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Academician, Professor of Institute of Atmospheric  
Physics, Chinese Academy of Sciences. He is a member  
at large – Executed Bureau of IAMAS ( International  
Association of Meteorology and Atmospheric Sciences),  
Chair of China National Committee of (IAMAS), a Chief  
editor of ‘Advances in Atmospheric Science’ and a former  
director of Key Laboratory of Middle Atmosphere and  
Global Environment Observation (LAGEO). He has been  
involved in basic and high-tech research in various fields

of atmospheric science, solar-terrestrial physics, earth observation, middle atmosphere  
research and global climate change research, as chief scientist to develop the first  
VHF/ST radar in mainland China, doing research on gravity waves, ozone depletion,  
volcanic eruption, as well as stratosphere- troposphere coupling etc. He is the chief  
scientist of Earth Environment Monitoring Unit on board China spacecraft SZ-3 which  
was launched in 2002. He also actively involved in earth observation high-tech R&D  
programs, as well as R&D of ground –based atmosphere remote sensing system. For  
understanding the coupling between lower and upper atmosphere, since 2012, the  
project APSOS (Atmospheric Profiling Synthetic Observation System), a big size  
instrument devoting to high resolution observation for whole atmosphere, funded by  
NSFC (National Natural Science Foundation of China), is being development in Tibet, he  
is the PI of this project. Now he is a leading scientist of Program “Carbon Budget and  
Relevant Issues in Response to Climate Change”——A Strategic Priority Research  
Program, devoting to quantitative understanding of carbon emission and sink in whole  
China territory and related climate prediction and projection, as well as policy guidance  
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