

深空探测学报(中英文)(双月刊)

第7卷 第6期 2020年12月

目次

专题：太阳系边际探测

(主持人：吴伟仁 中国工程院院士 研究员，探月与航天工程中心；

王 赤 中国科学院院士 研究员，中国科学院国家空间中心；

宗秋刚 教授，北京大学)

- 太阳系边际探测项目的科学问题 王赤，李晖，郭孝城，等 (517)
- 同位素温差电池用高效热电转换材料与器件研究进展 柏胜强，廖锦城，夏绪贵，等 (525)
- 面向太阳系边际探测的多天体借力目标选择方法 曹知远，李翔宇，乔栋 (536)
- 太阳系边际探测任务的科学载荷配置研究 张爱兵，李晖，孔令高，等 (545)
- 从地球磁层到外日球层及以远区域探测..... 宗秋刚，任杰，何建森，等 (554)
- 外日球层激波事件的一维磁流体力学数值模拟 郭孝城，周昱成，王赤，等 (560)
- 太阳系边际的能量粒子探测 王玲华，宗秋刚，任杰 (567)
- 外日球层的宽能段离子及其与湍动的耦合作用 何建森，林荣，崔博，等 (574)
- 海王星探测：稀有气体和挥发分分析 SMITH Thomas，贺怀宇，刘冉冉 (584)

论 文

- 基于 VLBI 的高精度定位 郭丽，张宇，李金岭，等 (605)

期刊基本参数:CN 10-1707/V * 2014 * b * A4 * 104 * zh + en* P * ¥30.00 * 1000* 10* 2020-12

Journal of Deep Space Exploration

Vol. 7 No. 6 (December, 2020)

CONTENTS

Topic: Exploring the Solar System Boundary

(Guest Editor: Professor WU Weiren, Academician of Chinese Academy of Engineering,
Lunar Exploration and Space Engineering Center;
Professor WANG Chi, Academician of Chinese Academy of Sciences,
National Space Science Center, Chinese Academy of Sciences;
Professor ZONG Qiugang, Peking University)

Scientific Objectives for the Exploration of the Boundary of Solar System	WANG Chi, LI Hui, GUO Xiaocheng, et al (517)
Research Progress of Thermoelectric Materials and Devices for Radioisotope Thermoelectric Generators	BAI Shengqiang, LIAO Jingchen, XIA Xugui, et al (525)
Target Selection of Multiple Gravity-Assist Trajectories for Solar Boundary Exploration	CAO Zhiyuan, LI Xiangyu, QIAO Dong (536)
Scientific Payloads Proposal for Chinese Solar System Boundary Exploration Mission	ZHANG Aibing, LI Hui, KONG Linggao, et al (545)
From Earth's Magnetospheres to the Outer Heliosphere & Beyond	ZONG Qiugang, REN Jie, HE Jiansen, et al (554)
One-Dimensional Numerical MHD Simulation of the Shock Events in the Outer Heliosphere	GUO Xiaocheng, ZHOU Yucheng, WANG Chi, et al (560)
Detection of Energetic Particles in the Outer Heliosphere and its Boundaries	WANG Linghua, ZONG Qiugang, REN Jie (567)
Broad Energy-Band Ions in the Ourter Heliosphere and Their Coupling with Turbulence	HE Jiansen, LIN Rong, CUI Bo, et al (574)
The Exploration of Neptune: A Noble Gas and Volatile Perspective	SMITH Thomas, HE Huaiyu, LIU Ranran (584)

Article

The High Precise Positioning Reduction Based on VLBI	GUO Li, ZHANG Yu, LI Jinling, et al (605)
---	---