Christopher Preston

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162 papers	5,867 citations	41 h-index	72 g-index
166 ext. papers	6,491 ext. citations	3.7 avg, IF	5.85 L-index

#	Paper	IF	Citations
162	Gene amplification confers glyphosate resistance in Amaranthus palmeri. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1029-34	11.5	445
161	Evolved resistance to glyphosate in rigid ryegrass (Lolium rigidum) in Australia. *Weed Science*, **1998**, 46, 604-607	2	339
160	Pollen-mediated movement of herbicide resistance between commercial canola fields. *Science*, **2002**, 296, 2386-8	33.3	281
159	Evolved Glyphosate Resistance in Plants: Biochemical and Genetic Basis of Resistance. *Weed Technology*, **2006**, 20, 282-289	1.4	180
158	Multiple Resistance to Dissimilar Herbicide Chemistries in a Biotype ofLolium rigidumDue to Enhanced Activity of Several Herbicide Degrading Enzymes. *Pesticide Biochemistry and Physiology*, **1996**, 54, 123-134	4.9	176
157	Investigations into the mechanism of glyphosate resistance in Lolium rigidum. *Pesticide Biochemistry and Physiology*, **2002**, 74, 62-72	4.9	145
156	Tillage system effects on weed ecology, herbicide activity and persistence: a review. *Australian Journal of Experimental Agriculture*, **2006**, 46, 1557		125
155	Influence of tillage systems on vertical distribution, seedling recruitment and persistence of rigid ryegrass (Lolium rigidum) seed bank. *Weed Science*, **2006**, 54, 669-676	2	124
154	Herbicide Resistance: Impact and Management. *Advances in Agronomy*, **1996**, 58, 57-93	7.7	122
153	Incidence of Herbicide Resistance in Rigid Ryegrass (Lolium rigidum) across Southeastern Australia. *Weed Technology*, **2012**, 26, 391-398	1.4	120
152	A Decade of Glyphosate-Resistant Lolium around the World: Mechanisms, Genes, Fitness, and Agronomic Management. *Weed Science*, **2009**, 57, 435-441	2	116
151	Malathion Antagonizes Metabolism-Based Chlorsulfuron Resistance in Lolium rigidum. *Pesticide Biochemistry and Physiology*, **1994**, 49, 172-182	4.9	111
150	A target-site mutation is present in a glyphosate-resistant Lolium rigidum population. *Weed Research*, **2006**, 46, 432-440	1.9	108
149	Glyphosate resistance in four different populations of Lolium rigidum is associated with reduced translocation of glyphosate to meristematic zones. *Weed Research*, **2004**, 44, 453-459	1.9	101
148	Evolution of herbicide resistance in weeds: initial frequency of target site-based resistance to acetolactate synthase-inhibiting herbicides in Lolium rigidum. *Heredity*, **2002**, 88, 8-13	3.6	101
147	Resistance to glyphosate from altered herbicide translocation patterns. *Pest Management Science*, **2008**, 64, 372-6	4.6	99
146	Gene amplification of 5-enol-pyruvylshikimate-3-phosphate synthase in glyphosate-resistant Kochia scoparia. *Planta*, **2015**, 241, 463-74	4.7	95

145	Herbicide resistance in weeds endowed by enhanced detoxification: complications for management. *Weed Science*, **2004**, 52, 448-453	2	95
144	Vacuolar glyphosate-sequestration correlates with glyphosate resistance in ryegrass (Lolium spp.) from Australia, South America, and Europe: a 31P NMR investigation. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 1243-50	5.7	92
143	Mechanism of resistance of evolved glyphosate-resistant Palmer amaranth (Amaranthus palmeri). *Journal of Agricultural and Food Chemistry*, **2011**, 59, 5886-9	5.7	90
142	Factors affecting seed germination of annual sowthistle (Sonchus oleraceus) in southern Australia. *Weed Science*, **2006**, 54, 854-860	2	90
141	Inheritance of evolved glyphosate resistance in Lolium rigidum (Gaud.). *Theoretical and Applied Genetics*, **2001**, 102, 545-550	6	70
140	EPSPS gene amplification in glyphosate-resistant Bromus diandrus. *Pest Management Science*, **2016**, 72, 81-8	4.6	63
139	Influence of environmental factors on seed germination and seedling emergence of rigid ryegrass (Lolium rigidum). *Weed Science*, **2006**, 54, 1004-1012	2	63
138	Seedling recruitment pattern and depth of recruitment of 10 weed species in minimum tillage and no-till seeding systems. *Weed Science*, **2006**, 54, 658-668	2	62
137	Determination of the primary charge separation rate in Photosystem II reaction centers at 15 K. *Photosynthesis Research*, **1989**, 22, 89-99	3.7	62
136	Biochemical Mechanisms, Inheritance, and Molecular Genetics of Herbicide Resistance in Weeds **2001**, 23-60		62
135	Experimental Methods for Estimation of Plant Fitness Costs Associated with Herbicide-Resistance Genes. *Weed Science*, **2015**, 63, 203-216	2	61
134	African mustard (Brassica tournefortii) germination in southern Australia. *Weed Science*, **2006**, 54, 891-897	2	57
133	Interspecific hybridization transfers a previously unknown glyphosate resistance mechanism in Amaranthus species. *Evolutionary Applications*, **2012**, 5, 29-38	4.8	55
132	Inheritance of Resistance to The Auxinic Herbicide Dicamba in Kochia (Kochia scoparia). *Weed Science*, **2009**, 57, 43-47	2	55
131	The carboxyl modifier 1-ethyl-3-[3-(dimethylamino)propyl]carbodiimide (EDC) inhibits half of the high-affinity Mn-binding site in photosystem II membrane fragments. *Biochemistry*, **1991**, 30, 9615-24	3.2	54
130	Inheritance and linkage of metabolism-based herbicide cross-resistance in rigid ryegrass (Lolium rigidum). *Weed Science*, **2003**, 51, 4-12	2	52
129	On the Mechanism of Resistance to Paraquat in Hordeum glaucum and H. leporinum: Delayed Inhibition of Photosynthetic O(2) Evolution after Paraquat Application. *Plant Physiology*, **1992**, 100, 630-6	6.6	50
128	Multiple effects of a naturally occurring proline to threonine substitution within acetolactate synthase in two herbicide-resistant populations of Lactuca serriola. *Pesticide Biochemistry and Physiology*, **2006**, 84, 227-235	4.9	45

127	EPSPS gene amplification conferring resistance to glyphosate in windmill grass (Chloris truncata) in Australia. *Pest Management Science*, **2018**, 74, 1101-1108	4.6	44
126	Amitrole Inhibits Diclofop Metabolism and Synergises Diclofop-methyl in a Diclofop-methyl-resistant Biotype ofLolium rigidum. *Pesticide Biochemistry and Physiology*, **1998**, 62, 179-189	4.9	43
125	Protease treatments of photosystem II membrane fragments reveal that there are four separate high-affinity Mn-binding sites. *Biochemistry*, **1991**, 30, 9625-33	3.2	43
124	The power and potential of genomics in weed biology and management. *Pest Management Science*, **2018**, 74, 2216-2225	4.6	41
123	Distribution of herbicide-resistant acetyl-coenzyme A carboxylase alleles in Lolium rigidum across grain cropping areas of South Australia. *Weed Research*, **2014**, 54, 78-86	1.9	41
122	A Diclofop-methyl-Resistant Avena sterilis Biotype with a Herbicide-Resistant Acetyl-coenzyme A Carboxylase and Enhanced Metabolism of Diclofop-methyl. *Pest Management Science*, **1997**, 49, 105-114		41
121	The mechanism of resistance to paraquat is strongly temperature dependent in resistant Hordeum leporinum Link and H. glaucum Steud.. *Planta*, **1995**, 196, 464	4.7	41
120	Inheritance of glyphosate resistance in several populations of rigid ryegrass (Lolium rigidum) from Australia. *Weed Science*, **2006**, 54, 212-219	2	41
119	Reactive oxygen species trigger the fast action of glufosinate. *Planta*, **2019**, 249, 1837-1849	4.7	40
118	Rigid Ryegrass (Lolium rigidum) Populations Containing a Target Site Mutation in EPSPS and Reduced Glyphosate Translocation Are More Resistant to Glyphosate. *Weed Science*, **2012**, 60, 474-479	2	40
117	Enhanced Metabolism of Fluazifop Acid in a Biotype ofDigitaria sanguinalisResistant to the Herbicide Fluazifop-P-Butyl. *Pesticide Biochemistry and Physiology*, **1997**, 57, 137-146	4.9	39
116	Resistant Acetyl-CoA Carboxylase is a Mechanism of Herbicide Resistance in a Biotype of Avena sterilis ssp. ludoviciana. *Plant and Cell Physiology*, **1994**, 35, 627-635	4.9	38
115	Evolution of resistance to phytoene desaturase and protoporphyrinogen oxidase inhibitors--state of knowledge. *Pest Management Science*, **2014**, 70, 1358-66	4.6	37
114	Cross-Resistance to Imazethapyr in a Fluazifop-P-butyl-Resistant Population of Digitaria sanguinalis. *Pesticide Biochemistry and Physiology*, **2001**, 71, 190-195	4.9	37
113	Faster degradation of herbicidally-active enantiomer of imidazolinones in soils. *Chemosphere*, **2010**, 79, 1040-5	8.4	36
112	Low temperature reduces glufosinate activity and translocation in wild radish (Raphanus raphanistrum). *Weed Science*, **2005**, 53, 10-16	2	36
111	Effect of Seeding Systems and Dinitroaniline Herbicides on Emergence and Control of Rigid Ryegrass (Lolium Rigidum) in Wheat. *Weed Technology*, **2007**, 21, 53-58	1.4	35
110	Managing the risk of glyphosate resistance in Australian glyphosate- resistant cotton production systems. *Pest Management Science*, **2008**, 64, 417-21	4.6	35

109	An assessment of weed flora 14 years after the introduction of glyphosate-tolerant cotton in Australia. *Crop and Pasture Science*, **2017**, 68, 773	2.2	32
108	Inheritance of Evolved Glyphosate Resistance in a North Carolina Palmer Amaranth (Amaranthus palmeri) Biotype. *International Journal of Agronomy*, **2012**, 2012, 1-7	1.9	32
107	Temperature influences the level of glyphosate resistance in barnyardgrass (Echinochloa colona). *Pest Management Science*, **2016**, 72, 1031-9	4.6	31
106	Molecular basis of multiple resistance to ACCase-inhibiting and ALS-inhibiting herbicides in Lolium rigidum. *Weed Research*, **2007**, 47, 534-541	1.9	30
105	Target-site mutations conferring resistance to glyphosate in feathertop Rhodes grass (Chloris virgata) populations in Australia. *Pest Management Science*, **2018**, 74, 1094-1100	4.6	28
104	Influence of environmental factors on seed germination and seedling emergence of Oriental mustard (Sisymbrium orientale). *Weed Science*, **2006**, 54, 1025-1031	2	28
103	Factors affecting seed germination of threehorn bedstraw (Galium tricornutum) in Australia. *Weed Science*, **2006**, 54, 471-477	2	28
102	Control of Rigid Ryegrass in Australian Wheat Production with Pyroxasulfone. *Weed Technology*, **2014**, 28, 332-339	1.4	26
101	Abiotic degradation (photodegradation and hydrolysis) of imidazolinone herbicides. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2008**, 43, 105-12	2.2	26
100	Factors affecting turnipweed (Rapistrum rugosum) seed germination in southern Australia. *Weed Science*, **2006**, 54, 1032-1036	2	25
99	Factors affecting seed germination of little mallow (Malva parviflora) in southern Australia. *Weed Science*, **2006**, 54, 1045-1050	2	24
98	Tillage systems affect trifluralin bioavailability in soil. *Weed Science*, **2006**, 54, 941-947	2	24
97	Resistance to glyphosate in Lolium rigidum. *Pest Management Science*, **1999**, 55, 489-491		24
96	Use of a novel histidyl modifier to probe for residues on Tris-treated photosystem II membrane fragments that may bind functional manganese. *Biochemistry*, **1998**, 37, 13567-74	3.2	23
95	Adventitious Presence of Herbicide Resistant Wheat in Certified and Farm-Saved Seed Lots. *Crop Science*, **2007**, 47, 751-754	2.4	22
94	Reduced paraquat translocation in paraquat resistant Arctotheca calendula (L.) Levyns is a consequence of the primary resistance mechanism, not the cause. *Pesticide Biochemistry and Physiology*, **2003**, 76, 91-98	4.9	22
93	Mechanisms of inducible resistance against Bacillus thuringiensis endotoxins in invertebrates. *Insect Science*, **2005**, 12, 319-330	3.6	22
92	Mechanisms of resistance to acetyl-coenzyme A carboxylase-inhibiting herbicides in a Hordeum leporinum population. *Pest Management Science*, **2000**, 56, 441-447	4.6	22

91	Inheritance of resistance to 2,4-D and chlorsulfuron in a multiple-resistant population of Sisymbrium orientale. *Pest Management Science*, **2015**, 71, 1523-8	4.6	21
90	Improved extraction and clean-up of imidazolinone herbicides from soil solutions using different solid-phase sorbents. *Journal of Chromatography A*, **2009**, 1216, 5092-100	4.5	21
89	The spread of resistance to acetolactate synthase inhibiting herbicides in a wind borne, self-pollinated weed species, Lactuca serriola L. *Theoretical and Applied Genetics*, **2007**, 115, 443-50	6	21
88	Diclofop-methyl resistance in populations of Lolium spp. from central Italy. *Weed Research*, **2001**, 41, 49-58	1.9	20
87	Reduced Glyphosate Translocation in Two Glyphosate-Resistant Populations of Rigid Ryegrass (Lolium rigidum) from Fence Lines in South Australia. *Weed Science*, **2014**, 62, 4-10	2	19
86	Canola (Brassica napus L.) seedbank declines rapidly in farmer-managed fields in South Australia. *Australian Journal of Agricultural Research*, **2008**, 59, 780		17
85	Differential translocation of paraquat in paraquat-resistant populations of Hordeum leporinum. *Weed Research*, **2005**, 45, 289-295	1.9	17
84	Multiple Resistance to Acetohydroxyacid Synthase Inhibiting and Auxinic Herbicides in a Population of Oriental Mustard (Sisymbrium orientale). *Weed Science*, **2013**, 61, 185-192	2	16
83	Legumes in temperate Australia: A survey of naturalisation and impact in natural ecosystems. *Biological Conservation*, **2005**, 125, 323-333	6.2	16
82	Resistance to diclofop-methyl in two Lolium spp. populations from Italy: studies on the mechanism of resistance. *Weed Research*, **2001**, 41, 461-473	1.9	16
81	Multiple Mechanisms and Multiple Herbicide Resistance in Lolium rigidum. *ACS Symposium Series*, **1996**, 117-129	0.4	16
80	Synthetic auxin herbicides: finding the lock and key to weed resistance. *Plant Science*, **2020**, 300, 110631	5.3	16
79	Influence of Management on Long-Term Seedbank Dynamics of Rigid Ryegrass (Lolium rigidum) in Cropping Systems of Southern Australia. *Weed Science*, **2016**, 64, 303-311	2	16
78	Target-Site Point Mutations Conferring Resistance to ACCase-Inhibiting Herbicides in Smooth Barley (Hordeum glaucum) and Hare Barley (Hordeum leporinum). *Weed Science*, **2015**, 63, 408-415	2	15
77	Regeneration of the high-affinity manganese-binding site in the reaction center of an oxygen-evolution deficient mutant of Scenedesmus by protease action. *Photosynthesis Research*, **1989**, 22, 101-13	3.7	15
76	Resistance to Multiple PRE Herbicides in a Field-evolved Rigid Ryegrass (Lolium rigidum) Population. *Weed Science*, **2018**, 66, 581-585	2	15
75	Reduced translocation in 2,4-D-resistant oriental mustard populations (Sisymbrium orientale L.) from Australia. *Pest Management Science*, **2018**, 74, 1524-1532	4.6	14
74	Target-Site Point Mutation Conferring Resistance to Trifluralin in Rigid Ryegrass (Lolium rigidum). *Weed Science*, **2018**, 66, 246-253	2	14

73	Resistance to very-long-chain fatty-acid (VLCFA)-inhibiting herbicides in multiple field-selected rigid ryegrass (Lolium rigidum) populations. *Weed Science*, **2019**, 67, 267-272	2	13
72	Seed germination and seedling emergence of threehorn bedstraw (Galium tricornutum). *Weed Science*, **2006**, 54, 867-872	2	13
71	Polyamines can inhibit paraquat toxicity and translocation in the broadleaf weed Arctotheca calendula. *Pesticide Biochemistry and Physiology*, **2004**, 80, 94-105	4.9	13
70	Predicting the spread of herbicide resistance in Australian canola fields. *Transgenic Research*, **2003**, 12, 731-7	3.3	13
69	Basis of ACCase and ALS inhibitor resistance in Hordeum glaucum Steud. *Pest Management Science*, **2017**, 73, 1638-1647	4.6	12
68	Target Enzyme-Based Resistance to Clethodim in Lolium rigidum Populations in Australia. *Weed Science*, **2015**, 63, 946-953	2	12
67	UK field-scale evaluations answer wrong questions. *Nature Biotechnology*, **2003**, 21, 1429-30	44.5	12
66	Ca2+ requirement for photosynthetic oxygen evolution of spinach and mangrove photosystem II membrane preparations. *FEBS Letters*, **1985**, 184, 318-322	3.8	12
65	Biochemical Mechanisms, Inheritance, and Molecular Genetics of Herbicide Resistance in Weeds **2001**,		12
64	EPSPS gene amplification confers resistance to glyphosate resistant populations of Hordeum glaucum Stued (northern barley grass) in South Australia. *Pest Management Science*, **2020**, 76, 1214-1221	4.6	12
63	Glufosinate enhances the activity of protoporphyrinogen oxidase inhibitors. *Weed Science*, **2020**, 68, 324-332	2	11
62	Fitness costs associated with 1781 and 2041 ACCase-mutant alleles conferring resistance to herbicides in Hordeum glaucum Steud.. *Crop Protection*, **2016**, 87, 60-67	2.7	11
61	Alternative Herbicides for the Management of Clethodim-Resistant Rigid Ryegrass (Lolium rigidum) in Faba Bean (Vicia faba L.) in Southern Australia. *Weed Technology*, **2015**, 29, 578-586	1.4	11
60	Incidence of Herbicide Resistance, Seedling Emergence, and Seed Persistence of Smooth Barley (Hordeum glaucum) in South Australia. *Weed Technology*, **2015**, 29, 782-792	1.4	11
59	Light-dependent enhanced metabolism of chlorotoluron in a substituted urea herbicide-resistant biotype ofLolium rigidum Gaud.. *Planta*, **1997**, 201, 202-208	4.7	11
58	A novel insight into the mode of action of glufosinate: how reactive oxygen species are formed. *Photosynthesis Research*, **2020**, 144, 361-372	3.7	10
57	Pollen-mediated gene flow between paraquat-resistant and susceptible hare barley (Hordeum leporinum). *Weed Science*, **2006**, 54, 685-689	2	10
56	A comparative study of glufosinate efficacy in rigid ryegrass (Lolium rigidum) and sterile oat (Avena sterilis). *Weed Science*, **2002**, 50, 560-566	2	10

55	Genetic diversity of giant reed (A rundo donax) in Australia. *Weed Biology and Management*, **2017**, 17, 17-28	1.4	9
54	Growth, Development, and Seed Biology of Feather Fingergrass (Chloris virgata) in Southern Australia. *Weed Science*, **2017**, 65, 413-425	2	9
53	Review: evolutionary drivers of agricultural adaptation in Lolium spp. *Pest Management Science*, **2021**, 77, 2209-2218	4.6	9
52	Plant Development and Seed Biology of Windmillgrass (Chloris truncata) in Southern Australia. *Weed Science*, **2017**, 65, 395-405	2	8
51	Inheritance of evolved clethodim resistance in Lolium rigidum populations from Australia. *Pest Management Science*, **2017**, 73, 1604-1610	4.6	8
50	Influence of Seeding System Disturbance on Preplant Incorporated Herbicide Control of Rigid Ryegrass (Lolium rigidum) in Wheat in Southern Australia. *Weed Technology*, **2014**, 28, 323-331	1.4	8
49	Molecular tools for understanding distribution and spread of weed genotypes. *Crop Protection*, **2007**, 26, 198-205	2.7	8
48	Herbicide Resistance: Target Site Mutations127-148		8
47	Control of clethodim-resistant Lolium rigidum (rigid ryegrass) in triazine-tolerant canola (Brassica napus L.) in southern Australia. *Crop Protection*, **2015**, 78, 99-105	2.7	7
46	Physiological Factors Affecting Uptake and Translocation of Glufosinate. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 3026-3032	5.7	7
45	Management of ACCase-Inhibiting Herbicide-Resistant Smooth Barley (Hordeum glaucum) in Field Pea with Alternative Herbicides. *Weed Technology*, **2016**, 30, 441-447	1.4	7
44	Do Polyamines Contribute to Paraquat Resistance in Hordeum Glaucum? **1992**, 571-574		7
43	Development of High Levels of Metribuzin Tolerance in Lentil. *Weed Science*, **2019**, 67, 83-90	2	7
42	Identification of a target-site mutation conferring resistance to triazine herbicides in oriental mustard (Sisymbrium orientale L.) from Australia. *Weed Biology and Management*, **2017**, 17, 153-160	1.4	6
41	The mechanism of diflufenican resistance and its inheritance in oriental mustard (Sisymbrium orientale L.) from Australia. *Pest Management Science*, **2018**, 74, 1279-1285	4.6	6
40	Timing and Dose of Metolachlor Affect Rigid Ryegrass (Lolium rigidum) Control in Wheat. *Weed Technology*, **2007**, 21, 225-229	1.4	6
39	Glyphosate-Resistant Rigid Ryegrass in Australia233-247		6
38	Applications of pre-emergent pyroxasulfone, flufenacet and their mixtures with triallate for the control of Bromus diandrus (ripgut brome) in no-till wheat (Triticum aestivum) crops of southern Australia. *Crop Protection*, **2016**, 80, 144-148	2.7	5

37	Cross-resistance to diflufenican and picolinafen and its inheritance in oriental mustard (Sisymbrium orientale L.). *Pest Management Science*, **2019**, 75, 195-203	4.6	5
36	Partial Identification of the High-Affinity MN-Binding Site in Scenedesmusobliquus Photosystem II **1990**, 925-928		5
35	Varying responses of field-selected herbicide-resistant rigid ryegrass (Lolium rigidum) populations to combinations of phorate with PPI herbicides. *Weed Science*, **2020**, 68, 367-372	2	5
34	Diversity and extent of mutations endowing resistance to the acetolactate synthase (AHAS)-inhibiting herbicides in Indian hedge mustard (Sisymbrium orientale) populations in Australia. *Pesticide Biochemistry and Physiology*, **2019**, 157, 53-59	4.9	4
33	Weed Management Impacts on the Population Dynamics of Barnyardgrass (Echinochloa crus-galli) in Glyphosate-Resistant Cotton in Australia. *Weed Technology*, **2008**, 22, 190-194	1.4	4
32	Interaction of electron acceptors with thylakoids from halophytic and non-halophytic species. *Photosynthesis Research*, **1988**, 16, 187-202	3.7	4
31	Induced novel psbA mutation (Ala to Thr) in higher plants confers resistance to PSII inhibitor metribuzin in Lens culinaris. *Pest Management Science*, **2019**, 75, 1564-1570	4.6	4
30	Control of thiocarbamate-resistant rigid ryegrass (Lolium rigidum) in wheat in southern Australia. *Weed Technology*, **2020**, 34, 19-24	1.4	4
29	Herbicide Detoxification: Herbicide Selectivity in Crops and Herbicide Resistance in Weeds. *ACS Symposium Series*, **2005**, 195-204	0.4	3
28	Evidence for the Application of Emerging Technologies to Accelerate Crop Improvement - A Collaborative Pipeline to Introgress Herbicide Tolerance Into Chickpea.. *Frontiers in Plant Science*, **2021**, 12, 779122	6.2	3
27	An in-frame deletion mutation in the degron tail of auxin co-receptor IAA2 confers resistance to the herbicide 2,4-D in Sisymbrium orientale		3
26	Alternative Herbicides for the Control of Clethodim-Resistant Rigid Ryegrass (Lolium rigidum) in Clearfield Canola in Southern Australia. *Weed Technology*, **2016**, 30, 423-430	1.4	3
25	An in-frame deletion mutation in the degron tail of auxin coreceptor confers resistance to the herbicide 2,4-D in .. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	3
24	No apparent fitness costs associated with phytoene desaturase mutations conferred resistance to diflufenican and picolinafen in oriental mustard (Sisymbrium orientale L.). *Pesticide Biochemistry and Physiology*, **2019**, 155, 51-57	4.9	2
23	Conyza bonariensis (flax-leaf fleabane) resistant to both glyphosate and ALS inhibiting herbicides innorth-eastern Victoria. *Crop and Pasture Science*, **2020**, 71, 864	2.2	2
22	Inheritance of Quizalofop Resistance in a Smooth Barley Biotype from South Australia. *Agronomy Journal*, **2017**, 109, 2820-2827	2.2	2
21	Loss of trifluralin metabolic resistance in Lolium rigidum plants exposed to prosulfocarb recurrent selection. *Pest Management Science*, **2020**, 76, 3926-3934	4.6	2
20	Frost Reduces Clethodim Efficacy in Clethodim-Resistant Rigid Ryegrass (Lolium rigidum) Populations. *Weed Science*, **2016**, 64, 207-215	2	2

19	Phenotypic and molecular characterisation of novel Vicia faba germplasm with tolerance to acetohydroxyacid synthase-inhibiting herbicides (AHAS) developed through mutagenesis techniques. *Pest Management Science*, **2019**, 75, 2698-2705	4.6	2
18	A Diclofop-methyl-Resistant Avena sterilis Biotype with a Herbicide-Resistant Acetyl-coenzyme A Carboxylase and Enhanced Metabolism of Diclofop-methyl **1997**, 49, 105		2
17	Evaluation of selected commercial oilseed rape cultivars for early vigour, weed suppression and yield in southern New South Wales. *Weed Research*, **2020**, 60, 450-463	1.9	1
16	Use of alternative herbicide mixtures to manage glyphosate-resistant Lolium rigidum Gaud. along crop margins in South Australia. *Crop and Pasture Science*, **2014**, 65, 1349	2.2	1
15	Light induced calcium binding to mangrove PS II particles. *FEBS Letters*, **1987**, 210, 27-30	3.8	1
14	Fluoride inhibition of oxygen evolution; new evidence from 35Cl-NMR measurements. *Biochimica Et Biophysica Acta - Bioenergetics*, **1987**, 894, 477-483	4.6	1
13	Resistance of flaxleaf fleabane (Conyza bonariensis (L.) Cronquist) to glyphosate. *Bulletin of the National Research Centre*, **2020**, 44,	3	1
12	Differential Thylakoid Membrane Stacking in Mangrove and Spinach **1987**, 273-276		1
11	Incidence of multiple herbicide resistance in annual bluegrass (Poa annua) across southeastern Australia. *Weed Science*, **2020**, 68, 340-347	2	1
10	Increasing the value and efficiency of herbicide resistance surveys. *Pest Management Science*, **2021**, 77, 3881-3889	4.6	1
9	Stability of EPSPS gene copy number in Hordeum glaucum Steud (barley grass) in the presence and absence of glyphosate selection. *Pest Management Science*, **2021**, 77, 3080-3087	4.6	1
8	Non-Mendelian inheritance of gene amplification-based resistance to glyphosate in Hordeum glaucum (barley grass) from South Australia. *Pest Management Science*, **2021**, 77, 4298-4302	4.6	1
7	Resistance to bixlozone and clomazone in cross-resistant rigid ryegrass (Lolium rigidum) populations from southern Australia. *Weed Science*, **2021**, 69, 284-289	2	1
6	A Diclofop-methyl-Resistant Avena sterilis Biotype with a Herbicide-Resistant Acetyl-coenzyme A Carboxylase and Enhanced Metabolism of Diclofop-methyl **1997**, 49, 105		1
5	Alternative Herbicides for Controlling Herbicide-Resistant Annual Bluegrass (Poa annua L.) in Turf. *Agronomy*, **2021**, 11, 2148	3.6	0
4	Can rotations improve management of herbicide-resistant annual sowthistle (Sonchus oleraceus) and prickly lettuce (Lactuca serriola) in lentil production systems of southern Australia?. *Weed Technology*, **2021**, 35, 532-538	1.4	0
3	Persistence of Resistance Alleles 1781, 2041, and 2078 in the Absence of Herbicide Selection. *Agronomy Journal*, **2017**, 109, 1806-1810	2.2	
2	Paternal leakage inheritance and a fitness cost are associated with the chloroplastic psbA gene controlled metribuzin tolerance in lentil (Lens culinaris). *Euphytica*, **2021**, 217, 1	2.1	

List of Publications

1 Inheritance of evolved thiocarbamate resistance in rigid ryegrass (Lolium rigidum) populations from Australia. *Weed Science*,1-6 2