

PLATEAU METEOROLOGY

Vol. 43 No. 1 February, 2024

CONTENTS

Progress of the Evolutionary Characteristics of Autumn Rain in Western China and Its Anomalous Mechanism for the Past 20 Years	LI Yinuo, LI Yueqing (1)
Review on Developments and Improvements in Vertical Coordinates for Numerical Prediction Models	CHENG Rui, YU Rucong, XU Youping, HUANG Jing, SHEN Xiaojing (16)
A Comparative Study on the Summer Raindrop Size Distribution Among Areas over the Central and Eastern Qinghai-Xizang (Tibetan) Plateau and the Western Sichuan Basin	LIU Yanxia, WEN Jun, XIE Xiaolin (28)
Action Mechanism of Tibetan Plateau's Eastern Slope Topography on the PLV Affecting Yunnan Precipitation	HE Yu, ZHU Li, LI Guoping, XIE Jiaxu, MA Wenqian, TAO Li, ZHANG Wanchen (42)
Multi-Scenario Projection of Future Precipitation over the Qinghai-Xizang (Tibetan) Plateau Based on CMIP6 Model Assessment Results	LI Boyuan, HU Qin (59)
Analysis of the Dynamical Structure and Genesis of Two Different Life-History Eastward Moving Plateau	TU Nini, YU Shuhua, LI Yueqing (73)
Evaluation of Winter Near-surface 2 m Temperature around the Hengduan Mountains in Southwest China Simulated by ECMWF	WU Shimei, TANG Na, LIANG Yuqi, OU Xuyang, LI Haijie, CHEN Haoming (88)
Study on Precipitation Observation and Retrieval Methods of X-band Phased Array Polarization Weather Radar in Motuo, Xizang	CHEN Haoran, GENG Fei, LIU Liping, YANG Hua (99)
Analysis of Water Vapor Transport Reduction in the Yarlung Tsangpo Grand Canyon Region: a Trajectory Tracking Approach	ZHANG Dengxv, YAN Hongru, MIAO Yunfei, ZHANG Min (114)
Mesoscale Numerical Simulation and Cloud Microphysical Characteristics of the Warm Zone Blizzard in Northern Xinjiang	LI Anbei, JU Chenxiang, ZHOU Yaman, LI Man, LI Ruqi (127)
Analysis of Water Vapor Characteristics During Heavy Snow in Different Warm Regions of Northern Xinjiang	ZHUANG Xiaocui, CHEN Lijuan, LI Boyuan, MIAO Yunlin (141)
Analysis on Precipitation Extremes and Characteristics of the Rainstorm Event in the West of Hexi Corridor	ZHANG Junxia, HUANG Wubin, WANG Yicheng, ZHAO Yanqin, WANG Jixin (156)
Analysis of Atmospheric Environment Characteristics and Radar Characteristics of Three Short-time Heavy Precipitation Cases under Different Influence Systems in Central Yunnan	ZHOU Hong, MIN Ying, XU Yanyan, NA Lijia, YE Hongwei (166)
Machine Learning-Based Prediction of Summer Extended-Range Precipitation and Possible Contribution of Soil Moisture over China	YE Yuchen, CHEN Haishan, ZHU Siguang, DONG Yinshuo (184)
Numerical Simulation Research on the Effect of Hail Suppression by AgI Seeding on Microphysical Process and the Charge and Discharge of Hail Cloud	LU Xian, GUO Fengxia, WU Zeyi, LIU Zhou, DENG Jie, CHEN Ke, WANG Qingyuan (199)
Effect of Downward Shortwave Radiation Difference on the Surface Radiation Balance of Meadow Grassland	LI Fu, ZHOU Bingrong, WANG Li, MA Wenze, HUO Jinhu (217)
Turbulent Flux Mass Evaluation and Contribution Region Analysis of the Underlying Surface in Southern Sichuan Forest	FAN Demin, ZHANG Yu, SU Youqi, ZHANG Qian (227)
Optical Characterization of Aerosols in Gansu Province Based on CE-318 Observations	HUANG Fangfang, MA Weiqiang, WANG Suichan, ZHANG Hong, KONG Xiaoyi, LU Pinrui, WANG Xudong, LIU Hao, YAN Yidan (241)
Simulation Study of Typical Flash Floods based on Radar-estimated Rainfall and WRF-Hydro Model	HU Yingchun, CHEN Yaodeng, GAO Yufang, PENG Tao (254)
Analysis on Spatio-Temporal Variability of Fractional Vegetation Cover and Influencing Factors from 2000 to 2020 in Southwestern China	LIU Yuting, WANG Lei, LI Xiehui, GUO Lei (264)