

Chong Wang

List of Publications by Year in descending order

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62
papers

1,948
citations

236925

25
h-index

265206

42
g-index

67
all docs

67
docs citations

67
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid algorithm for the variable-sized bin-packing problem of pipe cutting in offshore platform construction. <i>Journal of Marine Science and Technology</i> , 2022, 27, 422-438.	2.9	0
2	Evaluating the effects of agricultural inputs on the soil quality of smallholdings using improved indices. <i>Catena</i> , 2022, 209, 105838.	5.0	21
3	Earthworm regulation of nitrogen pools and dynamics and marker genes of nitrogen cycling: A meta-analysis. <i>Pedosphere</i> , 2022, 32, 131-139.	4.0	16
4	Exploring wheat-based management strategies to balance agricultural production and environmental sustainability in a wheat~maize cropping system using the DNDC model. <i>Journal of Environmental Management</i> , 2022, 307, 114445.	7.8	9
5	Association of SNPs within <i>PTPN3</i> gene with wool production and growth traits in a dual-purpose sheep population. <i>Animal Biotechnology</i> , 2022, , 1-7.	1.5	1
6	Toward the economic-environmental sustainability of smallholder farming systems through judicious management strategies and optimized planting structures. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112619.	16.4	10
7	Optimizing wheat production and reducing environmental impacts through scientist~farmer engagement: Lessons from the North China Plain. <i>Food and Energy Security</i> , 2021, 10, e255.	4.3	14
8	Long-term effect of integrated fertilization on maize yield and soil fertility in a calcareous fluvisol. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1400-1410.	2.6	6
9	Application Research of Digital Twin-Driven Ship Intelligent Manufacturing System: Pipe Machining Production Line. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 338.	2.6	31
10	Methodology of Analyzing Maize Density Loss in Smallholder~Fields and Potential Optimize Approach. <i>Agriculture (Switzerland)</i> , 2021, 11, 480.	3.1	6
11	Field management practices drive ecosystem multifunctionality in a smallholder-dominated agricultural system. <i>Agriculture, Ecosystems and Environment</i> , 2021, 313, 107389.	5.3	34
12	Improving the sustainability of the wheat supply chain through multi-stakeholder engagement. <i>Journal of Cleaner Production</i> , 2021, 321, 128837.	9.3	11
13	Fertilizer and pesticide reduction in cherry tomato production to achieve multiple environmental benefits in Guangxi, China. <i>Science of the Total Environment</i> , 2021, 793, 148527.	8.0	31
14	The prograde-to-retrograde evolution of the Huangshaping skarn deposit (Nanling Range, South) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 2	4.1	29
15	Bioremediation by earthworms on soil microbial diversity and partial nitrification processes in oxytetracycline-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109996.	6.0	18
16	Vermicompost assisted arbuscular mycorrhizal fungi to transfer 15N from crop residues to lettuce. <i>Plant and Soil</i> , 2020, 456, 175-187.	3.7	6
17	Structural Changes and Evolution of Peptides During Chill Storage of Pork. <i>Frontiers in Nutrition</i> , 2020, 7, 151.	3.7	10
18	Multi-Objective Optimization of Smallholder Apple Production: Lessons from the Bohai Bay Region. <i>Sustainability</i> , 2020, 12, 6496.	3.2	6

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19	Research on Real-Time Optimal Path Planning Model and Algorithm for Ship Block Transportation in Shipyard. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 991.	2.6	4
20	The relationship between soil bacteria and metal nutrient availability for uptake of apple trees in Chinese orchards. <i>Plant Growth Regulation</i> , 2020, 92, 181-193.	3.4	7
21	Heat Shock Protein DnaJ in <i>Pseudomonas aeruginosa</i> Affects Biofilm Formation via Pyocyanin Production. <i>Microorganisms</i> , 2020, 8, 395.	3.6	18
22	Saline-alkali soil applied with vermicompost and humic acid fertilizer improved macroaggregate microstructure to enhance salt leaching and inhibit nitrogen losses. <i>Applied Soil Ecology</i> , 2020, 156, 103705.	4.3	66
23	CNN-Based Tropical Cyclone Track Forecasting from Satellite Infrared Images. , 2020, , .		1
24	Vermicompost and humic fertilizer improve coastal saline soil by regulating soil aggregates and the bacterial community. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 281-293.	2.6	27
25	A general scenario of fish-eye crack initiation on the life of high-strength steels in the very high-cycle fatigue regime. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2183-2194.	3.4	26
26	Effects of earthworms and arbuscular mycorrhizal fungi on preventing <i>Fusarium oxysporum</i> infection in the strawberry plant. <i>Plant and Soil</i> , 2019, 443, 139-153.	3.7	9
27	Correlation of production constraints with the yield gap of apple cropping systems in Luochuan County, China. <i>Journal of Integrative Agriculture</i> , 2019, 18, 1714-1725.	3.5	25
28	Effects of salinity on the soil microbial community and soil fertility. <i>Journal of Integrative Agriculture</i> , 2019, 18, 1360-1368.	3.5	108
29	Rational trade-offs between yield increase and fertilizer inputs are essential for sustainable intensification: A case study in wheat-maize cropping systems in China. <i>Science of the Total Environment</i> , 2019, 679, 328-336.	8.0	50
30	Maize (<i>Zea mays</i>) growth and nutrient uptake following integrated improvement of vermicompost and humic acid fertilizer on coastal saline soil. <i>Applied Soil Ecology</i> , 2019, 142, 147-154.	4.3	95
31	Effects of Phenolic Acid Marinades on the Formation of Polycyclic Aromatic Hydrocarbons in Charcoal-Grilled Chicken Wings. <i>Journal of Food Protection</i> , 2019, 82, 684-690.	1.7	22
32	Integrated reclamation of saline soil nitrogen transformation in the hyphosphere by earthworms and arbuscular mycorrhizal fungus. <i>Applied Soil Ecology</i> , 2019, 135, 137-146.	4.3	19
33	A new method for soil health assessment based on Analytic Hierarchy Process and meta-analysis. <i>Science of the Total Environment</i> , 2019, 650, 2771-2777.	8.0	50
34	Nesting Problem of Irregular Shape Based on Motion Simulation. <i>Journal of Ship Production and Design</i> , 2019, , .	0.4	0
35	Efficient photopolymerization of thick pigmented systems using upconversion nanoparticles-assisted photochemistry. <i>Journal of Polymer Science Part A</i> , 2018, 56, 994-1002.	2.3	46
36	Linking plant ecological stoichiometry with soil nutrient and bacterial communities in apple orchards. <i>Applied Soil Ecology</i> , 2018, 126, 1-10.	4.3	35

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37	Hyphospheric impacts of earthworms and arbuscular mycorrhizal fungus on soil bacterial community to promote oxytetracycline degradation. <i>Journal of Hazardous Materials</i> , 2018, 341, 346-354.	12.4	49
38	Cooperation between arbuscular mycorrhizal fungi and earthworms promotes the physiological adaptation of maize under a high salt stress. <i>Plant and Soil</i> , 2018, 423, 125-140.	3.7	30
39	Dynamics of soil fertility and maize growth with lower environment impacts depending on a combination of organic and mineral fertilizer. <i>Journal of Soil Science and Plant Nutrition</i> , 2018, , 0-0.	3.4	2
40	60 GHz low-power LNA with high g_m – R_{out} transconductor stages in 65 nm CMOS. <i>Electronics Letters</i> , 2017, 53, 279-281.	1.0	8
41	Hyphosphere regulation of earthworms and arbuscular mycorrhizal fungus on soil N and P availability. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 542-550.	0.6	1
42	Proteome Analysis Using Isobaric Tags for Relative and Absolute Analysis Quantitation (iTRAQ) Reveals Alterations in Stress-Induced Dysfunctional Chicken Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2913-2922.	5.2	43
43	Effect of earthworms and arbuscular mycorrhizal fungi on the microbial community and maize growth under salt stress. <i>Applied Soil Ecology</i> , 2016, 107, 214-223.	4.3	45
44	Independent and combined effects of oxytetracycline and antibiotic-resistant <i>Escherichia coli</i> O157:H7 on soil microbial activity and partial nitrification processes. <i>Soil Biology and Biochemistry</i> , 2016, 98, 138-147.	8.8	17
45	Application of leaves to induce earthworms to reduce phenolic compounds released by decomposing plants. <i>European Journal of Soil Biology</i> , 2016, 75, 31-37.	3.2	13
46	Closing yield gaps in China by empowering smallholder farmers. <i>Nature</i> , 2016, 537, 671-674.	27.8	417
47	Improvement of the soil nitrogen content and maize growth by earthworms and arbuscular mycorrhizal fungi in soils polluted by oxytetracycline. <i>Science of the Total Environment</i> , 2016, 571, 926-934.	8.0	21
48	Rhizosphere interactions between earthworms (<i>Eisenia fetida</i>) and arbuscular mycorrhizal fungus (<i>Funneliformis mosseae</i>) promote utilization efficiency of phytate phosphorus in maize. <i>Applied Soil Ecology</i> , 2015, 94, 30-39.	4.3	37
49	Interactive impacts of earthworms (<i>Eisenia fetida</i>) and arbuscular mycorrhizal fungi (<i>Funneliformis</i>) Tj ETQq1 1 0.784314 rgBT/Overl	3.7	19
50	60 GHz broadband variable gain mixer using positive feedback in 65 nm CMOS. <i>Electronics Letters</i> , 2015, 51, 1503-1505.	1.0	6
51	Interaction between earthworms and arbuscular mycorrhizal fungi on the degradation of oxytetracycline in soils. <i>Soil Biology and Biochemistry</i> , 2015, 90, 283-292.	8.8	46
52	Life cycle assessment of wheat-maize rotation system emphasizing high crop yield and high resource use efficiency in Quzhou County. <i>Journal of Cleaner Production</i> , 2014, 68, 56-63.	9.3	76
53	Inoculating maize fields with earthworms (<i>Aporrectodea trapezoides</i>) and an arbuscular mycorrhizal fungus (<i>Rhizophagus intraradices</i>) improves mycorrhizal community structure and increases plant nutrient uptake. <i>Biology and Fertility of Soils</i> , 2013, 49, 1167-1178.	4.3	19
54	Impact of the earthworm <i>Aporrectodea trapezoides</i> and the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> on ^{15}N uptake by maize from wheat straw. <i>Biology and Fertility of Soils</i> , 2013, 49, 263-271.	4.3	30

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55	Effects of epigeic earthworm (<i>Eisenia fetida</i>) and arbuscular mycorrhizal fungus (<i>Glomus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Biology and Fertility of Soils, 2012, 48, 879-887.	4.3	45
56	Earthworm (<i>Aporrectodea trapezoides</i>)'s mycorrhiza (<i>Glomus intraradices</i>) interaction and nitrogen and phosphorus uptake by maize. Biology and Fertility of Soils, 2012, 48, 75-85.	4.3	36
57	Function of mucilaginous secretions in the antibacterial immunity system of <i>Eisenia fetida</i> . Pedobiologia, 2011, 54, S57-S62.	1.2	11
58	Autophagy process is associated with anti-neoplastic function. Acta Biochimica Et Biophysica Sinica, 2011, 43, 425-432.	2.0	25
59	A novel antimicrobial vermipeptide family from earthworm <i>Eisenia fetida</i> . European Journal of Soil Biology, 2007, 43, S127-S134.	3.2	30
60	Purification of a Novel Antibacterial Short Peptide in Earthworm <i>Eisenia foetida</i> . Acta Biochimica Et Biophysica Sinica, 2004, 36, 297-302.	2.0	46
61	Ternary organic photovoltaics with J71 as donor and two compatible nonfullerene acceptors. Journal of Polymer Science, 0, , .	3.8	2
62	Stability of Bacterial Network Enhances Nutrient Content in Apple Trees. Journal of Soil Science and Plant Nutrition, 0, , .	3.4	1