

Satoshi Iwakami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

577
citations

12
h-index

24
g-index

26
ext. papers

834
ext. citations

5.1
avg. IF

4.32
L-index

#	Paper	IF	Citations
22	Precision genome editing in plants via gene targeting and subsequent break-induced single-strand annealing. <i>Plant Biotechnology Journal</i> , 2021 , 19, 563-574	11.6	8
21	Cytochrome P450-mediated herbicide metabolism in plants: current understanding and prospects. <i>Pest Management Science</i> , 2021 , 77, 22-32	4.6	28
20	Heterologous expression of CYP81A6 from rice (<i>Oryza sativa</i>) in <i>Escherichia coli</i> and structural analyses of bensulfuron-methyl metabolites. <i>Weed Biology and Management</i> , 2021 , 21, 164-171	1.4	2
19	Gene expression shapes the patterns of parallel evolution of herbicide resistance in the agricultural weed <i>Monochoria vaginalis</i> . <i>New Phytologist</i> , 2021 , 232, 928-940	9.8	3
18	Investigation of clomazone-tolerance mechanism in a long-grain cultivar of rice. <i>Pest Management Science</i> , 2021 , 77, 2454-2461	4.6	3
17	Quinclorac resistance in <i>Echinochloa phyllopogon</i> is associated with reduced ethylene synthesis rather than enhanced cyanide detoxification by β -cyanoalanine synthase. <i>Pest Management Science</i> , 2020 , 76, 1195-1204	4.6	8
16	Characterization of the acetolactate synthase gene family in sensitive and resistant biotypes of two tetraploid <i>Monochoria</i> weeds, <i>M. vaginalis</i> and <i>M. korsakowii</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020 , 165, 104506	4.9	3
15	Functional characterization of cytochrome P450 CYP81A subfamily to disclose the pattern of cross-resistance in <i>Echinochloa phyllopogon</i> . <i>Plant Molecular Biology</i> , 2020 , 102, 403-416	4.6	25
14	Role of CYP81A cytochrome P450s in clomazone metabolism in <i>Echinochloa phyllopogon</i> . <i>Plant Science</i> , 2019 , 283, 321-328	5.3	32
13	Herbicide Metabolism: Crop Selectivity, Bioactivation, Weed Resistance, and Regulation. <i>Weed Science</i> , 2019 , 67, 149-175	2	35
12	CYP81A P450s are involved in concomitant cross-resistance to acetolactate synthase and acetyl-CoA carboxylase herbicides in <i>Echinochloa phyllopogon</i> . <i>New Phytologist</i> , 2019 , 221, 2112-2122	9.8	55
11	Towards the understanding of the mechanism of multiple-herbicide resistance in <i>Echinochloa phyllopogon</i> . <i>Japanese Journal of Pesticide Science</i> , 2018 , 43, 40-45	0	
10	Mutations of acetolactate synthase gene and response of sulfonylurea-resistant biotypes of <i>Sagittaria trifolia</i> L. to several herbicides in Yamagata, Japan. <i>Journal of Weed Science and Technology</i> , 2017 , 62, 117-125	0	1
9	Copy Number Variation in Acetolactate Synthase Genes of Thifensulfuron-Methyl Resistant (Shortawn Foxtail) Accessions in Japan. <i>Frontiers in Plant Science</i> , 2017 , 8, 254	6.2	21
8	Multiple-herbicide resistance in <i>Echinochloa crus-galli</i> var. <i>formosensis</i> , an allohexaploid weed species, in dry-seeded rice. <i>Pesticide Biochemistry and Physiology</i> , 2015 , 119, 1-8	4.9	29
7	Study on the molecular mechanism of non-target-site resistance in several paddy weeds. <i>Journal of Weed Science and Technology</i> , 2015 , 60, 169-173	0	
6	Cytochrome P450 genes induced by bispyribac-sodium treatment in a multiple-herbicide-resistant biotype of <i>Echinochloa phyllopogon</i> . <i>Pest Management Science</i> , 2014 , 70, 549-58	4.6	69

5	A novel rice cytochrome P450 gene, CYP72A31, confers tolerance to acetolactate synthase-inhibiting herbicides in rice and Arabidopsis. <i>Plant Physiology</i> , 2014 , 166, 1232-40	6.6	73
4	Cytochrome P450 CYP81A12 and CYP81A21 Are Associated with Resistance to Two Acetolactate Synthase Inhibitors in Echinochloa phyllopogon. <i>Plant Physiology</i> , 2014 , 165, 618-629	6.6	97
3	Occurrence of sulfonylurea resistance in Sagittaria trifolia, a basal monocot species, based on target-site and non-target-site resistance. <i>Weed Biology and Management</i> , 2014 , 14, 43-49	1.4	21
2	Isolation and expression of genes for acetolactate synthase and acetyl-CoA carboxylase in Echinochloa phyllopogon, a polyploid weed species. <i>Pest Management Science</i> , 2012 , 68, 1098-106	4.6	64
1	Thiobencarb resistance mechanism is distinct from CYP81A-based cross-resistance in late watergrass (Echinochloa phyllopogon). <i>Weed Science</i> , 1-7	2	0