

Heping Han

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,174
citations

279487

23
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

1493
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | A dinitroaniline herbicide resistance mutation can be nearly lethal to plants. <i>Pest Management Science</i> , 2022, 78, 1547-1554. | 1.7 | 2 |
| 3 | A naturally evolved mutation (Ser59Gly) in glutamine synthetase confers glufosinate resistance in plants. <i>Journal of Experimental Botany</i> , 2022, 73, 2251-2262. | 2.4 | 18 |
| 4 | Exploring quinclorac resistance mechanisms in <i>Echinochloa crusgallii</i> from China. <i>Pest Management Science</i> , 2021, 77, 194-201. | 1.7 | 13 |
| 5 | Diversity of β -tubulin transcripts in <i>Lolium rigidum</i> . <i>Pest Management Science</i> , 2021, 77, 970-977. | 1.7 | 4 |
| 6 | Cytochrome P450 CYP81A10v7 in <i>Lolium rigidum</i> confers metabolic resistance to herbicides across at least five modes of action. <i>Plant Journal</i> , 2021, 105, 79-92. | 2.8 | 93 |
| 7 | Identification of the first glyphosate-resistant capeweed (<i>Arctotheca calendula</i>) population. <i>Pest Management Science</i> , 2021, 77, 2568-2575. | 1.7 | 0 |
| 8 | Contrasting plant ecological benefits endowed by naturally occurring EPSPS resistance mutations under glyphosate selection. <i>Evolutionary Applications</i> , 2021, 14, 1635-1645. | 1.5 | 4 |
| 9 | 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 |
| 10 | A Val ²⁰² -Phe β -tubulin mutation and enhanced metabolism confer dinitroaniline resistance in a single <i>Lolium rigidum</i> population. <i>Pest Management Science</i> , 2020, 76, 645-652. | 1.7 | 20 |
| 11 | 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 |
| 12 | Non-target-site resistance to PDS-inhibiting herbicides in a wild radish (<i>Raphanus</i>) population. <i>Evolutionary Applications</i> , 2020, 13, 1070-1077. | 1.7 | 12 |
| 13 | 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 |
| 14 | 2,4-D antagonizes glyphosate in glyphosate-resistant barnyard grass & <i>Echinochloa colona</i> . <i>Journal of Pesticide Sciences</i> , 2020, 45, 109-113. | 0.8 | 10 |
| 15 | Mechanistic basis for synergism of 2,4-D amine and metribuzin in <i>Avena sterilis</i> . <i>Journal of Pesticide Sciences</i> , 2020, 45, 216-222. | 0.8 | 6 |
| 16 | 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 |
| 17 | Genetic inheritance of dinitroaniline resistance in an annual ryegrass population. <i>Plant Science</i> , 2019, 283, 189-194. | 1.7 | 14 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Dinitroaniline herbicide resistance in a multiple-resistant <i>Lolium rigidum</i> population. <i>Pest Management Science</i> , 2018, 74, 925-932. | 1.7 | 31 |
| 21 | Non-target-site glyphosate resistance in <i>Echinochloa colona</i> from Western Australia. <i>Crop Protection</i> , 2018, 112, 257-263. | 1.0 | 15 |
| 22 | Novel β -Tubulin Mutations Conferring Resistance to Dinitroaniline Herbicides in <i>Lolium rigidum</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 97. | 1.7 | 46 |
| 23 | Enhanced Trifluralin Metabolism Can Confer Resistance in <i>Lolium rigidum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7589-7596. | 2.4 | 18 |
| 24 | 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 |
| 25 | A double EPSPS gene mutation endowing glyphosate resistance shows a remarkably high resistance cost. <i>Plant, Cell and Environment</i> , 2017, 40, 3031-3042. | 2.8 | 53 |
| 26 | 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 |
| 27 | Identification of Triazine-Resistant <i>Vulpia bromoides</i> . <i>Weed Technology</i> , 2016, 30, 456-463. | 0.4 | 8 |
| 28 | Target-site EPSPS Pro-106 mutations: sufficient to endow glyphosate resistance in polyploid <i>Echinochloa colona</i> ? <i>Pest Management Science</i> , 2016, 72, 264-271. | 1.7 | 35 |
| 29 | Effect of herbicide resistance endowing Ile-1781-Leu and Asp-2078-Gly <i>ACCase</i> gene mutations on <i>ACCase</i> kinetics and growth traits in <i>Lolium rigidum</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4711-4718. | 2.4 | 46 |
| 30 | Evolution of a Double Amino Acid Substitution in the 5-Enolpyruvylshikimate-3-Phosphate Synthase in <i>Eleusine indica</i> Conferring High-Level Glyphosate Resistance. <i>Plant Physiology</i> , 2015, 167, 1440-1447. | 2.3 | 197 |
| 31 | No fitness cost of glyphosate resistance endowed by massive EPSPS gene amplification in <i>Amaranthus palmeri</i> . <i>Planta</i> , 2014, 239, 793-801. | 1.6 | 97 |
| 32 | RNA-seq transcriptome analysis to identify genes involved in metabolism-based diclofop resistance in <i>Lolium rigidum</i> . <i>Plant Journal</i> , 2014, 78, 865-876. | 2.8 | 185 |
| 33 | Enhanced herbicide metabolism induced by 2,4-D in herbicide susceptible <i>Lolium rigidum</i> provides protection against diclofop-methyl. <i>Pest Management Science</i> , 2013, 69, 996-1000. | 1.7 | 37 |
| 34 | Herbicide Resistance Endowed by Enhanced Rates of Herbicide Metabolism in Wild Oat (<i>Avena</i> spp.). <i>Weed Science</i> , 2013, 61, 55-62. | 0.8 | 35 |
| 35 | A novel amino acid substitution Ala ¹²² Tyr in ALS confers high level and broad resistance across ALS-inhibiting herbicides. <i>Pest Management Science</i> , 2012, 68, 1164-1170. | 1.7 | 87 |
| 36 | Transformation of β -Lycopene Cyclase Genes from <i>Salicornia europaea</i> and <i>Arabidopsis</i> Conferred Salt Tolerance in <i>Arabidopsis</i> and Tobacco. <i>Plant and Cell Physiology</i> , 2011, 52, 909-921. | 1.5 | 72 |

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|----|--|-----|-----------|
| 37 | AHAS herbicide resistance endowing mutations: effect on AHAS functionality and plant growth. <i>Journal of Experimental Botany</i> , 2010, 61, 3925-3934. | 2.4 | 186 |
| 38 | 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 |
| 39 | Paraquat resistance in a <i>Lolium rigidum</i> population is governed by one major nuclear gene. <i>Theoretical and Applied Genetics</i> , 2009, 118, 1601-1608. | 1.8 | 26 |
| 40 | Mutations of the ALS gene endowing resistance to ALS-inhibiting herbicides in <i>Lolium rigidum</i> populations. <i>Pest Management Science</i> , 2008, 64, 1229-1236. | 1.7 | 134 |
| 41 | A protein extraction method compatible with proteomic analysis for the eukaryote <i>Salicornia europaea</i> . <i>Electrophoresis</i> , 2007, 28, 3976-3987. | 1.3 | 116 |