

Mechelle J Owen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

773
citations

471061

17
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	Widespread occurrence of multiple herbicide resistance in Western Australian annual ryegrass (<i>Lolium rigidum</i>) populations. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 711.	1.5	168
2	Widespread occurrence of both metabolic and target-site herbicide resistance mechanisms in <i>Lolium rigidum</i> populations. <i>Pest Management Science</i> , 2016, 72, 255-263.	1.7	77
3	Multiple herbicide-resistant wild radish (<i>Raphanus raphanistrum</i>) populations dominate Western Australian cropping fields. <i>Crop and Pasture Science</i> , 2015, 66, 1079.	0.7	63
4	Non-target-site-based resistance to ALS-inhibiting herbicides in six <i>Bromus rigidus</i> populations from Western Australian cropping fields. <i>Pest Management Science</i> , 2012, 68, 1077-1082.	1.7	57
5	Herbicide-Resistant Weed Seeds Contaminate Grain Sown in the Western Australian Grainbelt. <i>Weed Science</i> , 2010, 58, 466-472.	0.8	49
6	Evolution of resistance to HPPD-inhibiting herbicides in a wild radish population via enhanced herbicide metabolism. <i>Pest Management Science</i> , 2020, 76, 1929-1937.	1.7	43
7	Dinitroaniline herbicide resistance in a multiple-resistant <i>Lolium rigidum</i> population. <i>Pest Management Science</i> , 2018, 74, 925-932.	1.7	31
8	Identification of resistance to either paraquat or ALS-inhibiting herbicides in two Western Australian <i>Hordeum leporinum</i> biotypes. <i>Pest Management Science</i> , 2012, 68, 757-763.	1.7	30
9	Intensive cropping systems select for greater seed dormancy and increased herbicide resistance levels in <i>Lolium rigidum</i> (annual ryegrass). <i>Pest Management Science</i> , 2015, 71, 966-971.	1.7	28
10	A novel <i>psbA</i> mutation (Phe274→Val) confers resistance to PSII herbicides in wild radish (<i>Raphanus raphanistrum</i>). <i>Pest Management Science</i> , 2019, 75, 144-151.	1.7	27
11	Glyphosate-Resistant Rigid Ryegrass (<i>Lolium rigidum</i>) Populations in the Western Australian Grain Belt. <i>Weed Technology</i> , 2010, 24, 44-49.	0.4	26
12	Herbicide Resistance in Rigid Ryegrass (<i>Lolium rigidum</i>) Has Not Led to Higher Weed Densities in Western Australian Cropping Fields. <i>Weed Science</i> , 2009, 57, 61-65.	0.8	23
13	ACCase-Inhibiting Herbicide-Resistant <i>Avena</i> spp. Populations from the Western Australian Grain Belt. <i>Weed Technology</i> , 2012, 26, 130-136.	0.4	23
14	2,4-D and dicamba resistance mechanisms in wild radish: subtle, complex and population specific?. <i>Annals of Botany</i> , 2018, 122, 627-640.	1.4	22
15	Metribuzin Resistance in a Wild Radish (<i>Raphanus raphanistrum</i>) Population via Both <i>psbA</i> Gene Mutation and Enhanced Metabolism. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1353-1359.	2.4	22
16	Herbicide resistance in <i>Bromus</i> and <i>Hordeum</i> spp. in the Western Australian grain belt. <i>Crop and Pasture Science</i> , 2015, 66, 466.	0.7	20
17	The frequency of herbicide-resistant wild oat (<i>Avena</i> spp.) populations remains stable in Western Australian cropping fields. <i>Crop and Pasture Science</i> , 2016, 67, 520.	0.7	20
18	Increasing the value and efficiency of herbicide resistance surveys. <i>Pest Management Science</i> , 2021, 77, 3881-3889.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Non-target-site resistance to PDS-inhibiting herbicides in a wild radish (<i>Raphanus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	12
20	A Survey in the Southern Grain Belt of Western Australia Did Not Find <i>Conyza</i> Spp. Resistant to Glyphosate. <i>Weed Technology</i> , 2009, 23, 492-494.	0.4	9
21	Agricultural Weed Assessment Calculator: An Australian Evaluation. <i>Plants</i> , 2020, 9, 1737.	1.6	4
22	Target-site resistance to trifluralin is more prevalent in annual ryegrass populations from Western Australia. <i>Pest Management Science</i> , 2022, 78, 1206-1212.	1.7	4
23	Lessons learnt: crop-seed cleaning reduces weed-seed contamination in Western Australian grain samples. <i>Crop and Pasture Science</i> , 2020, 71, 660.	0.7	2