

# 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  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wheat straw-derived biochar amendment stimulated N <sub>2</sub> 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
2	Exotic <i>Spartina alterniflora</i> invasion alters ecosystem's atmosphere exchange of CH <sub>4</sub> and N <sub>2</sub> O and carbon sequestration in a coastal salt marsh in China. <i>Global Change Biology</i> , 2015, 21, 1567-1580.	9.5	141
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	<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
13	A meta-analysis of soil background N <sub>2</sub> O emissions from croplands in China shows variation among climatic zones. <i>Agriculture, Ecosystems and Environment</i> , 2018, 267, 63-73.	5.3	38
14	Organic fertilizers have divergent effects on soil N <sub>2</sub> O emissions. <i>Biology and Fertility of Soils</i> , 2019, 55, 685-699.	4.3	36
15	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
16	Combined application of biochar with urease and nitrification inhibitors have synergistic effects on mitigating CH <sub>4</sub> emissions in rice field: A three-year study. <i>Science of the Total Environment</i> , 2020, 743, 140500.	8.0	23
17	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
18	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

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19	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
20	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
21	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
22	Large variations in indirect N <sub>2</sub> O emission factors (EF <sub>5</sub> ) from coastal aquaculture systems in China from plot to regional scales. <i>Water Research</i> , 2021, 200, 117208.	11.3	13
23	Combined biochar and double inhibitor application offsets NH <sub>3</sub> and N <sub>2</sub> O emissions and mitigates N leaching in paddy fields. <i>Environmental Pollution</i> , 2022, 292, 118344.	7.5	13
24	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
25	N <sub>2</sub> 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
26	Methanogenic Community Was Stable in Two Contrasting Freshwater Marshes Exposed to Elevated Atmospheric CO <sub>2</sub> . <i>Frontiers in Microbiology</i> , 2017, 8, 932.	3.5	10
27	Divergent responses of wetland methane emissions to elevated atmospheric CO <sub>2</sub> dependent on water table. <i>Water Research</i> , 2021, 205, 117682.	11.3	8
28	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
29	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