Chui-Hua Kong

List of Publications by Year
in descending order

63 papers	3,141 citations	117625 34 h-index	168389 53 g-index
63 all docs	63 docs citations	63 times ranked	2875 citing authors

#	Article	IF	Citations
1	Urease, invertase, dehydrogenase and polyphenoloxidase activities in paddy soil influenced by allelopathic rice variety. European Journal of Soil Biology, 2009, 45, 436-441.	3.2	193
2	Plant neighbor detection and allelochemical response are driven by root-secreted signaling chemicals. Nature Communications, 2018, 9, 3867.	12.8	170
3	Echinochloa crus-galli genome analysis provides insight into its adaptation and invasiveness as a weed. Nature Communications, 2017, 8, 1031.	12.8	138
4	Two compounds from allelopathic rice accession and their inhibitory activity on weeds and fungal pathogens. Phytochemistry, 2004, 65, 1123-1128.	2.9	116
5	Release and Activity of Allelochemicals from Allelopathic Rice Seedlings. Journal of Agricultural and Food Chemistry, 2004, 52, 2861-2865.	5.2	113
6	Impact of allelochemical exuded from allelopathic rice on soil microbial community. Soil Biology and Biochemistry, 2008, 40, 1862-1869.	8.8	113
7	Allelochemicals released by rice roots and residues in soil. Plant and Soil, 2006, 288, 47-56.	3.7	112
8	Allelochemicals and Signaling Chemicals in Plants. Molecules, 2019, 24, 2737.	3.8	108
9	Root exudate signals in plantâ€“plant interactions. Plant, Cell and Environment, 2021, 44, 1044-1058.	5.7	101
10	Rhizosphere isoflavones (daidzein and genistein) levels and their relation to the microbial community structure of mono-cropped soybean soil in field and controlled conditions. Soil Biology and Biochemistry, 2011, 43, 2257-2264.	8.8	91
11	Enhanced removal of p-nitrophenol in a microbial fuel cell after long-term operation and the catabolic versatility of its microbial community. Chemical Engineering Journal, 2018, 339, 424-431.	12.7	90
12	Activity and Allelopathy of Soil of FlavoneO-Glycosides from Rice. Journal of Agricultural and Food Chemistry, 2007, 55, 6007-6012.	5.2	74
13	Allelopathic potential and chemical constituents of volatiles from Ageratum conyzoides under stress. Journal of Chemical Ecology, 2002, 28, 1173-1182.	1.8	70
14	Breeding of commercially acceptable allelopathic rice cultivars in China. Pest Management Science, 2011, 67, 1100-1106.	3.4	67
15	Developing an ecological context for allelopathy. Plant Ecology, 2012, 213, 1221-1227.	1.6	66
16	5-Fluorouracil Derivatives from the SpongePhakellia fusca. Journal of Natural Products, 2003, 66, 285-288.	3.0	60
17	Distribution and Function of Allantoin (5-Ureidohydantoin) in Rice Grains. Journal of Agricultural and Food Chemistry, 2012, 60, 2793-2798.	5.2	60
18	A broadleaf species enhances an autotoxic conifers growth through belowground chemical interactions. Ecology, 2016, 97, 2283-2292.	3.2	58

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19	Herbicidal potential of allelochemicals from Lantana camara against Eichhornia crassipes and the alga Microcystis aeruginosa. Weed Research, 2006, 46, 290-295.	1.7	57
20	Kin recognition in rice (<i>Oryza sativa</i>) lines. New Phytologist, 2018, 220, 567-578.	7.3	57
21	Allelopathic interference of Ambrosia trifida with wheat (Triticum aestivum). Agriculture, Ecosystems and Environment, 2007, 119, 416-420.	5.3	56
22	Crabgrass (Digitaria sanguinalis) Allelochemicals That Interfere with Crop Growth and the Soil Microbial Community. Journal of Agricultural and Food Chemistry, 2013, 61, 5310-5317.	5.2	55
23	Allelopathic Potential and Chemical Constituents of Volatile Oil from Ageratum conyzoides. Journal of Chemical Ecology, 1999, 25, 2347-2356.	1.8	45
24	Effect of allelopathic rice varieties combined with cultural management options on paddy field weeds. Pest Management Science, 2008, 64, 276-282.	3.4	44
25	Interference of allelopathic wheat with different weeds. Pest Management Science, 2016, 72, 172-178.	3.4	44
26	Discovery of (2-benzoylethen-1-ol)-containing 1,2-benzothiazine derivatives as novel 4-hydroxyphenylpyruvate dioxygenase (HPPD) inhibiting-based herbicide lead compounds. Bioorganic and Medicinal Chemistry, 2016, 24, 92-103.	3.0	43
27	Fate and Impact on Microorganisms of Rice Allelochemicals in Paddy Soil. Journal of Agricultural and Food Chemistry, 2008, 56, 5043-5049.	5.2	42
28	Allelochemical tricin in rice hull and its aurone isomer against rice seedling rot disease. Pest Management Science, 2010, 66, 1018-1024.	3.4	42
29	Elimination of pyraclostrobin by simultaneous microbial degradation coupled with the Fenton process in microbial fuel cells and the microbial community. Bioresource Technology, 2018, 258, 227-233.	9.6	42
30	2,4-Dihydroxy-7-methoxy-1,4-benzoxazin-3-one (DIMBOA) and 6-Methoxy-benzoxazolin-2-one (MBOA) Levels in the Wheat Rhizosphere and Their Effect on the Soil Microbial Community Structure. Journal of Agricultural and Food Chemistry, 2010, 58, 12710-12716.	5.2	41
31	Allelochemicals and Activities in a Replanted Chinese Fir (Cunninghamia lanceolata (Lamb.) Hook) Tree Ecosystem. Journal of Agricultural and Food Chemistry, 2008, 56, 11734-11739.	5.2	39
32	Autoinhibition and soil allelochemical (cyclic dipeptide) levels in replanted Chinese fir (Cunninghamia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	38
33	Volatile Allelochemicals in the Ageratum conyzoides Intercropped Citrus Orchard and their Effects on Mites Amblyseius newsami and Panonychus citri. Journal of Chemical Ecology, 2005, 31, 2193-2203.	1.8	37
34	Developing an ecological context for allelopathy. Plant Ecology, 2012, 213, 1861-1867.	1.6	37
35	Allelochemicals and their transformations in the Ageratum conyzoides intercropped citrus orchard soils. Plant and Soil, 2004, 264, 149-157.	3.7	36
36	Allantoin involved in species interactions with rice and other organisms in paddy soil. Plant and Soil, 2007, 296, 43-51.	3.7	36

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37	Temporal variation of soil friedelin and microbial community under different land uses in a long-term agroecosystem. Soil Biology and Biochemistry, 2014, 69, 275-281.	8.8	33
38	Chemical Composition and Antimicrobial Activity of the Essential Oil from Ambrosia trifida L.. Molecules, 2006, 11, 549-555.	3.8	31
39	Effect of larch (Larix gmelini Rupr.) root exudates on Manchurian walnut (Juglans mandshurica) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.7	31
40	Allelobiosis in the interference of allelopathic wheat with weeds. Pest Management Science, 2016, 72, 2146-2153.	3.4	31
41	Intraâ€specific kin recognition contributes to interâ€specific allelopathy: A case study of allelopathic rice interference with paddy weeds. Plant, Cell and Environment, 2021, 44, 3709-3721.	5.7	31
42	Allelochemical-mediated soil microbial community in long-term monospecific Chinese fir forest plantations. Applied Soil Ecology, 2015, 96, 52-59.	4.3	30
43	Ecological pest management and control by using allelopathic weeds (<i>Ageratum conyzoides</i>,) Tj ETQq1 1 0.784314 rgBT /Overlo and Management, 2010, 10, 73-80.	1.4	29
44	Interference of allelopathic rice with paddy weeds at the root level. Plant Biology, 2017, 19, 584-591.	3.8	29
45	Using specific secondary metabolites as markers to evaluate allelopathic potentials of rice varieties and individual plants. Science Bulletin, 2002, 47, 839.	1.7	27
46	Allantoin-induced changes of microbial diversity and community in rice soil. Plant and Soil, 2010, 332, 357-368.	3.7	25
47	The levels of jasmonic acid and salicylic acid in a rice-barnyardgrass coexistence system and their relation to rice allelochemicals. Biochemical Systematics and Ecology, 2011, 39, 491-497.	1.3	25
48	Synthesis and herbicidal potential of substituted aurones. Pest Management Science, 2012, 68, 1512-1522.	3.4	24
49	Mobility and Microbial Activity of Allelochemicals in Soil. Journal of Agricultural and Food Chemistry, 2013, 61, 5072-5079.	5.2	22
50	Plant-soil feedback in the interference of allelopathic rice with barnyardgrass. Plant and Soil, 2014, 377, 309-321.	3.7	21
51	(-)-Loliolide, the most ubiquitous lactone, is involved in barnyardgrass-induced rice allelopathy. Journal of Experimental Botany, 2019, 71, 1540-1550.	4.8	21
52	The response of allelopathic rice growth and microbial feedback to barnyardgrass infestation in a paddy field experiment. European Journal of Soil Biology, 2013, 56, 26-32.	3.2	19
53	Response and relation of allantoin production in different rice cultivars to competing barnyardgrass. Plant Ecology, 2012, 213, 1917-1926.	1.6	16
54	Chemical constituents of the essential oils of wild oat and crabgrass and their effects on the growth and allelochemical production of wheat. Weed Biology and Management, 2013, 13, 62-69.	1.4	16

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55	Interference of allelopathic rice with penoxsulamâ€resistant barnyardgrass. Pest Management Science, 2017, 73, 2310-2317.	3.4	14
56	Geographical traceability of Eucommia ulmoides leaves using attenuated total reflection Fourier transform infrared and ultraviolet-visible spectroscopy combined with chemometrics and data fusion. Industrial Crops and Products, 2021, 160, 113090.	5.2	14
57	A Novel Diterpenoid from the Soft Coral <i>Sarcophyton crassocaule</i>. Chinese Journal of Chemistry, 2003, 21, 1506-1509.	4.9	12
58	Effect of allelochemical tricin and its related benzothiazine derivative on photosynthetic performance of herbicide-resistant barnyardgrass. Pesticide Biochemistry and Physiology, 2017, 143, 224-230.	3.6	11
59	Synthesis, fungicidal activity and structure-activity relationships of 3-benzoyl-4-hydroxylcoumarin derivatives. Pest Management Science, 2016, 72, 1381-1389.	3.4	10
60	Herbicidal efficacy and ecological safety of an allelochemicalâ€based benzothiazine derivative. Pest Management Science, 2019, 75, 2690-2697.	3.4	10
61	Reproduction allocation and potential mechanism of individual allelopathic rice plants in the presence of competing barnyardgrass. Pest Management Science, 2013, 69, 142-148.	3.4	7
62	Introduction to the special issue on allelopathy. Plant Ecology, 2012, 213, 1857-1859.	1.6	6
63	Mechanism of Aulacophora femoralis chinensis Weise feeding behavior and chemical response of host Cucumis sativus L.. Science Bulletin, 2004, 49, 1485.	1.7	5