Hanwen Wu

List of Publications by Year
in descending order

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Version: 2024-02-01

65 papers	1,709 citations	304743 22 h-index	315739 38 g-index
65 all docs	65 docs citations	65 times ranked	1561 citing authors

#	Article	IF	Citations
1	Allelopathy in wheat (Triticum aestivum). Annals of Applied Biology, 2001, 139, 1-9.	2.5	102
2	Germination, persistence, and emergence of flaxleaf fleabane (Conyza bonariensis [L.]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.4	86
3	Distribution and Exudation of Allelochemicals in Wheat Triticum aestivum. Journal of Chemical Ecology, 2000, 26, 2141-2154.	1.8	81
4	Autotoxicity of wheat (Triticum aestivum L.) as determined by laboratory bioassays. Plant and Soil, 2007, 296, 85-93.	3.7	76
5	Allelochemicals in Wheat (TriticumAestivumL.):Â Variation of Phenolic Acids in Root Tissues. Journal of Agricultural and Food Chemistry, 2000, 48, 5321-5325.	5.2	72
6	Simultaneous determination of phenolic acids and 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one in wheat (Triticum aestivum L.) by gas chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 1999, 864, 315-321.	3.7	65
7	Allelochemicals in wheat (Triticum aestivum L.): production and exudation of 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one. Journal of Chemical Ecology, 2001, 27, 1691-1700.	1.8	63
8	Quantitative trait loci and molecular markers associated with wheat allelopathy. Theoretical and Applied Genetics, 2003, 107, 1477-1481.	3.6	62
9	Allelochemicals in Wheat (Triticum aestivumL.):Â Cultivar Difference in the Exudation of Phenolic Acids. Journal of Agricultural and Food Chemistry, 2001, 49, 3742-3745.	5.2	60
10	Correlation between phytotoxicity on annual ryegirass (Lolium rigidum) and production dynamics of allelochemicals within root exudates of an allelopathic wheat. Journal of Chemical Ecology, 2003, 29, 2263-2279.	1.8	56
11	Chemical composition of essential oils of four Eucalyptus species and their phytotoxicity on silverleaf nightshade (Solanum elaeagnifolium Cav.) in Australia. Plant Growth Regulation, 2012, 68, 231-237.	3.4	56
12	Allelochemicals in wheat (Triticum aestivum L.): variation of phenolic acids in shoot tissues. Journal of Chemical Ecology, 2001, 27, 125-135.	1.8	55
13	Lavender as a Source of Novel Plant Compounds for the Development of a Natural Herbicide. Journal of Chemical Ecology, 2009, 35, 1129-1136.	1.8	52
14	Biochemical Basis for Wheat Seedling Allelopathy on the Suppression of Annual Ryegrass (Lolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.2	50
15	Barnyard grass stress up regulates the biosynthesis of phenolic compounds in allelopathic rice. Journal of Plant Physiology, 2012, 169, 1747-1753.	3.5	46
16	Soil labile carbon and nitrogen pools and microbial metabolic diversity under winter crops in an arid environment. Applied Soil Ecology, 2012, 53, 49-55.	4.3	41
17	Competitive ability of Australian canola (Brassica napus) genotypes for weed management. Crop and Pasture Science, 2014, 65, 1300.	1.5	37
18	Factors Affecting Silverleaf Nightshade (Solanum elaeagnifolium) Germination. Weed Science, 2012, 60, 42-47.	1.5	31

#	Article	IF	Citations
19	Goosegrass (Eleusine indica) density effects on cotton (Gossypium hirsutum). Journal of Integrative Agriculture, 2015, 14, 1778-1785.	3.5	30
20	Dynamics of soil extractable carbon and nitrogen under different cover crop residues. Journal of Soils and Sediments, 2012, 12, 844-853.	3.0	28
21	Symbiotic nitrogen fixation and soil N availability under legume crops in an arid environment. Journal of Soils and Sediments, 2011, 11, 762-770.	3.0	26
22	Competition of sorghum cultivars and densities with Japanese millet (Echinochloa esculenta). Weed Biology and Management, 2010, 10, 185-193.	1.4	24
23	Species Identification of Conyza bonariensis Assisted by Chloroplast Genome Sequencing. Frontiers in Genetics, 2018, 9, 374.	2.3	24
24	Phytotoxic Effects of Wheat Extracts on a Herbicide-Resistant Biotype of Annual Ryegrass (Lolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	23
25	The short-term cover crops increase soil labile organic carbon in southeastern Australia. Biology and Fertility of Soils, 2012, 48, 239-244.	4.3	22
26	Intrusive trichome bases in the leaves of silverleaf nightshade (Solanum elaeagnifolium;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 2307-2317.	1.7	21
27	Phytotoxic Activity and Chemical Composition of Aqueous Volatile Fractions from Eucalyptus Species. PLoS ONE, 2014, 9, e93189.	2.5	21
28	Conditional genetic effect of allelopathy in rice (Oryza sativa L.) under different environmental conditions. Plant Growth Regulation, 2004, 44, 211-218.	3.4	20
29	Control of Flaxleaf Fleabane (Conyza bonariensis) in Wheat and Sorghum. Weed Technology, 2010, 24, 102-107.	0.9	20
30	Development of SSR Markers for Genetic Analysis of Silverleaf Nightshade (Solanum elaeagnifolium) and Related Species. Plant Molecular Biology Reporter, 2013, 31, 248-254.	1.8	20
31	A strategy of rapidly screening out herbicidal chemicals from Eucalyptus essential oils. Pest Management Science, 2020, 76, 917-927.	3.4	18
32	Plants with phytotoxic potential: Wollemi pine (Wollemia nobilis). Agriculture, Ecosystems and Environment, 2010, 135, 52-57.	5.3	17
33	Agronomic interventions for weed management in canola (Brassica napus L.) â€“ A review. Crop Protection, 2017, 95, 69-73.	2.1	17
34	The weed suppressive ability of selected Australian grain crops; caseÂstudies from the Riverina region in New South Wales. Crop Protection, 2018, 103, 9-19.	2.1	17
35	Interference between Redroot Pigweed (Amaranthus retroflexus L.) and Cotton (Gossypium hirsutum) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	17
36	Evaluation of simple sequence repeat (SSR) markers from Solanum crop species for Solanum elaeagnifolium. Weed Research, 2012, 52, 217-223.	1.7	16

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37	Weed management in canola (Brassica napus L): a review of current constraints and future strategies for Australia. Archives of Agronomy and Soil Science, 2020, 66, 427-444.	2.6	16
38	Growth Analysis of Cotton in Competition with Velvetleaf (Abutilon theophrasti). Weed Technology, 2016, 30, 123-136.	0.9	15
39	Short-term contributions of cover crop surface residue return to soil carbon and nitrogen contents in temperate Australia. Environmental Science and Pollution Research, 2016, 23, 23175-23183.	5.3	15
40	Herbicidal control of Solanum elaeagnifolium Cav. in Australia. Crop Protection, 2016, 88, 58-64.	2.1	15
41	Metabolic profiling of benzoxazinoids in the roots and rhizosphere of commercial winter wheat genotypes. Plant and Soil, 2021, 466, 467-489.	3.7	15
42	A novel screening method for rice allelopathic potential: the inhibitoryâ€circle method. Weed Research, 2015, 55, 441-448.	1.7	14
43	Evaluation of six candidate DNA barcode loci for identification of five important invasive grasses in eastern Australia. PLoS ONE, 2017, 12, e0175338.	2.5	14
44	Modelling tritrophic interactions mediated by induced defence volatiles. Ecological Modelling, 2009, 220, 3241-3247.	2.5	12
45	Incidence of endophyte Neotyphodium occultans in Lolium rigidum from Australia. Weed Research, 2011, 51, 261-272.	1.7	12
46	Weed flora and seed yield in quinoa crop (Chenopodium quinoaWilld.) as affected by tillage systems and fertilization practices. International Journal of Pest Management, 2015, 61, 228-234.	1.8	11
47	Weed and insect control affected by mixing insecticides with glyphosate in cotton. Journal of Integrative Agriculture, 2016, 15, 373-380.	3.5	11
48	Seeding rate and cultivar effects on canola (Brassica napus) competition with volunteer wheat (Triticum aestivum). Crop and Pasture Science, 2016, 67, 857.	1.5	11
49	Cadmium accumulation in Agaricusblazei Murrill. Journal of the Science of Food and Agriculture, 2008, 88, 1369-1375.	3.5	9
50	Morphological variation of <scp>S</scp>olanum elaeagnifolium in southâ€eastern <scp>A</scp>ustralia. Weed Research, 2013, 53, 344-354.	1.7	9
51	Seed treatments alleviate dormancy of field bindweed (Convolvulus arvensisL.). Weed Technology, 2018, 32, 564-569.	0.9	9
52	The Remarkable Journey of a Weed: Biology and Management of Annual Ryegrass (Lolium rigidum) in Conservation Cropping Systems of Australia. Plants, 2021, 10, 1505.	3.5	9
53	Time of emergence impacts the growth and reproduction of silverleaf nightshade (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	7
54	Recent Advances in Wheat Allelopathy. , 2008, , 235-254.		6

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55	Germination and emergence characteristics of prickly lettuce (Lactuca serriola L.). Crop Protection, 2020, 136, 105222.	2.1	6
56	Resistance Mechanism to Metsulfuron-Methyl in Polypogon fugax. Plants, 2021, 10, 1309.	3.5	4
57	Germination of Solanum nigrum L. (Black Nightshade) in Response to Different Abiotic Factors. Planta Daninha, 0, 38, .	0.5	4
58	Changes in Cell Ca2+Distribution in Loquat Leaves and Its Effects on Cold Tolerance. Horticultural Science and Technology, 2014, 32, 607-613.	0.6	4
59	Emergence timing affects growth and reproduction of goosegrass (Eleusine indica). Weed Technology, 2019, 33, 833-839.	0.9	3
60	Genetic variation and structure of <scp>S</scp>olanum elaeagnifolium in <scp>A</scp>ustralia analysed by amplified fragment length polymorphism markers. Weed Research, 2013, 53, 337-343.	1.7	2
61	Seed Fecundity, Persistence, and Germination Biology of Prairie Groundcherry (Physalis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.5	2
62	Allelopathy from a Mathematical Modeling Perspective. , 2008, , 169-186.		1
63	Differential Frost Tolerance and Enzymatic Activities in the Leaves and Immature Fruits of Loquat (Eriobotrya japonica Lindl.). Horticultural Science and Technology, 2015, 33, 309-316.	0.6	1
64	Complete chloroplast genome of Chilean needle grass, Nassella neesiana (Poaceae: Stipeae). Mitochondrial DNA Part B: Resources, 2017, 2, 728-729.	0.4	0
65	Complete Chloroplast Genome Sequence of Cane Needle Grass, Nassella hyalina (Poaceae: Stipeae). Genome Announcements, 2017, 5, .	0.8	0