



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Xin Xiaoping



Professor



Ph.D. Supervisor



86-10-82109615



xinxiaoping@caas.cn



Innovation Team of Grassland Ecological Remote Sensing, IARRP, CAAS



Quhua Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Grassland ecology
- Ecological remote sensing
- Grassland productivity
- Grassland degradation
- Global change

Publication

Climate change dominated long-term soil carbon losses of Inner Mongolian grasslands, Global Biogeochemical Cycles, 2020, DOI:10.1029/2020GB006559

Effects of mowing frequency on abundance, genus diversity and community traits of soil nematodes in a meadow steppe in northeast China, Plant and Soil, 2020, DOI: 10.1007/s11104-020-04740-9

Quantitative monitoring of grazing intensity in the temperate meadow steppe based on remote sensing data, International Journal of Remote Sensing, 2019, DOI:



10.1080/01431161.2018.1500733

Grazing-induced microbiome alterations drive soil organic carbon turnover and productivity in meadow steppe,Microbiome, 2018, DOI:10.1186/s40168-018-0544-y

Mapping daily leaf area index at 30 m resolution over a meadow steppe area by fusing Landsat, Sentinel-2A and MODIS data,International Journal of Remote Sensing,2018,DOI: 10.1080/01431161.2018.1504342

Grazing modulates soil temperature and moisture in a Eurasian steppe,Agricultural and Forest Meteorology,2018, DOI:10.1016/j.agrformet.2018.07.011

Response of ecosystem CO₂ fluxes to grazing intensities - a five-year experiment in the Hulunber meadow steppe of China,Scientific Reports,2017,DOI:10.1038/s41598-017-09855-1

Modeling aboveground biomass in Hulunber grassland ecosystem by using unmanned aerial vehicle discrete lidar,Sensors,2017,DOI:10.3390/s17010180

Grazing intensity and driving factors affect soil nitrous oxide fluxes during the growing ,Environmental Research Letters,2016,DOI:10.1088/1748-9326/11/5/054004

Variability and climate change trend in vegetation phenology of recent decades in the greater Khingan mountain area, northeastern China,Remote Sensing,2015,DOI:10.3390/rs70911914

Grassland plants illustrated handbook of Hulunber(CN), Beijing/Science Press, 2019, ISBN:9787030622563

Agricultural spatial information standards and norms(CN), Beijing/China Agriculture Press, 2016, ISBN:9787109187764

Digital grassland theory,technology and practice(CN), Beijing/Science Press, 2015, ISBN:9787030445414

Suitability zoning of main cultivated forages in China(CN), Beijing/Science Press, 2015, ISBN:9787030426970

China ecosystem orientation observation and research • grassland and desert ecosystem volume • Inner Mongolia Hulunber station data set(CN),Beijing/China Agriculture Press, 2011, ISBN: 9787109155428