

# Tiehu He

## List of Publications by Year in descending order

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15  
papers

691  
citations

759233

12  
h-index

996975

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15  
all docs

15  
docs citations

15  
times ranked

727  
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  | 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       |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | Four-year continuous residual effects of biochar application to a sandy loam soil on crop yield and N <sub>2</sub> O and NO emissions under maize-wheat rotation. <i>Agriculture, Ecosystems and Environment</i> , 2020, 302, 107109.     | 5.3  | 46        |
| 7  | 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        |
| 8  | 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        |
| 9  | 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        |
| 10 | Effect of field-aged biochar on fertilizer N retention and N <sub>2</sub> O emissions: A field microplot experiment with <sup>15</sup> N-labeled urea. <i>Science of the Total Environment</i> , 2021, 773, 145645.                       | 8.0  | 16        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 14 | Long-Term Compost Amendment Spurs Cellulose Decomposition by Driving Shifts in Fungal Community Composition and Promoting Fungal Diversity and Phylogenetic Relatedness. <i>MBio</i> , 2022, 13, e0032322.                                | 4.1  | 5         |
| 15 | 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         |