# Xiaopeng Gao

List of Publications by Year
in descending order

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|---|---|---|---|
| 58<br>papers | 2,182<br>citations | 218381<br>26<br>h-index | 243296<br>44<br>g-index |
| 58<br>all docs | 58<br>docs citations | 58<br>times ranked | 2520<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nutritional quality and health risk of pepper fruit as affected by magnesium fertilization. Journal of the Science of Food and Agriculture, 2021, 101, 582-592. | 1.7 | 9 |
| 2 | A global metaâ€analysis of nitrous oxide emission from dripâ€irrigated cropping system. Global Change Biology, 2021, 27, 3244-3256. | 4.2 | 47 |
| 3 | Groundwater Depths Affect Phosphorus and Potassium Resorption but Not Their Utilization in a Desert Phreatophyte in Its Hyper-Arid Environment. Frontiers in Plant Science, 2021, 12, 665168. | 1.7 | 6 |
| 4 | Nitrous Oxide Emissions from an Alpine Grassland as Affected by Nitrogen Addition. Atmosphere, 2021, 12, 976. | 1.0 | 5 |
| 5 | Linking soil profile N2O concentration with surface flux in a cotton field under drip fertigation. Environmental Pollution, 2021, 285, 117458. | 3.7 | 8 |
| 6 | Topsoil Nutrients Drive Leaf Carbon and Nitrogen Concentrations of a Desert Phreatophyte in Habitats with Different Shallow Groundwater Depths. Water (Switzerland), 2021, 13, 3093. | 1.2 | 2 |
| 7 | Enhanced efficiency nitrogen fertilizers were not effective in reducing N2O emissions from a drip-irrigated cotton field in arid region of Northwestern China. Science of the Total Environment, 2020, 748, 141543. | 3.9 | 23 |
| 8 | Enhancement of N2O emissions by grazing is related to soil physicochemical characteristics rather than nitrifier and denitrifier abundances in alpine grassland. Geoderma, 2020, 375, 114511. | 2.3 | 24 |
| 9 | Agronomic evaluation of polymer-coated urea and urease and nitrification inhibitors for cotton production under drip-fertigation in a dry climate. Scientific Reports, 2020, 10, 1472. | 1.6 | 5 |
| 10 | Agricultural management practices and environmental drivers of nitrous oxide emissions over a decade for an annual and an annual-perennial crop rotation. Agricultural and Forest Meteorology, 2019, 276-277, 107636. | 1.9 | 21 |
| 11 | Presence of spring-thaw N2O emissions are not linked to functional gene abundance in a drip-fertigated cropped soil in arid northwestern China. Science of the Total Environment, 2019, 695, 133670. | 3.9 | 22 |
| 12 | Nitrogen and phosphorus addition differentially affect plant ecological stoichiometry in desert grassland. Scientific Reports, 2019, 9, 18673. | 1.6 | 20 |
| 13 | Relationship between soil profile accumulation and surface emission of N2O: effects of soil moisture and fertilizer nitrogen. Biology and Fertility of Soils, 2019, 55, 97-107. | 2.3 | 50 |
| 14 | Manure application increased denitrifying gene abundance in a drip-irrigated cotton field. PeerJ, 2019, 7, e7894. | 0.9 | 14 |
| 15 | Yield and Nitrogen Use of Irrigated Processing Potato in Response to Placement, Timing and Source of Nitrogen Fertilizer in Manitoba. American Journal of Potato Research, 2018, 95, 513-525. | 0.5 | 11 |
| 16 | Nitrous oxide emissions in Chinese vegetable systems: A meta-analysis. Environmental Pollution, 2018, 239, 375-383. | 3.7 | 88 |
| 17 | Controlling Soil Factor in Plant Growth and Salt Tolerance of Leguminous Plant Alhagi sparsifolia Shap. in Saline Deserts, Northwest China. Contemporary Problems of Ecology, 2018, 11, 111-121. | 0.3 | 11 |
| 18 | Soil property and cotton productivity changes with nutrient input intensity in the Taklimakan desert of China. Arid Land Research and Management, 2018, 32, 421-437. | 0.6 | 8 |

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|---|---|---|---|
| 19 | Effects of fertilizer and irrigation management on nitrous oxide emission from cotton fields in an extremely arid region of northwestern China. Field Crops Research, 2018, 229, 17-26. | 2.3 | 50 |
| 20 | Nitrate leaching from open-field and greenhouse vegetable systems in China: a meta-analysis. Environmental Science and Pollution Research, 2018, 25, 31007-31016. | 2.7 | 46 |
| 21 | Urea fertigation sources affect nitrous oxide emission from a drip-fertigated cotton field in northwestern China. Agriculture, Ecosystems and Environment, 2018, 265, 22-30. | 2.5 | 28 |
| 22 | Groundwater Depth Affects Phosphorus But Not Carbon and Nitrogen Concentrations of a Desert Phreatophyte in Northwest China. Frontiers in Plant Science, 2018, 9, 338. | 1.7 | 16 |
| 23 | Meta-analysis data quantifying nitrous oxides emissions from Chinese vegetable production. Data in Brief, 2018, 19, 114-116. | 0.5 | 3 |
| 24 | Globally important nitrous oxide emissions from croplands induced by freezeâ€"thaw cycles. Nature Geoscience, 2017, 10, 279-283. | 5.4 | 200 |
| 25 | Stoichiometry in aboveground and fine roots of Seriphidium korovinii in desert grassland in response to artificial nitrogen addition. Journal of Plant Research, 2017, 130, 689-697. | 1.2 | 17 |
| 26 | A decade of carbon flux measurements with annual and perennial crop rotations on the Canadian Prairies. Agricultural and Forest Meteorology, 2017, 247, 491-502. | 1.9 | 13 |
| 27 | Nitrogen Fertilizer Management Practices to Reduce N2O Emissions from Irrigated Processing Potato in Manitoba. American Journal of Potato Research, 2017, 94, 390-402. | 0.5 | 11 |
| 28 | Agronomistsâ€™ Views on the Potential to Adopt Beneficial Greenhouse Gas Nitrogen Management Practices Through Fertilizer Management. Canadian Journal of Soil Science, 2017, , . | 0.5 | 1 |
| 29 | Lower Nitrous Oxide Emissions from Anhydrous Ammonia Application Prior to Soil Freezing in Late Fall Than Spring Preâ€Plant Application. Journal of Environmental Quality, 2016, 45, 1133-1143. | 1.0 | 30 |
| 30 | Nitrogen (N) and phosphorus (P) resorption of two dominant alpine perennial grass species in response to contrasting N and P availability. Environmental and Experimental Botany, 2016, 127, 37-44. | 2.0 | 41 |
| 31 | Zinc Concentration in Rice (<i>Oryza sativa</i>L.) Grains and Allocation in Plants as Affected by Different Zinc Fertilization Strategies. Communications in Soil Science and Plant Analysis, 2016, 47, 761-768. | 0.6 | 19 |
| 32 | Enhanced Efficiency Urea Sources and Placement Effects on Nitrous Oxide Emissions. Agronomy Journal, 2015, 107, 265-277. | 0.9 | 35 |
| 33 | Assessing the effects of agricultural management on nitrous oxide emissions using flux measurements and the DNDC model. Agriculture, Ecosystems and Environment, 2015, 206, 71-83. | 2.5 | 87 |
| 34 | Greenhouse Gas Accumulation in the Soil Profile is not Always Related to Surface Emissions in a Prairie Pothole Agricultural Landscape. Soil Science Society of America Journal, 2014, 78, 805-817. | 1.2 | 19 |
| 35 | Nitrous Oxide Emissions from a Clay Soil Receiving Granular Urea Formulations and Dairy Manure. Agronomy Journal, 2014, 106, 732-744. | 0.9 | 60 |
| 36 | Greenhouse gas emissions from pig slurry applied to forage legumes on a loamy sand soil in south central Manitoba. Canadian Journal of Soil Science, 2014, 94, 149-155. | 0.5 | 6 |

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| 37 | Effect of nitrogen fertilizer rate on nitrous oxide emission from irrigated potato on a clay loam soil in Manitoba, Canada. Canadian Journal of Soil Science, 2013, 93, 1-11. | 0.5 | 43 |
| 38 | Growth and Iron Uptake of Lowland and Aerobic Rice Genotypes under Flooded and Aerobic Cultivation. Communications in Soil Science and Plant Analysis, 2012, 43, 1811-1822. | 0.6 | 11 |
| 39 | Grain concentrations of protein, iron and zinc and bread making quality in spring wheat as affected by seeding date and nitrogen fertilizer management. Journal of Geochemical Exploration, 2012, 121, 36-44. | 1.5 | 46 |
| 40 | Cadmium and Zinc Concentration in Grain of Durum Wheat in Relation to Phosphorus Fertilization, Crop Sequence and Tillage Management. Applied and Environmental Soil Science, 2012, 2012, 1-10. | 0.8 | 30 |
| 41 | Improving zinc bioavailability in transition from flooded to aerobic rice. A review. Agronomy for Sustainable Development, 2012, 32, 465-478. | 2.2 | 82 |
| 42 | Cadmium Concentration in Flax Colonized by Mycorrhizal Fungi Depends on Soil Phosphorus and Cadmium Concentrations. Communications in Soil Science and Plant Analysis, 2011, 42, 1882-1897. | 0.6 | 15 |
| 43 | Interactive effect of N fertilization and tillage management on Zn biofortification in durum wheat (<i>Triticum durum</i>). Canadian Journal of Plant Science, 2011, 91, 951-960. | 0.3 | 6 |
| 44 | Grain cadmium and zinc concentrations in wheat as affected by genotypic variation and potassium chloride fertilization. Field Crops Research, 2011, 122, 95-103. | 2.3 | 44 |
| 45 | Soil solution dynamics and plant uptake of cadmium and zinc by durum wheat following phosphate fertilization. Plant and Soil, 2011, 338, 423-434. | 1.8 | 31 |
| 46 | Concentration of cadmium in durum wheat as affected by time, source and placement of nitrogen fertilization under reduced and conventional-tillage management. Plant and Soil, 2010, 337, 341-354. | 1.8 | 43 |
| 47 | Mycorrhizal colonization and grain Cd concentration of fieldâ€grown durum wheat in response to tillage, preceding crop and phosphorus fertilization. Journal of the Science of Food and Agriculture, 2010, 90, 750-758. | 1.7 | 34 |
| 48 | Geochemical Modeling of Zinc Bioavailability for Rice. Soil Science Society of America Journal, 2010, 74, 301-309. | 1.2 | 11 |
| 49 | Malate Exudation by Six Aerobic Rice Genotypes Varying in Zinc Uptake Efficiency. Journal of Environmental Quality, 2009, 38, 2315-2321. | 1.0 | 38 |
| 50 | Micronutrient Deficiencies in Crop Production in China. , 2008, , 127-148. | | 51 |
| 51 | Biofortification in a Food Chain Approach for Rice in China. , 2008, , 181-203. | | 1 |
| 52 | Soil and Crop Management for Improving Iron and Zinc Nutrition of Crops. , 2008, , 71-93. | | 2 |
| 53 | How Does Aerobic Rice Take Up Zinc from Low Zinc Soil? Mechanisms, Trade-Offs, and Implications for Breeding. , 2008, , 153-170. | | 1 |
| 54 | Mycorrhizal responsiveness of aerobic rice genotypes is negatively correlated with their zinc uptake when nonmycorrhizal. Plant and Soil, 2007, 290, 283-291. | 1.8 | 83 |

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|---|---|---|---|
| 55 | Silicon Decreases Transpiration Rate and Conductance from Stomata of Maize Plants. Journal of Plant Nutrition, 2006, 29, 1637-1647. | 0.9 | 248 |
| 56 | From Flooded to Aerobic Conditions in Rice Cultivation: Consequences for Zinc Uptake. Plant and Soil, 2006, 280, 41-47. | 1.8 | 84 |
| 57 | Tolerance to Zinc Deficiency in Rice Correlates with Zinc Uptake and Translocation. Plant and Soil, 2005, 278, 253-261. | 1.8 | 52 |
| 58 | Silicon Improves Water Use Efficiency in Maize Plants. Journal of Plant Nutrition, 2005, 27, 1457-1470. | 0.9 | 170 |