Chui-Hua Kong

List of Publications by Year
in descending order

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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	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
2	Root exudate signals in plantâ€“plant interactions. Plant, Cell and Environment, 2021, 44, 1044-1058.	5.7	101
3	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
4	Allelochemicals and Signaling Chemicals in Plants. Molecules, 2019, 24, 2737.	3.8	108
5	(-)-Loliolide, the most ubiquitous lactone, is involved in barnyardgrass-induced rice allelopathy. Journal of Experimental Botany, 2019, 71, 1540-1550.	4.8	21
6	Herbicidal efficacy and ecological safety of an allelochemicalâ€based benzothiazine derivative. Pest Management Science, 2019, 75, 2690-2697.	3.4	10
7	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
8	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
9	Plant neighbor detection and allelochemical response are driven by root-secreted signaling chemicals. Nature Communications, 2018, 9, 3867.	12.8	170
10	Kin recognition in rice (Oryza sativa) lines. New Phytologist, 2018, 220, 567-578.	7.3	57
11	Interference of allelopathic rice with paddy weeds at the root level. Plant Biology, 2017, 19, 584-591.	3.8	29
12	Interference of allelopathic rice with penoxsulamâ€resistant barnyardgrass. Pest Management Science, 2017, 73, 2310-2317.	3.4	14
13	Echinochloa crus-galli genome analysis provides insight into its adaptation and invasiveness as a weed. Nature Communications, 2017, 8, 1031.	12.8	138
14	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
15	Allelobiosis in the interference of allelopathic wheat with weeds. Pest Management Science, 2016, 72, 2146-2153.	3.4	31
16	A broadleaf species enhances an autotoxic conifers growth through belowground chemical interactions. Ecology, 2016, 97, 2283-2292.	3.2	58
17	Synthesis, fungicidal activity and structure-activity relationships of 3-benzoyl-4-hydroxylcoumarin derivatives. Pest Management Science, 2016, 72, 1381-1389.	3.4	10
18	Interference of allelopathic wheat with different weeds. Pest Management Science, 2016, 72, 172-178.	3.4	44

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19	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
20	Allelochemical-mediated soil microbial community in long-term monospecific Chinese fir forest plantations. Applied Soil Ecology, 2015, 96, 52-59.	4.3	30
21	Autoinhibition and soil allelochemical (cyclic dipeptide) levels in replanted Chinese fir (Cunninghamia) Tj ETQq1 1 0.784314 rgBT /Ove	3.7	38
22	Plant-soil feedback in the interference of allelopathic rice with barnyardgrass. Plant and Soil, 2014, 377, 309-321.	3.7	21
23	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
24	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
25	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
26	Mobility and Microbial Activity of Allelochemicals in Soil. Journal of Agricultural and Food Chemistry, 2013, 61, 5072-5079.	5.2	22
27	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
28	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
29	Response and relation of allantoin production in different rice cultivars to competing barnyardgrass. Plant Ecology, 2012, 213, 1917-1926.	1.6	16
30	Developing an ecological context for allelopathy. Plant Ecology, 2012, 213, 1861-1867.	1.6	37
31	Introduction to the special issue on allelopathy. Plant Ecology, 2012, 213, 1857-1859.	1.6	6
32	Distribution and Function of Allantoin (5-Ureidohydantoin) in Rice Grains. Journal of Agricultural and Food Chemistry, 2012, 60, 2793-2798.	5.2	60
33	Developing an ecological context for allelopathy. Plant Ecology, 2012, 213, 1221-1227.	1.6	66
34	Synthesis and herbicidal potential of substituted aurones. Pest Management Science, 2012, 68, 1512-1522.	3.4	24
35	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
36	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

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37	Breeding of commercially acceptable allelopathic rice cultivars in China. Pest Management Science, 2011, 67, 1100-1106.	3.4	67
38	Effect of larch (Larix gmelini Rupr.) root exudates on Manchurian walnut (Juglans mandshurica) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	3.7	31
39	Allantoin-induced changes of microbial diversity and community in rice soil. Plant and Soil, 2010, 332, 357-368.	3.7	25
40	Allelochemical tricin in rice hull and its aurone isomer against rice seedling rot disease. Pest Management Science, 2010, 66, 1018-1024.	3.4	42
41	Ecological pest management and control by using allelopathic weeds (Ageratum conyzoides,) Tj ETQq1 1 0.784314 rgBT /Over and Management, 2010, 10, 73-80.	1.4	29
42	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
43	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
44	Effect of allelopathic rice varieties combined with cultural management options on paddy field weeds. Pest Management Science, 2008, 64, 276-282.	3.4	44
45	Impact of allelochemical exuded from allelopathic rice on soil microbial community. Soil Biology and Biochemistry, 2008, 40, 1862-1869.	8.8	113
46	Fate and Impact on Microorganisms of Rice Allelochemicals in Paddy Soil. Journal of Agricultural and Food Chemistry, 2008, 56, 5043-5049.	5.2	42
47	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
48	Activity and Allelopathy of Soil of FlavoneO-Glycosides from Rice. Journal of Agricultural and Food Chemistry, 2007, 55, 6007-6012.	5.2	74
49	Allelopathic interference of Ambrosia trifida with wheat (Triticum aestivum). Agriculture, Ecosystems and Environment, 2007, 119, 416-420.	5.3	56
50	Allantoin involved in species interactions with rice and other organisms in paddy soil. Plant and Soil, 2007, 296, 43-51.	3.7	36
51	Chemical Composition and Antimicrobial Activity of the Essential Oil from Ambrosia trifida L.. Molecules, 2006, 11, 549-555.	3.8	31
52	Herbicidal potential of allelochemicals from Lantana camara against Eichhornia crassipes and the alga Microcystis aeruginosa. Weed Research, 2006, 46, 290-295.	1.7	57
53	Allelochemicals released by rice roots and residues in soil. Plant and Soil, 2006, 288, 47-56.	3.7	112
54	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

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55	Mechanism of Aulacophora femoralis chinensis Weise feeding behavior and chemical response of host Cucumis sativus L.. Science Bulletin, 2004, 49, 1485.	1.7	5
56	Allelochemicals and their transformations in the Ageratum conyzoides intercropped citrus orchard soils. Plant and Soil, 2004, 264, 149-157.	3.7	36
57	Two compounds from allelopathic rice accession and their inhibitory activity on weeds and fungal pathogens. Phytochemistry, 2004, 65, 1123-1128.	2.9	116
58	Release and Activity of Allelochemicals from Allelopathic Rice Seedlings. Journal of Agricultural and Food Chemistry, 2004, 52, 2861-2865.	5.2	113
59	5-Fluorouracil Derivatives from the SpongePhakellia fusca. Journal of Natural Products, 2003, 66, 285-288.	3.0	60
60	A Novel Diterpenoid from the Soft Coral Sarcophyton crassocaule. Chinese Journal of Chemistry, 2003, 21, 1506-1509.	4.9	12
61	Allelopathic potential and chemical constituents of volatiles from Ageratum conyzoides under stress. Journal of Chemical Ecology, 2002, 28, 1173-1182.	1.8	70
62	Using specific secondary metabolites as markers to evaluate allelopathic potentials of rice varieties and individual plants. Science Bulletin, 2002, 47, 839.	1.7	27
63	Allelopathic Potential and Chemical Constituents of Volatile Oil from Ageratum conyzoides. Journal of Chemical Ecology, 1999, 25, 2347-2356.	1.8	45