Chong Wang

List of Publications by Year
in descending order

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62	1,948	236925	265206
papers	citations	25	42
		h-index	g-index

67	67	67	2047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Closing yield gaps in China by empowering smallholder farmers. Nature, 2016, 537, 671-674.	27.8	417
2	Effects of salinity on the soil microbial community and soil fertility. Journal of Integrative Agriculture, 2019, 18, 1360-1368.	3.5	108
3	Maize (Zea mays) growth and nutrient uptake following integrated improvement of vermicompost and humic acid fertilizer on coastal saline soil. Applied Soil Ecology, 2019, 142, 147-154.	4.3	95
4	Life cycle assessment of wheat-maize rotation system emphasizing high crop yield and high resource use efficiency in Quzhou County. Journal of Cleaner Production, 2014, 68, 56-63.	9.3	76
5	Saline-alkali soil applied with vermicompost and humic acid fertilizer improved macroaggregate microstructure to enhance salt leaching and inhibit nitrogen losses. Applied Soil Ecology, 2020, 156, 103705.	4.3	66
6	Rational trade-offs between yield increase and fertilizer inputs are essential for sustainable intensification: A case study in wheatâ€“maize cropping systems in China. Science of the Total Environment, 2019, 679, 328-336.	8.0	50
7	A new method for soil health assessment based on Analytic Hierarchy Process and meta-analysis. Science of the Total Environment, 2019, 650, 2771-2777.	8.0	50
8	Hyphospheric impacts of earthworms and arbuscular mycorrhizal fungus on soil bacterial community to promote oxytetracycline degradation. Journal of Hazardous Materials, 2018, 341, 346-354.	12.4	49
9	Purification of a Novel Antibacterial Short Peptide in Earthworm <italic>Eisenia foetida</italic>. Acta Biochimica Et Biophysica Sinica, 2004, 36, 297-302.	2.0	46
10	Interaction between earthworms and arbuscular mycorrhizal fungi on the degradation of oxytetracycline in soils. Soil Biology and Biochemistry, 2015, 90, 283-292.	8.8	46
11	Efficient photopolymerization of thick pigmented systems using upconversion nanoparticlesâ€assisted photochemistry. Journal of Polymer Science Part A, 2018, 56, 994-1002.	2.3	46
12	Effects of epigeic earthworm (Eisenia fetida) and arbuscular mycorrhizal fungus (Glomus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (Biology and Fertility of Soils, 2012, 48, 879-887.	4.3	45
13	Effect of earthworms and arbuscular mycorrhizal fungi on the microbial community and maize growth under salt stress. Applied Soil Ecology, 2016, 107, 214-223.	4.3	45
14	Proteome Analysis Using Isobaric Tags for Relative and Absolute Analysis Quantitation (iTRAQ) Reveals Alterations in Stress-Induced Dysfunctional Chicken Muscle. Journal of Agricultural and Food Chemistry, 2017, 65, 2913-2922.	5.2	43
15	Rhizosphere interactions between earthworms (Eisenia fetida) and arbuscular mycorrhizal fungus (Funneliformis mosseae) promote utilization efficiency of phytate phosphorus in maize. Applied Soil Ecology, 2015, 94, 30-39.	4.3	37
16	Earthworm (Aporrectodea trapezoides)â€“mycorrhiza (Glomus intraradices) interaction and nitrogen and phosphorus uptake by maize. Biology and Fertility of Soils, 2012, 48, 75-85.	4.3	36
17	Linking plant ecological stoichiometry with soil nutrient and bacterial communities in apple orchards. Applied Soil Ecology, 2018, 126, 1-10.	4.3	35
18	Field management practices drive ecosystem multifunctionality in a smallholder-dominated agricultural system. Agriculture, Ecosystems and Environment, 2021, 313, 107389.	5.3	34

#	Article	IF	Citations
19	Application Research of Digital Twin-Driven Ship Intelligent Manufacturing System: Pipe Machining Production Line. Journal of Marine Science and Engineering, 2021, 9, 338.	2.6	31
20	Fertilizer and pesticide reduction in cherry tomato production to achieve multiple environmental benefits in Guangxi, China. Science of the Total Environment, 2021, 793, 148527.	8.0	31
21	A novel antimicrobial vermipeptide family from earthworm Eisenia fetida. European Journal of Soil Biology, 2007, 43, S127-S134.	3.2	30
22	Impact of the earthworm Aporrectodea trapezoides and the arbuscular mycorrhizal fungus Glomus intraradices on 15N uptake by maize from wheat straw. Biology and Fertility of Soils, 2013, 49, 263-271.	4.3	30
23	Cooperation between arbuscular mycorrhizal fungi and earthworms promotes the physiological adaptation of maize under a high salt stress. Plant and Soil, 2018, 423, 125-140.	3.7	30
24	The prograde-to-retrograde evolution of the Huangshaping skarn deposit (Nanling Range, South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	4.1	29
25	Vermicompost and humic fertilizer improve coastal saline soil by regulating soil aggregates and the bacterial community. Archives of Agronomy and Soil Science, 2019, 65, 281-293.	2.6	27
26	A general scenario of fishâ€eye crack initiation on the life of highâ€strength steels in the very highâ€cycle fatigue regime. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2183-2194.	3.4	26
27	Autophagy process is associated with anti-neoplastic function. Acta Biochimica Et Biophysica Sinica, 2011, 43, 425-432.	2.0	25
28	Correlation of production constraints with the yield gap of apple cropping systems in Luochuan County, China. Journal of Integrative Agriculture, 2019, 18, 1714-1725.	3.5	25
29	Effects of Phenolic Acid Marinades on the Formation of Polycyclic Aromatic Hydrocarbons in Charcoal-Grilled Chicken Wings. Journal of Food Protection, 2019, 82, 684-690.	1.7	22
30	Improvement of the soil nitrogen content and maize growth by earthworms and arbuscular mycorrhizal fungi in soils polluted by oxytetracycline. Science of the Total Environment, 2016, 571, 926-934.	8.0	21
31	Evaluating the effects of agricultural inputs on the soil quality of smallholdings using improved indices. Catena, 2022, 209, 105838.	5.0	21
32	Inoculating maize fields with earthworms (Aporrectodea trapezoides) and an arbuscular mycorrhizal fungus (Rhizophagus intraradices) improves mycorrhizal community structure and increases plant nutrient uptake. Biology and Fertility of Soils, 2013, 49, 1167-1178.	4.3	19
33	Interactive impacts of earthworms (Eisenia fetida) and arbuscular mycorrhizal fungi (Funneliformis) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	19
34	Integrated reclamation of saline soil nitrogen transformation in the hyphosphere by earthworms and arbuscular mycorrhizal fungus. Applied Soil Ecology, 2019, 135, 137-146.	4.3	19
35	Bioremediation by earthworms on soil microbial diversity and partial nitrification processes in oxytetracycline-contaminated soil. Ecotoxicology and Environmental Safety, 2020, 189, 109996.	6.0	18
36	Heat Shock Protein DnaJ in Pseudomonas aeruginosa Affects Biofilm Formation via Pyocyanin Production. Microorganisms, 2020, 8, 395.	3.6	18

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37	Independent and combined effects of oxytetracycline and antibiotic-resistant Escherichia coli O157:H7 on soil microbial activity and partial nitrification processes. Soil Biology and Biochemistry, 2016, 98, 138-147.	8.8	17
38	Earthworm regulation of nitrogen pools and dynamics and marker genes of nitrogen cycling: A meta-analysis. Pedosphere, 2022, 32, 131-139.	4.0	16
39	Optimizing wheat production and reducing environmental impacts through scientistâ€“farmer engagement: Lessons from the North China Plain. Food and Energy Security, 2021, 10, e255.	4.3	14
40	Application of leaves to induce earthworms to reduce phenolic compounds released by decomposing plants. European Journal of Soil Biology, 2016, 75, 31-37.	3.2	13
41	Function of mucilaginous secretions in the antibacterial immunity system of Eisenia fetida. Pedobiologia, 2011, 54, S57-S62.	1.2	11
42	Improving the sustainability of the wheat supply chain through multi-stakeholder engagement. Journal of Cleaner Production, 2021, 321, 128837.	9.3	11
43	Structural Changes and Evolution of Peptides During Chill Storage of Pork. Frontiers in Nutrition, 2020, 7, 151.	3.7	10
44	Toward the economic-environmental sustainability of smallholder farming systems through judicious management strategies and optimized planting structures. Renewable and Sustainable Energy Reviews, 2022, 165, 112619.	16.4	10
45	Effects of earthworms and arbuscular mycorrhizal fungi on preventing Fusarium oxysporum infection in the strawberry plant. Plant and Soil, 2019, 443, 139-153.	3.7	9
46	Exploring wheat-based management strategies to balance agricultural production and environmental sustainability in a wheatâ€maize cropping system using the DNDC model. Journal of Environmental Management, 2022, 307, 114445.	7.8	9
47	60ÂGHz lowâ€power LNA with high g _m Ã— R _{out} transconductor stages in 65Ânm CMOS. Electronics Letters, 2017, 53, 279-281.	1.0	8
48	The relationship between soil bacteria and metal nutrient availability for uptake of apple trees in Chinese orchards. Plant Growth Regulation, 2020, 92, 181-193.	3.4	7
49	60ÂGHz broadband variable gain mixer using positive feedback in 65Ânm CMOS. Electronics Letters, 2015, 51, 1503-1505.	1.0	6
50	Vermicompost assisted arbuscular mycorrhizal fungi to transfer 15N from crop residues to lettuce. Plant and Soil, 2020, 456, 175-187.	3.7	6
51	Multi-Objective Optimization of Smallholder Apple Production: Lessons from the Bohai Bay Region. Sustainability, 2020, 12, 6496.	3.2	6
52	Long-term effect of integrated fertilization on maize yield and soil fertility in a calcaric fluvisol. Archives of Agronomy and Soil Science, 2021, 67, 1400-1410.	2.6	6
53	Methodology of Analyzing Maize Density Loss in Smallholderâ€™s Fields and Potential Optimize Approach. Agriculture (Switzerland), 2021, 11, 480.	3.1	6
54	Research on Real-Time Optimal Path Planning Model and Algorithm for Ship Block Transportation in Shipyard. Journal of Marine Science and Engineering, 2020, 8, 991.	2.6	4

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55	Dynamics of soil fertility and maize growth with lower environment impacts depending on a combination of organic and mineral fertilizer. Journal of Soil Science and Plant Nutrition, 2018, , 0-0.	3.4	2
56	Ternaryâ€organic photovoltaics with J71 as donor and two compatible nonfullerene acceptors. Journal of Polymer Science, 0, , .	3.8	2
57	Hyphosphere regulation of earthworms and arbuscular mycorrhizal fungus on soil N and P availability. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2017, 67, 542-550.	0.6	1
58	CNN-Based Tropical Cyclone Track Forecasting from Satellite Infrared Images. , 2020, , .		1
59	Association of SNPs within PTPN3 gene with wool production and growth traits in a dual-purpose sheep population. Animal Biotechnology, 2022, , 1-7.	1.5	1
60	Stability of Bacterial Network Enhances Nutrient Content in Apple Trees. Journal of Soil Science and Plant Nutrition, 0, , .	3.4	1
61	A hybrid algorithm for the variable-sized bin-packing problem of pipe cutting in offshore platform construction. Journal of Marine Science and Technology, 2022, 27, 422-438.	2.9	0
62	Nesting Problem of Irregular Shape Based on Motion Simulation. Journal of Ship Production and Design, 2019, , .	0.4	0