Shiv S Kaundun

List of Publications by Year
in descending order

29	1,021	623574 14	477173 29
papers	citations	h-index	g-index

30	30	30	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Syngenta's contribution to herbicide resistance research and management. Pest Management Science, 2021, 77, 1564-1571.	1.7	14
2	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
3	Metabolic Pathways forS-Metolachlor Detoxification Differ Between Tolerant Corn and Multiple-Resistant Waterhemp. Plant and Cell Physiology, 2021, 62, 1770-1785.	1.5	12
4	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
5	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
6	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
7	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
8	A holistic approach in herbicide resistance research and management: from resistance detection to sustainable weed control. Scientific Reports, 2020, 10, 20741.	1.6	2
9	Modeling the sustainability and economics of stacked herbicide-tolerant traits and early weed management strategy for waterhemp (Amaranthus tuberculatus) control. Weed Science, 2020, 68, 179-185.	0.8	11
10	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
11	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
12	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
13	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
14	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
15	Mechanism of resistance to mesotrione in an Amaranthus tuberculatus population from Nebraska, USA. PLoS ONE, 2017, 12, e0180095.	1.1	39
16	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
17	Resistance to acetylâ€<scp>CoA</scp> carboxylaseâ€inhibiting herbicides. Pest Management Science, 2014, 70, 1405-1417.	1.7	196
18	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

#	Article	IF	Citations
19	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
20	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
21	Molecular Basis of Resistance to Herbicides Inhibiting Acetolactate Synthase in Two Rigid Ryegrass (Lolium rigidum) Populations from Australia. Weed Science, 2012, 60, 172-178.	0.8	14
22	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
23	A Novel P106L Mutation in EPSPS and an Unknown Mechanism(s) Act Additively To Confer Resistance to Glyphosate in a South African Lolium rigidum Population. Journal of Agricultural and Food Chemistry, 2011, 59, 3227-3233.	2.4	77
24	Resistance to HPPDâ€inhibiting herbicides in a population of waterhemp (Amaranthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.7	104
25	Molecular evidence for maternal inheritance of the chloroplast genome in tea, Camellia sinensis (L.) O. Kuntze. Journal of the Science of Food and Agriculture, 2011, 91, 2660-2663.	1.7	21
26	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
27	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 Lolium multiflorum population. Pest Management Science, 2010, 66, 1249-1256.	1.7	68
28	Importance of the P106S Target-Site Mutation in Conferring Resistance to Glyphosate in a Goosegrass (Eleusine indica) Population from the Philippines. Weed Science, 2008, 56, 637-646.	0.8	79
29	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