

Stephen Powles

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10390200/publications.pdf>

Version: 2024-02-01

19
papers

1,750
citations

516215

16
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1166
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism-Based Herbicide Resistance and Cross-Resistance in Crop Weeds: A Threat to Herbicide Sustainability and Global Crop Production. <i>Plant Physiology</i> , 2014, 166, 1106-1118.	2.3	366
2	Targeting Weed Seeds In-Crop: A New Weed Control Paradigm for Global Agriculture. <i>Weed Technology</i> , 2013, 27, 431-436.	0.4	205
3	Recurrent selection with reduced herbicide rates results in the rapid evolution of herbicide resistance in <i>Lolium rigidum</i> . <i>Theoretical and Applied Genetics</i> , 2005, 110, 1154-1166.	1.8	201
4	Glyphosate, paraquat and ACCase multiple herbicide resistance evolved in a <i>Lolium rigidum</i> biotype. <i>Planta</i> , 2006, 225, 499-513.	1.6	183
5	Distinct non-target site mechanisms endow resistance to glyphosate, ACCase and ALS-inhibiting herbicides in multiple herbicide-resistant <i>Lolium rigidum</i> . <i>Planta</i> , 2009, 230, 713-723.	1.6	139
6	Aldo-keto Reductase Metabolizes Glyphosate and Confers Glyphosate Resistance in <i>Echinochloa colona</i> . <i>Plant Physiology</i> , 2019, 181, 1519-1534.	2.3	97
7	Evolved polygenic herbicide resistance in <i>Lolium rigidum</i> by low-dose herbicide selection within standing genetic variation. <i>Evolutionary Applications</i> , 2013, 6, 231-242.	1.5	94
8	An ABCG-type transporter endowing glyphosate resistance in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	85
9	High Levels of Adoption Indicate That Harvest Weed Seed Control Is Now an Established Weed Control Practice in Australian Cropping. <i>Weed Technology</i> , 2017, 31, 341-347.	0.4	61
10	Recurrent Sublethal-Dose Selection for Reduced Susceptibility of Palmer Amaranth (<i>Amaranthus</i>)	0.8	57
11	Phorate can reverse P450 metabolism-based herbicide resistance in <i>Lolium rigidum</i> . <i>Pest Management Science</i> , 2017, 73, 410-417.	1.7	57
12	Does cutting herbicide rates threaten the sustainability of weed management in cropping systems?. <i>Journal of Theoretical Biology</i> , 2011, 283, 14-27.	0.8	56
13	Glyphosate Resistance in <i>Tridax procumbens</i> via a Novel EPSPS Thr-102-Ser Substitution. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7880-7888.	2.4	40
14	Direct measurement of paraquat in leaf protoplasts indicates vacuolar paraquat sequestration as a resistance mechanism in <i>Lolium rigidum</i> . <i>Pesticide Biochemistry and Physiology</i> , 2010, 98, 104-109.	1.6	32
15	Metribuzin resistance via enhanced metabolism in a multiple herbicide resistant <i>Lolium rigidum</i> population. <i>Pest Management Science</i> , 2020, 76, 3785-3791.	1.7	20
16	Upgrading the RIM Model for Improved Support of Integrated Weed Management Extension Efforts in Cropping Systems. <i>Weed Technology</i> , 2014, 28, 703-720.	0.4	19
17	RIM: Anatomy of a Weed Management Decision Support System for Adaptation and Wider Application. <i>Weed Science</i> , 2015, 63, 676-689.	0.8	17
18	Dinitroaniline Herbicide Resistance and Mechanisms in Weeds. <i>Frontiers in Plant Science</i> , 2021, 12, 634018.	1.7	17

#	ARTICLE	IF	CITATIONS
19	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