Jingyi Yang

List of Publications by Year
in descending order

26 papers	819 citations	516710 16 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1031 citing authors

#	ARTICLE	IF	CITATIONS
1	Using the DSSAT-CERES-Maize model to simulate crop yield and nitrogen cycling in fields under long-term continuous maize production. Nutrient Cycling in Agroecosystems, 2011, 89, 313-328.	2.2	122
2	Predicting soil organic carbon and total nitrogen using mid- and near-infrared spectra for Brookston clay loam soil in Southwestern Ontario, Canada. Canadian Journal of Soil Science, 2011, 91, 53-63.	1.2	86
3	Influence of topography and land management on soil nutrients variability in Northeast China. Nutrient Cycling in Agroecosystems, 2011, 89, 427-438.	2.2	84
4	Risk of water contamination by nitrogen in Canada as estimated by the IROWC-N model. Journal of Environmental Management, 2009, 90, 3169-3181.	7.8	51
5	Projecting yield changes of spring wheat under future climate scenarios on the Canadian Prairies. Theoretical and Applied Climatology, 2016, 123, 651-669.	2.8	46
6	Climate change impacts on crop yield, soil water balance and nitrate leaching in the semiarid and humid regions of Canada. PLoS ONE, 2018, 13, e0207370.	2.5	42
7	Impacts of 49–51 years of fertilization and crop rotation on growing season nitrous oxide emissions, nitrogen uptake and corn yields. Canadian Journal of Soil Science, 2014, 94, 421-433.	1.2	41
8	Determination of organic carbon and nitrogen in particulate organic matter and particle size fractions of Brookston clay loam soil using infrared spectroscopy. European Journal of Soil Science, 2012, 63, 177-188.	3.9	38
9	Simulating the effect of long-term fertilization on maize yield and soil C/N dynamics in northeastern China using DSSAT and CENTURY-based soil model. Nutrient Cycling in Agroecosystems, 2013, 95, 287-303.	2.2	33
10	Modifying fertilizer rate and application method reduces environmental nitrogen losses and increases corn yield in Ontario. Science of the Total Environment, 2020, 722, 137851.	8.0	33
11	Estimating the impact of manure nitrogen losses on total nitrogen application on agricultural land in Canada. Canadian Journal of Soil Science, 2011, 91, 107-122.	1.2	31
12	Simulating maize (<i>Zea mays</i> L.) growth and yield, soil nitrogen concentration, and soil water content for a long-term cropping experiment in Ontario, Canada. Canadian Journal of Soil Science, 2014, 94, 435-452.	1.2	24
13	Soil Loss, Crop Growth, and Economic Margins under Different Management Systems on a Sloping Field in the Black Soil Area of Northeast China. Agroecology and Sustainable Food Systems, 2011, 35, 293-311.	0.9	23
14	Simulation of long-term spring wheat yields, soil organic C, N and water dynamics using DSSAT-CSM in a semi-arid region of the Canadian prairies. Nutrient Cycling in Agroecosystems, 2015, 101, 401-419.	2.2	21
15	Sensitivity analysis of crop yields, soil water contents and nitrogen leaching to precipitation, management practices and soil hydraulic properties in semi-arid and humid regions of Canada using the DSSAT model. Nutrient Cycling in Agroecosystems, 2016, 106, 201-215.	2.2	21
16	Modelling adaptation strategies to reduce adverse impacts of climate change on maize cropping system in Northeast China. Scientific Reports, 2021, 11, 810.	3.3	19
17	Effect of mineral N fertilizer and organic input on maize yield and soil water content for assessing optimal N and irrigation rates in Central Kenya. Field Crops Research, 2022, 277, 108420.	5.1	17
18	Effect of conservation and conventional tillage on soil water storage, water use efficiency and productivity of corn and soybean in Northeast China. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2013, 63, 383-394.	0.6	14

#	ARTICLE	IF	CITATIONS
19	Upscaling modelled crop yields to regional scale: A case study using DSSAT for spring wheat on the Canadian prairies. Canadian Journal of Soil Science, 2015, 95, 49-61.	1.2	14
20	How do changes in bulk soil organic carbon content affect carbon concentrations in individual soil particle fractions?. Scientific Reports, 2016, 6, 27173.	3.3	14
21	Interactions between reactive nitrogen and the Canadian landscape: A budget approach. Global Biogeochemical Cycles, 2014, 28, 1343-1357.	4.9	13
22	A GIS-based fertilizer decision support system for farmers in Northeast China: a case study at Tong-le village. Nutrient Cycling in Agroecosystems, 2012, 93, 323-336.	2.2	11
23	Provincial potassium balance of farmland in China between 1980 and 2010. Nutrient Cycling in Agroecosystems, 2017, 107, 247-264.	2.2	10
24	Infrared spectroscopy prediction of organic carbon and total nitrogen in soil and particulate organic matter from diverse Canadian agricultural regions. Canadian Journal of Soil Science, 0, , .	1.2	6
25	Soil Organic Carbon Changes for Croplands across China from 1991 to 2012. Agronomy, 2021, 11, 1433.	3.0	4
26	CANB v4.0: A Model for Simulating Residual Soil Nitrogen and Nitrogen Leaching in Canadian Regional Scale. , 2014, , .		1