

Junji Hui Yuan

List of Publications by Year in descending order

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29
papers

1,238
citations

471509

17
h-index

477307

29
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docs citations

29
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined biochar and double inhibitor application offsets NH ₃ and N ₂ O emissions and mitigates N leaching in paddy fields. <i>Environmental Pollution</i> , 2022, 292, 118344.	7.5	13
2	Non-native plant invasion can accelerate global climate change by increasing wetland methane and terrestrial nitrous oxide emissions. <i>Global Change Biology</i> , 2022, 28, 5453-5468.	9.5	14
3	Methane and nitrous oxide have separated production zones and distinct emission pathways in freshwater aquaculture ponds. <i>Water Research</i> , 2021, 190, 116739.	11.3	48
4	Microbial decomposition of soil organic matter determined by edaphic characteristics of mangrove forests in East Asia. <i>Science of the Total Environment</i> , 2021, 763, 142972.	8.0	14
5	Optimizing the application of dairy farm effluent and manure to mitigate gas emission. <i>Journal of Soils and Sediments</i> , 2021, 21, 2381-2393.	3.0	2
6	Yield-scaled nitrous oxide emissions from nitrogen-fertilized croplands in China: A meta-analysis of contrasting mitigation scenarios. <i>Pedosphere</i> , 2021, 31, 231-242.	4.0	13
7	Corn cobs efficiently reduced ammonia volatilization and improved nutrient value of stored dairy effluents. <i>Science of the Total Environment</i> , 2021, 769, 144712.	8.0	7
8	Large variations in indirect N ₂ O emission factors (EF ₅) from coastal aquaculture systems in China from plot to regional scales. <i>Water Research</i> , 2021, 200, 117208.	11.3	13
9	Divergent responses of wetland methane emissions to elevated atmospheric CO ₂ dependent on water table. <i>Water Research</i> , 2021, 205, 117682.	11.3	8
10	Mechanisms of enhanced methane emission due to introduction of <i>Spartina anglica</i> and <i>Phragmites australis</i> in a temperate tidal salt marsh. <i>Ecological Engineering</i> , 2020, 153, 105905.	3.6	11
11	N ₂ O and NO Emissions as Affected by the Continuous Combined Application of Organic and Mineral N Fertilizer to a Soil on the North China Plain. <i>Agronomy</i> , 2020, 10, 1965.	3.0	11
12	Combined application of biochar with urease and nitrification inhibitors have synergistic effects on mitigating CH ₄ emissions in rice field: A three-year study. <i>Science of the Total Environment</i> , 2020, 743, 140500.	8.0	23
13	Organic fertilizers have divergent effects on soil N ₂ O emissions. <i>Biology and Fertility of Soils</i> , 2019, 55, 685-699.	4.3	36
14	Nitrous oxide emissions from China's croplands based on regional and crop-specific emission factors deviate from IPCC 2006 estimates. <i>Science of the Total Environment</i> , 2019, 669, 547-558.	8.0	43
15	<i>Spartina alterniflora</i> invasion drastically increases methane production potential by shifting methanogenesis from hydrogenotrophic to methylotrophic pathway in a coastal marsh. <i>Journal of Ecology</i> , 2019, 107, 2436-2450.	4.0	40
16	Rapid growth in greenhouse gas emissions from the adoption of industrial-scale aquaculture. <i>Nature Climate Change</i> , 2019, 9, 318-322.	18.8	141
17	Effects of application of inhibitors and biochar to fertilizer on gaseous nitrogen emissions from an intensively managed wheat field. <i>Science of the Total Environment</i> , 2018, 628-629, 121-130.	8.0	72
18	Long-term application of lime or pig manure rather than plant residues suppressed diazotroph abundance and diversity and altered community structure in an acidic Ultisol. <i>Soil Biology and Biochemistry</i> , 2018, 123, 218-228.	8.8	107

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19	A two years study on the combined effects of biochar and inhibitors on ammonia volatilization in an intensively managed rice field. <i>Agriculture, Ecosystems and Environment</i> , 2018, 264, 44-53.	5.3	65
20	A meta-analysis of soil background N ₂ O emissions from croplands in China shows variation among climatic zones. <i>Agriculture, Ecosystems and Environment</i> , 2018, 267, 63-73.	5.3	38
21	Wheat straw-derived biochar amendment stimulated N ₂ O emissions from rice paddy soils by regulating the amoA genes of ammonia-oxidizing bacteria. <i>Soil Biology and Biochemistry</i> , 2017, 113, 89-98.	8.8	157
22	Methanogenic Community Was Stable in Two Contrasting Freshwater Marshes Exposed to Elevated Atmospheric CO ₂ . <i>Frontiers in Microbiology</i> , 2017, 8, 932.	3.5	10
23	Shifts in methanogen community structure and function across a coastal marsh transect: effects of exotic <i>Spartina alterniflora</i> invasion. <i>Scientific Reports</i> , 2016, 6, 18777.	3.3	28
24	Exotic <i>Spartina alterniflora</i> invasion alters ecosystem's atmosphere exchange of CH ₄ and N ₂ O and carbon sequestration in a coastal salt marsh in China. <i>Global Change Biology</i> , 2015, 21, 1567-1580.	9.5	141
25	Invasion chronosequence of <i>Spartina alterniflora</i> on methane emission and organic carbon sequestration in a coastal salt marsh. <i>Atmospheric Environment</i> , 2015, 112, 72-80.	4.1	40
26	Substrate sources regulate spatial variation of metabolically active methanogens from two contrasting freshwater wetlands. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10779-10791.	3.6	17
27	Effects of biochar on nitrous oxide and nitric oxide emissions from paddy field during the wheat growth season. <i>Journal of Cleaner Production</i> , 2015, 104, 52-58.	9.3	55
28	Methane production potential and methanogenic archaea community dynamics along the <i>Spartina alterniflora</i> invasion chronosequence in a coastal salt marsh. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1817-1829.	3.6	49
29	Substrate and/or substrate-driven changes in the abundance of methanogenic archaea cause seasonal variation of methane production potential in species-specific freshwater wetlands. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4711-4721.	3.6	22