zone of south-eastern Australia: a simulation approach. Crop and Pasture Science, 2015, 66, 318.	1.5	18
129	Dynamic crop sequencing in Western Australian cropping systems. Crop and Pasture Science, 2015, 66, 594.	1.5	18
130	Digging roots is easier with AI. Journal of Experimental Botany, 2021, 72, 4680-4690.	4.8	17
131	Exploiting genotype Ã— management interactions to increase rainfed crop production: a case study from south-eastern Australia. Journal of Experimental Botany, 2021, 72, 5189-5207.	4.8	17
132	Prospects for summer cover crops in southern Australian semi-arid cropping systems. Agricultural Systems, 2022, 200, 103415.	6.1	17
133	Extraction and Determination of Glucosinolates from Soil. Journal of Agricultural and Food Chemistry, 2005, 53, 9663-9667.	5.2	16
134	Dual-purpose cereals offer increased productivity across diverse regions of Australiaâ€™s high rainfall zone. Field Crops Research, 2018, 227, 119-131.	5.1	16
135	Research must use a systems agronomy approach if management of the arbuscular mycorrhizal symbiosis is to contribute to sustainable intensification. New Phytologist, 2019, 222, 1176-1178.	7.3	16
136	Impacts of retained wheat stubble on canola in southern New South Wales. Australian Journal of Experimental Agriculture, 2005, 45, 421.	1.0	16
137	Forage canola (Brassica napus): spring-sown winter canola for biennial dual-purpose use in the high-rainfall zone of southern Australia. Crop and Pasture Science, 2015, 66, 275.	1.5	15
138	Trends in grain production and yield gaps in the high-rainfall zone of southern Australia. Crop and Pasture Science, 2016, 67, 921.	1.5	15
139	The effect of compaction on the growth of pigeonpea on clay soils. II. Mechanisms of crop response and seasonal effects on an oxisol in a humid coastal environment. Soil and Tillage Research, 1992, 24, 129-147.	5.6	14
140	Genetically vigorous wheat genotypes maintain superior early growth in no-till soils. Plant and Soil, 2014, 377, 127-144.	3.7	14
141	Small effects of deferment of annual pastures through grazing spring wheat crops in Western Australia can benefit livestock productivity. Crop and Pasture Science, 2015, 66, 410.	1.5	13
142	Management practices that maximise gross margins in Australian canola (Brassica napus L.). Field Crops Research, 2020, 252, 107803.	5.1	13
143	Involvement of root inhibitory Pseudomonas spp. in the poor early growth of direct drilled wheat: studies in intact cores. Australian Journal of Agricultural Research, 2001, 52, 845.	1.5	13
144	Evaluating the contribution of take-all control to the break-crop effect in wheat. Crop and Pasture Science, 2013, 64, 563.	1.5	12

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145	Growth Suppression of Canola through Wheat Stubble II. Investigating Impacts of Hypocotyl Elongation using Simulated Stubble. Plant and Soil, 2006, 281, 219-231.	3.7	11
146	Incremental transformation: Success from farming system synergy. Outlook on Agriculture, 2019, 48, 105-112.	3.4	11
147	Regrowth of spring canola (Brassica napus) after defoliation. Plant and Soil, 2013, 372, 655-668.	3.7	10
148	Biofumigation for Plant Disease Controlâ€“ from the Fundamentals to the Farming System. , 0, , 172-195.		9
149	Improving the performance of canola in retained wheat stubble. Australian Journal of Agricultural Research, 2006, 57, 1203.	1.5	9
150	Defoliation of Brassica napus increases severity of blackleg caused by Leptosphaeria maculans: implications for dualâ€purpose cropping. Annals of Applied Biology, 2010, 157, 71-80.	2.5	8
151	Accurate measurement of resistant soil organic matter and its stoichiometry. European Journal of Soil Science, 2016, 67, 695-705.	3.9	8
152	Canola. , 2021, , 518-549.		8
153	Contribution of Rhizoctonia to reduced seedling growth of direct-drilled wheat: studies with intact cores. Australian Journal of Agricultural Research, 1997, 48, 1231.	1.5	8
154	Impact of tillage on lupin growth and the incidence of pathogenic fungi in southern New South Wales. Australian Journal of Experimental Agriculture, 2004, 44, 53.	1.0	7
155	Effect of defoliation by livestock on stem canker caused by Leptosphaeria maculans in Brassica napus. Plant Pathology, 2013, 62, 346-354.	2.4	7
156	Soil fertility and nutrients mediate soil carbon dynamics following residue incorporation. Nutrient Cycling in Agroecosystems, 2020, 116, 205-221.	2.2	7
157	Interactions of Spring Cereal Genotypic Attributes and Recovery of Grain Yield After Defoliation. Frontiers in Plant Science, 2020, 11, 607.	3.6	7
158	Low nitrogen use efficiency of dual-purpose crops: Causes and cures. Field Crops Research, 2021, 267, 108129.	5.1	7
159	Effect of compaction on the growth of pigeonpea on clay soils. III. Effect of soil type and water regime on plant response. Soil and Tillage Research, 1993, 26, 163-178.	5.6	6
160	Utilising dual-purpose crops in an Australian high-rainfall livestock production system to increase meat and wool production. 1. Forage production and crop yields. Animal Production Science, 2021, 61, 1062-1073.	1.3	6
161	Effect of root rot and stem canker caused by Leptosphaeria maculans on yield of Brassica napus and measures for control in the field. Crop and Pasture Science, 2010, 61, 50.	1.5	5
162	Carbon stability in a texture contrast soil in response to depth and long-term phosphorus fertilisation of grazed pasture. Soil Research, 2020, 58, 21.	1.1	5

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163	Agronomic management combining early-sowing on establishment opportunities, cultivar options and adequate nitrogen is critical for canola (Brassica napus) productivity and profit in low-rainfall environments. Crop and Pasture Science, 2020, 71, 807.	1.5	5
164	Soil carbon dynamics following the transition of permanent pasture to cereal cropping: influence of initial soil fertility, lime application and nutrient addition. Crop and Pasture Science, 2020, 71, 23.	1.5	4
165	Epidemiology of root rot caused by Leptosphaeria maculans in Brassica napus crops. European Journal of Plant Pathology, 2009, 125, 189-202.	1.7	3
166	Strategic tillage of a long-term, no-till soil has little impact on soil characteristics or crop growth over five years. Crop and Pasture Science, 2020, 71, 945.	1.5	3
167	Inheritance of root glucosinolate content in canola. Australian Journal of Agricultural Research, 2001, 52, 745.	1.5	3
168	Strategies to improve field establishment of canola: A review. Advances in Agronomy, 2022, , 133-177.	5.2	3
169	Lime and Nutrient Addition Affects the Dynamics and Fractions of Soil Carbon in a Short-term Incubation Study With 13C-Labeled Wheat Straw. Soil Science, 2019, 184, 43-51.	0.9	2
170	Corrigendum to: Optimising grain yield and grazing potential of crops across Australiaâ€™s high-rainfall zone: a simulation analysis. 1. Wheat. Crop and Pasture Science, 2016, 67, 117.	1.5	2
171	Gravel-associated organic material is important to quantify soil carbon and nitrogen stocks to depth in an agricultural cropping soil. Soil Research, 2021, , .	1.1	1
172	Effects of some crop management practices on reproduction of Meloidogyne javanica on Brassica napus. Nematology, 2002, 4, 381-386.	0.6	0
173	Reply to Short Comment on: 'Nitrogen mineralisation in relation to previous crops and pastures'. Soil Research, 2007, 45, 402.	1.1	0
174	Preface: Soil biology in Australian farming systems. Soil Research, 2006, 44, I.	1.1	0
175	Nitrogen Fertiliser Immobilisation and Uptake in the Rhizospheres of Wheat and Canola. Agronomy, 2021, 11, 2507.	3.0	0