Stephen Powles

List of Publications by Year
in descending order

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

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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	Targetâ€site resistance to trifluralin is more prevalent in annual ryegrass populations from Western Australia. Pest Management Science, 2022, 78, 1206-1212.	1.7	4
2	Dinitroaniline Herbicide Resistance and Mechanisms in Weeds. Frontiers in Plant Science, 2021, 12, 634018.	1.7	17
3	An ABCC-type transporter endowing glyphosate resistance in plants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	85
4	Metribuzin resistance via enhanced metabolism in a multiple herbicide resistant <scp>Lolium rigidum</scp> population. Pest Management Science, 2020, 76, 3785-3791.	1.7	20
5	Aldo-keto Reductase Metabolizes Glyphosate and Confers Glyphosate Resistance in Echinochloa colona. Plant Physiology, 2019, 181, 1519-1534.	2.3	97
6	Glyphosate Resistance in Tridax procumbens via a Novel EPSPS Thr-102-Ser Substitution. Journal of Agricultural and Food Chemistry, 2018, 66, 7880-7888.	2.4	40
7	Recurrent Sublethal-Dose Selection for Reduced Susceptibility of Palmer Amaranth (Amaranthus) Tj ETQq1 1 0.784314 rgBT /Over	0.8	57
8	High Levels of Adoption Indicate That Harvest Weed Seed Control Is Now an Established Weed Control Practice in Australian Cropping. Weed Technology, 2017, 31, 341-347.	0.4	61
9	Phorate can reverse P450 metabolism-based herbicide resistance inLolium rigidum. Pest Management Science, 2017, 73, 410-417.	1.7	57
10	RIM: Anatomy of a Weed Management Decision Support System for Adaptation and Wider Application. Weed Science, 2015, 63, 676-689.	0.8	17
11	Upgrading the RIM Model for Improved Support of Integrated Weed Management Extension Efforts in Cropping Systems. Weed Technology, 2014, 28, 703-720.	0.4	19
12	Metabolism-Based Herbicide Resistance and Cross-Resistance in Crop Weeds: A Threat to Herbicide Sustainability and Global Crop Production. Plant Physiology, 2014, 166, 1106-1118.	2.3	366
13	Evolved polygenic herbicide resistance in <scp>L</scp>olium rigidum by lowâ€dose herbicide selection within standing genetic variation. Evolutionary Applications, 2013, 6, 231-242.	1.5	94
14	Targeting Weed Seeds In-Crop: A New Weed Control Paradigm for Global Agriculture. Weed Technology, 2013, 27, 431-436.	0.4	205
15	Does cutting herbicide rates threaten the sustainability of weed management in cropping systems?. Journal of Theoretical Biology, 2011, 283, 14-27.	0.8	56
16	Direct measurement of paraquat in leaf protoplasts indicates vacuolar paraquat sequestration as a resistance mechanism in Lolium rigidum. Pesticide Biochemistry and Physiology, 2010, 98, 104-109.	1.6	32
17	Distinct non-target site mechanisms endow resistance to glyphosate, ACCase and ALS-inhibiting herbicides in multiple herbicide-resistant Lolium rigidum. Planta, 2009, 230, 713-723.	1.6	139
18	Glyphosate, paraquat and ACCase multiple herbicide resistance evolved in a Lolium rigidum biotype. Planta, 2006, 225, 499-513.	1.6	183

#	Article	IF	Citations
19	Recurrent selection with reduced herbicide rates results in the rapid evolution of herbicide resistance in Lolium rigidum. Theoretical and Applied Genetics, 2005, 110, 1154-1166.	1.8	201