Shiv S Kaundun

List of Publications by Year
in descending order

29
papers

1,021
citations

623574
14
h-index

477173
29
g-index

30
all docs

30
docs citations

30
times ranked

735
citing authors

#	Article	IF	Citations
1	Resistance to acetylâ€<scp>CoA</scp> carboxylaseâ€inhibiting herbicides. Pest Management Science, 2014, 70, 1405-1417.	1.7	196
2	Distinct Detoxification Mechanisms Confer Resistance to Mesotrione and Atrazine in a Population of Waterhemp Â Â Â. Plant Physiology, 2013, 163, 363-377.	2.3	140
3	Resistance to HPPDâ€inhibiting herbicides in a population of waterhemp (<i>Amaranthus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.7	104
4	Importance of the P106S Target-Site Mutation in Conferring Resistance to Glyphosate in a Goosegrass (<i>Eleusine indica</i>) Population from the Philippines. Weed Science, 2008, 56, 637-646.	0.8	79
5	A Novel P106L Mutation in EPSPS and an Unknown Mechanism(s) Act Additively To Confer Resistance to Glyphosate in a South African <i>Lolium rigidum</i> Population. Journal of Agricultural and Food Chemistry, 2011, 59, 3227-3233.	2.4	77
6	An aspartate to glycine change in the carboxyl transferase domain of acetyl CoA carboxylase and nonâ€targetâ€site mechanism(s) confer resistance to ACCase inhibitor herbicides in a <i>Lolium multiflorum</i> population. Pest Management Science, 2010, 66, 1249-1256.	1.7	68
7	Mechanism of resistance to mesotrione in an Amaranthus tuberculatus population from Nebraska, USA. PLoS ONE, 2017, 12, e0180095.	1.1	39
8	A Novel W1999S Mutation and Non-Target Site Resistance Impact on Acetyl-CoA Carboxylase Inhibiting Herbicides to Varying Degrees in a UK Lolium multiflorum Population. PLoS ONE, 2013, 8, e58012.	1.1	38
9	Role of a Novel I1781T Mutation and Other Mechanisms in Conferring Resistance to Acetyl-CoA Carboxylase Inhibiting Herbicides in a Black-Grass Population. PLoS ONE, 2013, 8, e69568.	1.1	37
10	Broad Resistance to ACCase Inhibiting Herbicides in a Ryegrass Population Is Due Only to a Cysteine to Arginine Mutation in the Target Enzyme. PLoS ONE, 2012, 7, e39759.	1.1	33
11	A generalised individual-based algorithm forÂmodelling the evolution of quantitative herbicide resistance in arable weed populations. Pest Management Science, 2017, 73, 462-474.	1.7	22
12	Molecular evidence for maternal inheritance of the chloroplast genome in tea, <i>Camellia sinensis</i> (L.) O. Kuntze. Journal of the Science of Food and Agriculture, 2011, 91, 2660-2663.	1.7	21
13	Taxonomy and systematics of the genus Pinus based on morphological, biogeographical and biochemical characters. Plant Systematics and Evolution, 2010, 284, 1-15.	0.3	19
14	Real-time quantitative PCR assays for quantification of L1781 ACCase inhibitor resistance allele in leaf and seed pools ofLolium populations. Pest Management Science, 2006, 62, 1082-1091.	1.7	14
15	Molecular Basis of Resistance to Herbicides Inhibiting Acetolactate Synthase in Two Rigid Ryegrass (<i>Lolium rigidum</i>) Populations from Australia. Weed Science, 2012, 60, 172-178.	0.8	14
16	Syngenta's contribution to herbicide resistance research and management. Pest Management Science, 2021, 77, 1564-1571.	1.7	14
17	Metabolic Pathway of Topramezone in Multiple-Resistant Waterhemp (Amaranthus tuberculatus) Differs From Naturally Tolerant Maize. Frontiers in Plant Science, 2018, 9, 1644.	1.7	13
18	Resistance to a nonselective 4â€hydroxyphenylpyruvate dioxygenaseâ€inhibiting herbicide via novel reductionâ€"dehydrationâ€"glutathione conjugation in Amaranthus tuberculatus. New Phytologist, 2021, 232, 2089-2105.	3.5	13

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19	Evolution of Target-Site Resistance to Glyphosate in an Amaranthus palmeri Population from Argentina and Its Expression at Different Plant Growth Temperatures. Plants, 2019, 8, 512.	1.6	12
20	Metabolic Pathways for<i>S</i>-Metolachlor Detoxification Differ Between Tolerant Corn and Multiple-Resistant Waterhemp. Plant and Cell Physiology, 2021, 62, 1770-1785.	1.5	12
21	A Simple In-Season Bioassay for Detecting Glyphosate Resistance in Grass and Broadleaf Weeds Prior to Herbicide Application in the Field. Weed Science, 2014, 62, 597-607.	0.8	11
22	Modeling the sustainability and economics of stacked herbicide-tolerant traits and early weed management strategy for waterhemp (<i>Amaranthus tuberculatus</i>) control. Weed Science, 2020, 68, 179-185.	0.8	11
23	Derived Polymorphic Amplified Cleaved Sequence (dPACS): A Novel PCR-RFLP Procedure for Detecting Known Single Nucleotide and Deletionâ€“Insertion Polymorphisms. International Journal of Molecular Sciences, 2019, 20, 3193.	1.8	9
24	An individualâ€based model of seedâ€•and rhizomeâ€propagated perennial plant species and sustainable management of Sorghum halepense in soybean production systems in Argentina. Ecology and Evolution, 2019, 9, 10017-10028.	0.8	7
25	Impact of a Novel W2027L Mutation and Non-Target Site Resistance on Acetyl-CoA Carboxylase-Inhibiting Herbicides in a French Lolium multiflorum Population. Genes, 2021, 12, 1838.	1.0	6
26	A derived Polymorphic Amplified Cleaved Sequence assay for detecting the Î”210 PPX2L codon deletion conferring targetâ€site resistance to protoporphyrinogen oxidaseâ€inhibiting herbicides. Pest Management Science, 2020, 76, 789-796.	1.7	5
27	Fitness Cost Associated With Enhanced EPSPS Gene Copy Number and Glyphosate Resistance in an Amaranthus tuberculatus Population. Frontiers in Plant Science, 2021, 12, 651381.	1.7	3
28	A holistic approach in herbicide resistance research and management: from resistance detection to sustainable weed control. Scientific Reports, 2020, 10, 20741.	1.6	2
29	Modelling the Effect and Variability of Integrated Weed Management of Phalaris minor in Rice-Wheat Cropping Systems in Northern India. Agronomy, 2021, 11, 2331.	1.3	1