

Jinyang Wang

List of Publications by Year in descending order

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81
papers

4,239
citations

117571

34
h-index

118793

62
g-index

88
all docs

88
docs citations

88
times ranked

4799
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar stability in soil: meta-analysis of decomposition and priming effects. <i>GCB Bioenergy</i> , 2016, 8, 512-523.	2.5	731
2	Can knowledge-based N management produce more staple grain with lower greenhouse gas emission and reactive nitrogen pollution? A meta-analysis. <i>Global Change Biology</i> , 2017, 23, 1917-1925.	4.2	320
3	Effects of biochar amendment in two soils on greenhouse gas emissions and crop production. <i>Plant and Soil</i> , 2012, 360, 287-298.	1.8	251
4	Effects of biochar addition on N ₂ O and CO ₂ emissions from two paddy soils. <i>Biology and Fertility of Soils</i> , 2011, 47, 887-896.	2.3	136
5	Water regime-nitrogen fertilizer-straw incorporation interaction: Field study on nitrous oxide emissions from a rice agroecosystem in Nanjing, China. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 437-446.	2.5	128
6	Effect of miR-21 on Renal Fibrosis by Regulating MMP-9 and TIMP1 in kk-ay Diabetic Nephropathy Mice. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 537-546.	0.9	127
7	The quality and quantity of exogenous organic carbon input control microbial NO ₃ ⁻ immobilization: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2017, 115, 357-363.	4.2	117
8	N fertilization decreases soil organic matter decomposition in the rhizosphere. <i>Applied Soil Ecology</i> , 2016, 108, 47-53.	2.1	112
9	Mitigating net global warming potential and greenhouse gas intensities by substituting chemical nitrogen fertilizers with organic fertilization strategies in rice-wheat annual rotation systems in China: A 3-year field experiment. <i>Ecological Engineering</i> , 2015, 81, 289-297.	1.6	90
10	Response of rice production to elevated [CO ₂] and its interaction with rising temperature or nitrogen supply: a meta-analysis. <i>Climatic Change</i> , 2015, 130, 529-543.	1.7	87
11	Global analysis of agricultural soil denitrification in response to fertilizer nitrogen. <i>Science of the Total Environment</i> , 2018, 616-617, 908-917.	3.9	87
12	Biomimetic anti-inflammatory nano-capsule serves as a cytokine blocker and M2 polarization inducer for bone tissue repair. <i>Acta Biomaterialia</i> , 2020, 102, 416-426.	4.1	87
13	Methane emissions from a rice agroecosystem in South China: Effects of water regime, straw incorporation and nitrogen fertilizer. <i>Nutrient Cycling in Agroecosystems</i> , 2012, 93, 103-112.	1.1	83
14	Impact of manure on soil biochemical properties: A global synthesis. <i>Science of the Total Environment</i> , 2020, 745, 141003.	3.9	77
15	Target Reprogramming Lysosomes of CD8 ⁺ T Cells by a Mineralized Metal-Organic Framework for Cancer Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100616.	11.1	75
16	Fertilizer-induced emission factors and background emissions of N ₂ O from vegetable fields in China. <i>Atmospheric Environment</i> , 2011, 45, 6923-6929.	1.9	74
17	Combined effects of nitrogen deposition and biochar application on emissions of N ₂ O, CO ₂ and NH ₃ from agricultural and forest soils. <i>Soil Science and Plant Nutrition</i> , 2014, 60, 254-265.	0.8	74
18	Astrocyte elevated gene-1(AEG-1) induces epithelial-mesenchymal transition in lung cancer through activating Wnt/ β -catenin signaling. <i>BMC Cancer</i> , 2015, 15, 107.	1.1	69

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19	Nitrogen fertilization increases rhizodeposit incorporation into microbial biomass and reduces soil organic matter losses. <i>Biology and Fertility of Soils</i> , 2017, 53, 419-429.	2.3	65
20	Antibiotics and antibiotic resistance genes in agricultural soils: A systematic analysis. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 847-864.	6.6	61
21	Mitigation of nitrous oxide emissions from paddy soil under conventional and no-till practices using nitrification inhibitors during the winter wheat-growing season. <i>Biology and Fertility of Soils</i> , 2013, 49, 627-635.	2.3	59
22	Increased soil release of greenhouse gases shrinks terrestrial carbon uptake enhancement under warming. <i>Global Change Biology</i> , 2020, 26, 4601-4613.	4.2	59
23	Integrating agronomic practices to reduce greenhouse gas emissions while increasing the economic return in a rice-based cropping system. <i>Agriculture, Ecosystems and Environment</i> , 2016, 231, 24-33.	2.5	56
24	Anti-inflammatory effects of injectable platelet-rich fibrin via macrophages and dendritic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 61-68.	2.1	54
25	Microbial diversity and the abundance of keystone species drive the response of soil multifunctionality to organic substitution and biochar amendment in a tea plantation. <i>GCB Bioenergy</i> , 2022, 14, 481-495.	2.5	47
26	Methane and nitrous oxide emissions as affected by organic-inorganic mixed fertilizer from a rice paddy in southeast China. <i>Journal of Soils and Sediments</i> , 2013, 13, 1408-1417.	1.5	46
27	No-till increases soil denitrification via its positive effects on the activity and abundance of the denitrifying community. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107706.	4.2	45
28	Nitrogen deposition differentially affects soil gross nitrogen transformations in organic and mineral horizons. <i>Earth-Science Reviews</i> , 2020, 201, 103033.	4.0	44
29	Global warming potential and greenhouse gas intensity in rice agriculture driven by high yields and nitrogen use efficiency. <i>Biogeosciences</i> , 2016, 13, 2701-2714.	1.3	41
30	Near-Infrared Light-Sensitive Nano Neuro-Immune Blocker Capsule Relieves Pain and Enhances the Innate Immune Response for Necrotizing Infection. <i>Nano Letters</i> , 2019, 19, 5904-5914.	4.5	41
31	Effects of biochar amendment on greenhouse gas emissions, net ecosystem carbon budget and properties of an acidic soil under intensive vegetable production. <i>Soil Use and Management</i> , 2015, 31, 375-383.	2.6	40
32	Controlling variables and emission factors of methane from global rice fields. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10419-10431.	1.9	39
33	Global methane and nitrous oxide emissions from inland waters and estuaries. <i>Global Change Biology</i> , 2022, 28, 4713-4725.	4.2	39
34	Downregulation of miR-30c promotes renal fibrosis by target CTGF in diabetic nephropathy. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 406-414.	1.2	36
35	Greenhouse gas emissions and reactive nitrogen releases from rice production with simultaneous incorporation of wheat straw and nitrogen fertilizer. <i>Biogeosciences</i> , 2016, 13, 4569-4579.	1.3	35
36	Contrasting effects of aged and fresh biochars on glucose-induced priming and microbial activities in paddy soil. <i>Journal of Soils and Sediments</i> , 2016, 16, 191-203.	1.5	35

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37	Biochar Effects on Rice Paddy: Meta-analysis. <i>Advances in Agronomy</i> , 2018, , 1-32.	2.4	35
38	Dual-Wavelength Photosensitive Nano-in-Micro Scaffold Regulates Innate and Adaptive Immune Responses for Osteogenesis. <i>Nano-Micro Letters</i> , 2021, 13, 28.	14.4	35
39	Differential responses of soil nitrogen oxide emissions to organic substitution for synthetic fertilizer and biochar amendment in a subtropical tea plantation. <i>GCB Bioenergy</i> , 2021, 13, 1260-1274.	2.5	32
40	Metformin ameliorates skeletal muscle insulin resistance by inhibiting miR-21 expression in a high-fat dietary rat model. <i>Oncotarget</i> , 2017, 8, 98029-98039.	0.8	29
41	Greenhouse gas emissions during the seedling stage of rice agriculture as affected by cultivar type and crop density. <i>Biology and Fertility of Soils</i> , 2012, 48, 589-595.	2.3	28
42	CaCO ₃ recrystallization in saline and alkaline soils. <i>Geoderma</i> , 2016, 282, 1-8.	2.3	28
43	Soil N-oxide emissions decrease from intensive greenhouse vegetable fields by substituting synthetic N fertilizer with organic and bio-organic fertilizers. <i>Geoderma</i> , 2021, 383, 114730.	2.3	26
44	Impacts of abiotic stresses on the physiology and metabolism of cool-season grasses: A review. <i>Food and Energy Security</i> , 2019, 8, e00152.	2.0	25
45	Preparation of magnetic activated carbon from waste rice husk for the determination of tetracycline antibiotics in water samples. <i>RSC Advances</i> , 2016, 6, 112166-112174.	1.7	24
46	Molecular dynamics simulation of diffusion coefficients and structural properties of some alkylbenzenes in supercritical carbon dioxide at infinite dilution. <i>Journal of Chemical Physics</i> , 2014, 140, 104501.	1.2	23
47	The Impact of the Geometric Characteristics on the Hemodynamics in the Stenotic Coronary Artery. <i>PLoS ONE</i> , 2016, 11, e0157490.	1.1	23
48	Denitrification in upland of China: Magnitude and influencing factors. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 3060-3071.	1.3	22
49	Effects of four years of elevated ozone on microbial biomass and extracellular enzyme activities in a semi-natural grassland. <i>Science of the Total Environment</i> , 2019, 660, 260-268.	3.9	22
50	Angiotensin II receptor blocker valsartan ameliorates cardiac fibrosis partly by inhibiting miR-21 expression in diabetic nephropathy mice. <i>Molecular and Cellular Endocrinology</i> , 2018, 472, 149-158.	1.6	19
51	Transcription factor 7-like 2 promotes osteogenic differentiation and boron-induced bone repair via lipocalin 2. <i>Materials Science and Engineering C</i> , 2020, 110, 110671.	3.8	18
52	Impact of organic fertilizer substitution and biochar amendment on net greenhouse gas budget in a tea plantation. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107779.	2.5	18
53	Individualized plasticity autograft mimic with efficient bioactivity inducing osteogenesis. <i>International Journal of Oral Science</i> , 2021, 13, 14.	3.6	17
54	Greater nitrous and nitric oxide emissions from the soil between rows than under the canopy in subtropical tea plantations. <i>Geoderma</i> , 2021, 398, 115105.	2.3	16

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55	A systematic study on the intradiffusion and structure of N,N-dimethylformamide-water mixtures: by experiment and molecular dynamics simulation. <i>RSC Advances</i> , 2016, 6, 85603-85611.	1.7	15
56	Fertilizer-induced nitrous oxide emissions from global orchards and its estimate of China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 328, 107854.	2.5	15
57	Macrocyclic hexanuclear zirconium(IV) complex bearing a bisaryloxyl N-heterocyclic-carbene ligand: Synthesis, structure, and catalytic properties. <i>Inorganic Chemistry Communication</i> , 2010, 13, 433-435.	1.8	14
58	Rho A Regulates Epidermal Growth Factor-Induced Human Osteosarcoma MG63 Cell Migration. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1437.	1.8	14
59	Synthesis, characterization and catalytic behaviors of water-soluble phosphine-sulfonato nickel methyl complexes bearing PEG-amine labile ligand. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 903-908.	0.8	13
60	Effects of Chinese Medicine Tong xinluo on Diabetic Nephropathy via Inhibiting TGF- β 1-Induced Epithelial-to-Mesenchymal Transition. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-12.	0.5	13
61	Direct N ₂ O emissions from global tea plantations and mitigation potential by climate-smart practices. <i>Resources, Conservation and Recycling</i> , 2022, 185, 106501.	5.3	13
62	Effects of nanopolystyrene addition on nitrogen fertilizer fate, gaseous loss of N from the soil, and soil microbial community composition. <i>Journal of Hazardous Materials</i> , 2022, 438, 129509.	6.5	12
63	Short-term responses of greenhouse gas emissions and ecosystem carbon fluxes to elevated ozone and N fertilization in a temperate grassland. <i>Atmospheric Environment</i> , 2019, 211, 204-213.	1.9	11
64	Relative efficacy and stability of biological and synthetic nitrification inhibitors in a highly nitrifying soil: Evidence of apparent nitrification inhibition by linoleic acid and linolenic acid. <i>European Journal of Soil Science</i> , 2021, 72, 2356-2371.	1.8	11
65	Carbon budget by priming in a biochar-amended soil. <i>European Journal of Soil Biology</i> , 2016, 76, 26-34.	1.4	10
66	Mechanical insights into the effect of fluctuation in soil moisture on nitrous oxide emissions from paddy soil. <i>Paddy and Water Environment</i> , 2017, 15, 359-369.	1.0	10
67	Modeling Impacts of Alternative Practices on Net Global Warming Potential and Greenhouse Gas Intensity from Rice-Wheat Annual Rotation in China. <i>PLoS ONE</i> , 2012, 7, e45668.	1.1	10
68	Atmospheric Nitrogen and Phosphorus Deposition at Three Sites in Nanjing, China, and Possible Links to Nitrogen Deposition Sources. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1650-1659.	0.7	8
69	Contrasting effects of elevated CO ₂ and warming on temperature sensitivity of soil organic matter decomposition in a Chinese paddy field. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 545.	1.3	7
70	Is Nitrous Oxide Reduction Primarily Regulated by the Fungi-to-Bacteria Abundance Ratio in Fertilized Soils?. <i>Pedosphere</i> , 2019, 29, 569-576.	2.1	7
71	Sulfonamide antibiotics alter gaseous nitrogen emissions in the soil-plant system: A mesocosm experiment and meta-analysis. <i>Science of the Total Environment</i> , 2022, 828, 154230.	3.9	7
72	Break monopoly of polarization: CD301b+ macrophages play positive roles in osteoinduction of calcium phosphate ceramics. <i>Applied Materials Today</i> , 2021, 24, 101111.	2.3	6

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73	Synthesis, characterization of a novel anilido-iminato cobalt (II) complex and its application for addition polymerization of norbornene. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1193-1196.	1.8	5
74	trans-1,2-Diphenylethylene Linked Isoindoline-Salicylaldiminato Nickel(II) Halide Complexes: Synthesis, Structure, Dehydrogenation, and Catalytic Activity toward Olefin Homopolymerization. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2093-2101.	1.0	5
75	Year-Round Atmospheric Wet and Dry Deposition of Nitrogen and Phosphorus on Water and Land Surfaces in Nanjing, China. <i>Water Environment Research</i> , 2013, 85, 514-521.	1.3	4
76	The role and significance of endomorphin-1 and μ -opioid receptor in rats with endometriosis. <i>Gynecological Endocrinology</i> , 2016, 32, 912-915.	0.7	4
77	Effect of Endomorphins on HUVECs Treated by ox-LDL and Its Related Mechanisms. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-8.	1.0	3
78	Molecular dynamics simulation of diffusion and structure of n -alkane/ n -alkanol mixtures at infinite dilution. <i>Journal of Molecular Liquids</i> , 2016, 223, 489-496.	2.3	3
79	Transcription factor β -casein-associated signaling mechanism in regulating cementum generation by the NF- κ B pathway. <i>Journal of Cellular Physiology</i> , 2019, 234, 20790-20800.	2.0	2
80	Urinary albumin excretion rate: a risk factor for retinal hard exudates in macular region in type 2 diabetic patients. <i>Chinese Medical Journal</i> , 2014, 127, 2293-8.	0.9	1
81	Improving the accuracy of meta-analysis for datasets with missing measures of variance: Elevated [CO ₂] effect on plant growth as a case study. <i>Science of the Total Environment</i> , 2021, 806, 150669.	3.9	0