

SPACE SCIENCE ACTIVITIES IN CHINA

CONTENTS

Space Research Plan of China's Space Station	<i>GAO Ming, ZHAO Guangheng, GU Yidong</i>	(1)
Progress of Strategic Priority Program on Space Science	<i>WU Ji, WANG Chi</i>	(7)
China's Planning for Deep Space Exploration and Lunar Exploration by 2030.....		
..... <i>XU Lin, ZOU Yongliao, JIA Yingzhuo</i>		(14)
Development of China's New Generation Launch Vehicles..... <i>QIN Tong, XU Lijie, LI Pingqi, LIU Jiajia</i>		(16)
Progress of Space Sciences and Application Projects in China's Manned Space Flight.....		
..... <i>GAO Ming, ZHAO Guangheng, GU Yidong</i>		(22)
Latest Scientific Results of China's Lunar Exploration Program	<i>XU Lin, ZOU Yongliao, QIN Lang</i>	(44)
Progress of the Quantum Experiment Science Satellite (QUESS) "Micius" Project	<i>PAN Jianwei</i>	(51)
Dark Matter Particle Explorer and Its First Results	<i>CHANG Jin</i>	(57)
Science Research of Microgravity Satellite SJ-10	<i>HU Wengrui, KANG Qi</i>	(62)
Status of the Hard X-ray Modulation Telescope (Insight-HXMT) Project.....		
..... <i>LU Fangjun, ZHANG Shuangnan</i>		(71)
TanSat Mission Achievements: from Scientific Driving to Preliminary Observations.....		
..... <i>LIU Yi, WANG Jing, YAO Lu, CHEN Xi, CAI Zhaonan, YANG Dongxu, YIN Zengshan, GU Songyan, TIAN Longfei, LU Naimeng, LÜ Daren</i>		(75)
Recent Advances in Observation and Research of the Chinese Meridian Project	<i>WANG Chi</i>	(88)
Scientific Objectives and Payloads of Chinese First Mars Exploration		
..... <i>JIA Yingzhuo, FAN Yu, ZOU Yongliao</i>		(101)
Brief Introduction about the SVOM Mission	<i>WEI Jianyan</i>	(106)
Progress of Solar Wind Magnetosphere Ionosphere Link Explorer (SMILE) Mission		
..... <i>WANG Chi, BRANDUARDI-RAYMOND Graziella</i>		(107)
State-of-the-art of the China Seismo-Electromagnetic Satellite Mission		
..... <i>SHEN Xuhui, ZHANG Xuemin, YUAN Shigeng, WANG Lanwei, CAO Jinbin, HUANG Jianping, ZHU Xinghong, PIERGIORGIO Picozzo, DAI Jianping</i>		(112)

>> SPACE SCIENCE ACTIVITIES IN CHINA

Space Solar Physics in China	<i>GAN Weiqun, FAN Quanlin</i>	(121)
Interplanetary Physics in Mainland China	<i>ZHAO Xinhua, ZHANG Min, WANG Yuming, HE Jiansen, NING Hao, QIN Gang</i>	(124)
Magnetospheric Physics in China	<i>CAO Jinbin, YANG Junying</i>	(154)
Chinese Ionospheric Investigations	<i>LIU Libo, WAN Weixing</i>	(226)
Advances in the Researches of the Middle and Upper Atmosphere in China	<i>CHEN Zeyu, CHEN Hongbin, XU Jiayao, LÜ Daren, ZHANG Shaodong, XUE Xianghui, TIAN Wenshou, LIU Renqiang, CHEN Wen, HU Yongyun, WANG Rui, HU Dingzhu, HU Xiong, YANG Guotao, GONG Yun, LU Gaopeng</i>	(252)
Space Weather Service for Chinese Space Science Satellites	<i>LIU Siqing, ZHONG Qiuzhen, GONG Jiancun, SHI Liqin, CHEN Dong, MIAO Juan, CAI Yanxia, BAI Meng, MA Wenzhen, LI Zhitao, LIU Fanghua, CHEN Yanhong</i>	(270)
Recent Progress of Fengyun Meteorology Satellites	<i>ZHANG Peng, CHEN Lin, XIAN Di, XU Zhe</i>	(278)
Progress of Earth Observation and Earth Science in China	<i>GUO Huadong, LIU Guang, LIANG Dong, ZHANG Lu, XIAO Han</i>	(290)
Manipulation of Colloidal Droplets in Space and the Instability of Thermocapillary Convection in Large Prandtl Number Liquid Bridge in Microgravity	<i>WANG Yuren, DUAN Li, KANG Qi, LAN Ding, LI Weibing</i>	(302)
National Report on Space Medicine Progress	<i>LI Yinghui, LI Weigang, DING Bai, WU Dawei, LIU Zhaoxia, HE Li, ZHOU Wanlong, XU Zi</i>	(306)
Space Life Science of China	<i>MA Hong, REN Hao, LI Xiaoqiong, YANG Chunhua, CHEN Yu, WANG Rui, YING Zhang, WANG Changyong, ZHOU Jin, LI Hong, JIANG Xiaoxia, ZHANG Fengzhi, HAO Tong, ZHU Huimin, DONG Xiaohui, ZHENG Huiqiong, WANG Lihua, SUN Weining, TONG Guanghui, ZHENG Weibo, ZHANG Tao, LONG Mian, LIU Hong, ZHUANG Fengyuan, DENG Yulin</i>	(312)
Materials Experiment on Tiangong-2 Space Laboratory	<i>PAN Mingxiang, LI Xiangyang, MENG Xiangjian, HUA Zile, SHI Jianlin, XU Guisheng, LI Xiaoya, CHEN Lidong, JIE Wenjun, WEI Bingbo, ZHANG Xingwang, YIN Zhigang, LI Hong, ZHENG Huiqiong, WANG Lihua, SUN Weining, TONG Guanghui, ZHENG Weibo, ZHANG Tao, LONG Mian, LIU Hong, ZHUANG Fengyuan, DENG Yulin</i>	(322)
Solidification and Crystal Growth on the SJ-10 Recoverable Scientific Experiment Satellite	<i>YIN Zhigang, ZHANG Xinwang</i>	(328)
Progresses and Activities of the International Space Science Institute in Beijing (ISSI-BJ)	<i>FALANGA Maurizio, DONG Xiaolong</i>	(331)