

Akira Uchino

List of Publications by Year in descending order

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39
papers

987
citations

567281

15
h-index

454955

30
g-index

41
all docs

41
docs citations

41
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors destabilizing the control of <i>Monochoria vaginalis</i> by rice bran: its conflicting powers influence both suppression and promotion of germination in paddy soil. <i>Plant Production Science</i> , 2021, 24, 83-93.	2.0	3
2	Suppressive activity of volatile fatty acids and aromatic carboxylic acids on the germination of <i>Monochoria vaginalis</i> . <i>Plant Production Science</i> , 2021, 24, 505-511.	2.0	7
3	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.	7.3	11
4	Investigation of clomazone tolerance mechanism in a long-grain cultivar of rice. <i>Pest Management Science</i> , 2021, 77, 2454-2461.	3.4	6
5	Quinclorac resistance in <i>Echinochloa phyllopogon</i> is associated with reduced ethylene synthesis rather than enhanced cyanide detoxification by Î²-cyanoalanine synthase. <i>Pest Management Science</i> , 2020, 76, 1195-1204.	3.4	16
6	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.	3.6	10
7	Role of CYP81A cytochrome P450s in clomazone metabolism in <i>Echinochloa phyllopogon</i> . <i>Plant Science</i> , 2019, 283, 321-328.	3.6	49
8	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.	7.3	112
9	Promotive effect of soil solution on germination of <i>Monochoria vaginalis</i> under paddy conditions. <i>Soil Science and Plant Nutrition</i> , 2018, 64, 396-405.	1.9	6
10	Biology and mechanisms of sulfonyleurea resistance in <i>Schoenoplectiella juncooides</i> , a noxious sedge in the rice paddy fields of Japan. <i>Weed Biology and Management</i> , 2017, 17, 125-135.	1.4	9
11	Mutations of acetolactate synthase gene and response of sulfonyleurea-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	1
12	Copy Number Variation in Acetolactate Synthase Genes of Thifensulfuron-Methyl Resistant <i>Alopecurus aequalis</i> (Shortawn Foxtail) Accessions in Japan. <i>Frontiers in Plant Science</i> , 2017, 8, 254.	3.6	30
13	Relationship between physical property of soil and growth of <i>Monochoria vaginalis</i> under paddy condition of organic farming analysis using settled soil volume in water of superficial layer. <i>Plant Production Science</i> , 2016, 19, 238-245.	2.0	6
14	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.	3.6	48
15	Occurrence of sulfonyleurea resistance in <i>Sagittaria trifolia</i> , 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	27
16	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, 549-558.	3.4	102
17	Cytochrome P450 CYP81A12 and CYP81A21 Are Associated with Resistance to Two Acetolactate Synthase Inhibitors in <i>Echinochloa phyllopogon</i> . <i>Plant Physiology</i> , 2014, 165, 618-629.	4.8	148
18	Genetic diversity within and between sulfonyleurea-resistant and susceptible populations of <i>Schoenoplectus juncooides</i> in Japan. <i>Weed Research</i> , 2013, 53, 290-298.	1.7	8

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19	Suppressive effect of rice bran incorporation in paddy soil on germination of <i>Monochoria vaginalis</i> and its relationship with electric conductivity. <i>Soil Science and Plant Nutrition</i> , 2012, 58, 200-205.	1.9	12
20	Isolation and expression of genes for acetolactate synthase and acetyl-CoA carboxylase in <i>Echinochloa phyllopogon</i> , a polyploid weed species. <i>Pest Management Science</i> , 2012, 68, 1098-1106.	3.4	79
21	Hybridizations and genetic relationships among <i>Lindernia</i> species (Scrophulariaceae): <i>L. procumbens</i> and two subspecies of <i>L. dubia</i> . <i>Aquatic Botany</i> , 2011, 94, 165-171.	1.6	2
22	Tolerance of Rice (<i>Oryza sativa</i> L.) and <i>Echinochloa</i> Weeds to Growth Suppression by Rice Straw Added to Paddy Soil in Relation to Iron Toxicity. <i>Plant Production Science</i> , 2010, 13, 314-318.	2.0	10
23	Dose responses to bensulfuron-methyl and mutations of the acetolactate synthase gene in <i>Sagittaria pygmaea</i> biotypes collected in Yamagata and Aichi Prefecture.. <i>Journal of Weed Science and Technology</i> , 2010, 55, 254-257.	0.1	0
24	Effects of ferrous iron (Fe) on the germination and root elongation of paddy rice and weeds. <i>Weed Biology and Management</i> , 2009, 9, 20-26.	1.4	19
25	Difference in ultraweak photon emissions between sulfonylurea-resistant and sulfonylurea-susceptible biotypes of <i>Scirpus juncooides</i> following the application of a sulfonylurea herbicide. <i>Weed Biology and Management</i> , 2008, 8, 78-84.	1.4	11
26	Molecular basis of diverse responses to acetolactate synthase-inhibiting herbicides in sulfonylurea-resistant biotypes of <i>Schoenoplectus juncooides</i> . <i>Weed Biology and Management</i> , 2007, 7, 89-96.	1.4	74
27	Effects of pyruvate and sucrose on acetolactate synthase activity in <i>Lindernia</i> species and <i>Schoenoplectus juncooides</i> in an <i>in vivo</i> assay. <i>Weed Biology and Management</i> , 2007, 7, 184-187.	1.4	7
28	Molecular Characterization of Resistance to Acetolactate Synthase Inhibitors in <i>Lindernia micrantha</i> : Origin and Expansion of Resistant Biotypes. <i>ACS Symposium Series</i> , 2005, , 244-254.	0.5	0
29	Resistance to ALS-Inhibiting Herbicides in Weeds. <i>Journal of Pesticide Sciences</i> , 2003, 28, 479-483.	1.4	3
30	Inheritance of Sulfonylurea Resistance in a Paddy Weed, <i>Monochoria korsakowii</i> . <i>Journal of Pesticide Sciences</i> , 2003, 28, 212-214.	1.4	9
31	Estimation of Out-Crossing Rate in <i>Monochoria korsakowii</i> Using the Herbicide Resistance Trait as a Marker. <i>Journal of Pesticide Sciences</i> , 2003, 28, 429-430.	1.4	2
32	Mutations in the acetolactate synthase genes of sulfonylurea-resistant biotypes of <i>Lindernia</i> spp.. <i>Weed Biology and Management</i> , 2002, 2, 104-109.	1.4	56
33	Sulfonylurea-Resistant Weeds in Paddy Rice Fields of Japan. <i>ACS Symposium Series</i> , 2001, , 168-180.	0.5	2
34	Response of a Sulfonylurea (SU)-Resistant Biotype of <i>Limnophila sessiliflora</i> to Selected SU and Alternative Herbicides. <i>Pesticide Biochemistry and Physiology</i> , 2000, 68, 59-66.	3.6	15
35	Sulfonylurea Resistant Biotypes of <i>Lindernia</i> Species in the Tohoku Region and their Response to Several Herbicides.. <i>Journal of Weed Science and Technology</i> , 2000, 45, 13-20.	0.1	17
36	Light Requirement in Rapid Diagnosis of Sulfonylurea-Resistant Weeds of <i>Lindernia</i> spp. (Scrophulariaceae). <i>Weed Technology</i> , 1999, 13, 680-684.	0.9	28

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37	C4-type gene expression is not directly dependent on Kranz anatomy in an amphibious sedge <i>Eleocharis vivipara</i> Link. <i>Plant Journal</i> , 1998, 14, 565-572.	5.7	14
38	Photosynthetic Carbon Metabolism in an Amphibious Sedge, <i>Eleocharis baldwinii</i> (Torr.) Chapman: Modified Expression of C4 Characteristics under Submerged Aquatic Conditions. <i>Plant and Cell Physiology</i> , 1995, 36, 229-238.	3.1	25
39	Suppressive and promotive effects of rice bran on germination of <i>Monochoria vaginalis</i> in organic rice (<i>Oryza sativa</i> L.) production. <i>Soil Science and Plant Nutrition</i> , 0, , 1-9.	1.9	1