Huishan FU

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Huishan Fu is a Professor at the School of Space and Environment, Beihang University. He received his PhD in Space Physics from the National Space Science Center (NSSC), Chinese Academy of Sciences (CAS) in 2010, had a postdoc training at the Swedish Institute of Space Physics during 2010-2012, and soon joined the Beihang University and have been working there since 2013. Prof. Fu's research fields include the fundamental space plasma processes (e.g., turbulence, magnetic reconnection, waveparticle interaction) and the space weather (e.g., substorms, radiation belts, Solar wind—Magnetosphere—Ionosphere coupling). He devoted himself to understanding how the energy is transferred from solar wind to magnetosphere through magnetic reconnection, how it is carried by the earthward-propagating dipolarization fronts during substorms, and how it is injected into the radiation belts and ring-current region. His scientific achievements are primarily based on analysis of the spacecraft data, including the data from MMS, Cluster, THEMIS, IMAGE, DMSP, etc. He also developed a technique to reconstruct the magnetic field topology in space, which is particularly useful for the study of magnetic reconnection. So far, he has published 83 scientific articles in peer-reviewed journals, including one invited review paper in the AGU Geophysical Monograph. Since 2013, all his first-author papers have been highlighted by scientific organizations such as NASA, ESA, AGU etc. He is currently involved in a few Chinese space missions, targeting the Solar corona and the Earth's magnetosphere and ionosphere.