1. Zhang Shengkai, Gong Li, Gao Wenliang, Zeng Qi, Xiao Feng, Liu Zhizhao, Lei Jintao*, A weighted mean temperature model using principal component analysis for Greenland, GPS Solutions, 2023, 27, 57 （SCI一区）

2. Ban Wei*, Zheng Nanshan, Zhang Kefei, Yu Kegen, Chen Shuo, Lu Qi, Green algae monitoring via ground‑based GNSS‑R observations, GPS Solutions, 2023, 27: 36 （SCI一区）

3. Chen Ying, Lei Ruibo, Zhao Xi, Wu Shengli, Liu Yue, Fan Pei, Ji Qing, Zhang Peng, Pang Xiaoping*, A new sea ice concentration product in the polar regions derived from the FengYun-3 MWRI sensors, Earth System Science Data, 2023, 15, 3223–3242 （SCI一区）

4. Pang Xiaoping, Zhang Chenlei, Ji Qing*, Chen Yizhuo, Zhen Zeng, Zhu Yamin, Yan Zhongnan, Analysis of sea ice conditions and navigability in the Arctic Northeast Passage during the summer from 2002-2021, Geo-spatial Information Science, 2023, 26 (3): 465-479（SCI一区）

5. Zhang Fanyi, Lei Ruibo*, Zhai Mengxi, Pang Xiaoping, Li N, The impacts of anomalies in atmospheric circulations on Arctic sea ice outflow and sea ice conditions in the Barents and Greenland seas: case study in 2020, The Cryosphere, 2023, 17, 4609–4628 (SCI二区)

6. Gao Shengjun, Hao Weifeng*, Fan Yi, Li Fei, Wang Jing, A multi-source GRACE fusion solution via uncertainty quantification of GRACE-Derived terrestrial water storage (tws) change, Journal of Geophysical Research: Solid Earth, 2023,128 (11): e2023JB026908（SCI二区）

7. Liang Zeyu, Ji Qing, Pang Xiaoping*, Fan Pei, Yao Xuedong, Chen Yizhuo, Chen Ying, Yan Zhongnan，Estimation of Daily ArcticWinter Sea Ice Thickness from Thermodynamic Parameters Using a Self-Attention Convolutional Neural Network, Remote Sensing, 2023, 15, 1887（SCI二区）

8. Wang Yueyun, Ji Qing, Pang Xiaoping*, Qu Meng, Cha Mingxing, Zhang Fanyi, Yan Zhongnan, He Bin, Distribution Characteristics and Influencing Factors of Sea Ice Leads in the Weddell Sea, Antarctica, Remote Sensing, 2023, 15, 5568 （SCI二区）

9. Fan Yi, Hao Weifeng*, Ma Chao, Gao Shengjun, Li Fei, Identification and Activity of Subglacial Lakes Beneath the Mercer and Whillans Ice Streams and Slessor Glacier, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 61, 10359-10368（SCI二区）

10. Cui Ran, Kong Jian*, Yao Yibin, Zhou Chen, Shen Qingshan, Zhang Qi, An Jiachun, Analysis of Polar Ionosphere Anomaly of Interplanetary Shock Events Based on GNSS TEC, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16: 5660-5669（SCI二区）

11. Zhu Dongyu, Zhou Chunxia, Zhu Yikai, Wang Tao, Zhang Ce*, Monitoring of supraglacial lake distribution and full-year changes using multisource time-series satellite imagery, Remote Sensing, 2023, 15, 5726 （SCI二区）

12. Wang Tao, Zhou Chunxia*, Qian Yide, Chen Gang, Zhu Dongyu, Zhu Yikai, Liu Yong, Basal Channel System and Polynya Effect on a Regional Air–Ice–Ocean–Biology Environment System in the Prydz Bay, East Antarctica, Journal

of Geophysical Research: Earth Surface, 2023, 128（SCI二区）

13. Zhu Yikai, Zhou Chunxia*, Zhu Dongyu, Wang Tao, Zhang Tengfei, Interannual Variation of Landfast Ice Using Ascending and Descending Sentinel-1 Images from 2019 to 2021: A Case Study of Cambridge Bay, Remote Sensing. 2023, 15(5): 1296 （SCI二区）

14. Liu Tingting, Ding Rui, Ai Songtao*, An improved intersection method for positioning and its application on Dalk Glacier, East Antarctica, Journal of Surveying Engineering, 2023, 149 (1): 05022004（SCI三区）

15. Liu Mingliang, Wang Zemin, Zhang Baojun*, Wu Shuang, An Jiachun, Extraction and Analysis of the Antarctic Ice Shelf Basal Channe, IEEE Geoscience and Remote Sensing Letters , 2023, 20: 2000605 (SCI三区)

16. Shen Qingshan, Wang Zemin, Kong Jian*, Yao Yibin, Wang Zhuangkai, Zhou Chen, Ionospheric Response to an Antarctic cyclone in the Transantarctic Mountains, Advances in Space Research, 2023, 72: 1277-1289（SCI三区）

17. 陈帅均，艾松涛*，南极验潮站对全球地震海啸的响应，地球物理学报，2023，66(3): 1015-1024 （SCI四区）

18. Liu Mingliang, Wang Zemin, Zhang Baojun*, Li Chuanjin, Song Xiangyu, An Jiachun, The great calving in 2017 did not have a significant impact on the Larsen-C Ice Shelf in the short term, Geo-spatial Information Science, 2023, 1-16 (SCI一区)

19. Zheng Yingjun, Hao Weifeng*, Ye Mao, Chen Yihao, Zhang Wensong, Li Fei, Construction of a high-quality digital elevation model of the Amundsen crater and landing area selection for future lunar missions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, doi: 10.1109/JSTARS.2023.3339967. (SCI二区)

20. Wang Chuya, Yang Yuande*, Li Fei*, Wang Junhao, Li Leiyu, Yu Huiting, Water Changes and Sources of Siling Co Using Landsat and GRACE Data since 1972, Journal of Earth Science, https://doi.org/10.1007/s12583-022-1761-7（SCI二区）

21. Yan Zhongnan, Pang Xiaoping*, Ji Qing*, Chen Yizhuo, Luo Chongxin, Fan Pei, Liang Zeyu, Retrieval of snow depth on Antarctic sea ice from the FY-3D MWRI data, Acta Oceanologica Sinica, 2023, Acta Oceanol. Sin., 2023, https://doi.org/10.1007/s13131-023-2179-5（SCI三区）

22. 陈亮宇，安家春*，王泽民，柳景斌，屈小川，同天线不同接收机的GNSS-IR雪深反演分析，武汉大学学报信息科学版，2023, 48(8): 1312-1321 （EI）

23. 刘婷婷，丁锐*，艾松涛，张保军，王泽民，基于REMA数据的东南极达尔克冰川表面塌陷事件研究，遥感学报，2023, 27 (9): 2114-2126 （EI）

24. 闫忠男，庞小平，季青*，肖泽，利用FY-3B MWRI遥感数据反演南极海冰表面积雪厚度，遥感学报，2023, 27 (4): 986-997 （EI）

25. Lei Jintao, Li Wenhao*, Zhang Shengkai, Improving Consistency of GNSS-IR Reflector Height Estimates between Different Frequencies using Multichannel Singular Spectrum Analysis, Remote Sensing, 2023, 15, 1779（SCI二区）

26. Cheng Qing, Hao Weifeng*, Ma Chao, Ye Fan, Luo Jie, Qu Ying, Daily arctic sea-ice albedo retrieval with a multiband reflectance iteration algorithm. IEEE

Transactions on Geoscience and Remote Sensing, 2023, 61, 4302712（SCI一区）

27. Xu Chaoqian, Zhu Yiqun, Xu Xingyu, Jian Kong*, Yao Yibin, Shi Junbo, Li Xiulong, Regional Tropospheric Correction Model from GNSS-Saastamoinen-GPT2w Data for Zhejiang Province, Atmosphere, 2023, 14(5), 815（SCI四区）

28. Cui Lilu, Chen Xiusheng, An Jiachun*, Yao Chaolong, Su Yong, Zhu Chengkang, Li Yu, Spatiotemporal Variation Characteristics of Droughts and Their Connection to Climate Variability and Human Activity in the Pearl River Basin, South China, Water, 2023, 15(9): 1720 (SCI三区)

29. Song Xiangyu, Wang Zemin, Song Jianbin, Zhang Baojun*, Liu Mingliang, The Morphological changes of basal channels based on multi-source remote sensing data at the Pine Island Ice Shelf, Acta Oceanologica Sinica, 2023, 42(11): 1-15 (SCI三区)

30. Gao Xingguo, Chang Zengliang, Ma Chao, Qu Meng, Zhang Shengkai, Xiao Feng*, Accuracy Comparison and Analysis of Interpolation Methods in DEM Generation with 3D Laser Point Cloud Data. Proc. SPIE 12815, International Conference on Remote Sensing, Mapping, and Geographic Systems (RSMG2023), 128150C （EI）

31. 沈骁，郝卫峰*，叶茂，龚力，樊羿，李斐，月球南极地区LOLA数据分析与评价，测绘地理信息，2023, 48(6): 73-77（中文核心）

32. 蔡祎，艾松涛，赵前胜*，我国东南沿海风暴潮灾害时空分布规律及可视化研究，测绘地理信息，2023，48(4): 116-121（中文核心）

33. 肖倩雨，周春霞*，刘勇，1996—2021年格陵兰冰盖表面融化时空变化分析，冰川冻土，2023, 45 (2): 446-455（中文核心）

34. 郭昊，季青，庞小平*，石立坚，闫忠男，罗重鑫，国内外7种常用南极被动微波海冰密集度产品的比较与评估，海洋学报，2023，45(6): 141-159

35. Li Wenhao, Lei Jintao*, C.K. Shum, Li Fei, Zhang Shengkai, Shu Chanfang, Chen Wei, Unraveling contributions of Greenland's seasonal and transient crustal deformation during the past two decades, Remote Sensing of Environment, 2023, 295, 113701（SCI一区）

36. Mei Dengkui, Ren Xiaodong*, Le Xuan, Liu Hang, Zhang Xiaohong*, Ionospheric Tomography: A Compressed Sensing Technique Based on Dictionary Learning, IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 5800410（SCI一区）

37. Zhang Qi, Yao Yibin*, Kong Jian, Ma Xiongwei, Zhu Hang, A new GNSS TEC Neural Network Prediction Algorithm with the Data Fusion of Physical Observation, IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 5801612（SCI一区）

38. Ye Fan, Cheng Qing*, Hao Weifeng, Yu Dayu, Ma Chao, Shen Huanfeng, Reconstructing daily snow and ice albedo series for Greenland by coupling spatiotemporal and physics-informed models, International Journal of Applied Earth Observation and Geoinformation, 2023, 124, 103519（SCI一区）

39. Zhu Feng, Chen Xi, Liu Wanke*, Wang Yingzhe, Zhang Xiaohong, Connecting integer ambiguities to avoid reinitialization and keep VRS seamless switching

for virtual grid‑based NRTK, GPS Solutions, 2023, 27: 133（SCI一区）

40. Zhu Feng*, Chen Xi, Ma Liye, Liu Wanke, Zhang Xiaohong, S2L‑RTK: temporal ionospheric modeling for RTK baselines varying from short to long, GPS Solutions, 2023, 27: 156 （SCI一区）

41. Tao Xianlu , Zhang Xiaohong*, Zhu Feng, Liu Wanke, Li Lan, A Hybrid State Representation-Based GNSS Filtering Model to Improve Vehicular Positioning Performance, IEEE Sensors Journal, 2023, 23 (4): 3924-3935 (SCI二区)

42. Hu Jie, Zhu Feng, Zhuo Desheng, Xu Qingxu, Liu Wanke*, Zhang Xiaohong, Performance Evaluation of Stereo Vision Aided Loosely Coupled GNSS/SINS Integration for Land Vehicle Navigation in Different Urban Environments, IEEE Sensors Journal, 2023, 23 (4): 4129-4141 (SCI二区)

43. Liu Hang, Ren Xiaodong*, Zhang Xiaohong, Mei Dengkui, Yang Pengxin, Investigating the Effects of Ionospheric Scintillation on Multi-Frequency BDS-2/BDS-3 Signals at Low Latitudes, Space Weather, 2023, 21 (SCI二区)

44. Mei Dengkui, Ren Xiaodong*, Liu Hang, Le Xuan, Xiong Si, Zhang Xiaohong, Global Three-Dimensional Ionospheric Tomography by Combination of Ground-Based and Space-Borne GNSS Data, Space Weather, 2023, 21 (SCI二区)

45. Ren Xiaodong*, Li Yan, Mei Dengkui, Zhu Wei, Zhang Xiaohong, Improving topside ionospheric empiricalmodel using FORMOSAT-7/COSMIC-2 data, Journal of Geodesy, 2023, 97 (SCI二区)

46. Chen Jun, Ren Xiaodong*, Yang Pengxin, Xu Guozhen, Huang Liangke, Xiong Si, Zhang Xiaohong, Global Ionosphere Modeling Based on GNSS, Satellite Altimetry, Radio Occultation, and DORIS Data Considering Ionospheric Variation, Journal of Geophysical Research: Space Physics, 2023, 128, e2023JA031514 (SCI二区)

47. Yu Qiuze, Wang Ruikai*, Liu Fanghong, Xiao Jinsheng, An Jjiachun, Liu Jin, High Precision Mesh-Based Drone Image Stitching Based on Salient Structure Preservation and Regular Boundaries, Drones, 2023, 7, 230 (SCI二区)

48. Zhai Changzhi, Dang Tong*, Yao Yibin, Kong Jian, Chen Yutian, Xiaoyun Cheng, Three-Dimensional Ionospheric Evolution and Asymmetry of the Electron Density Depletion Generated by the 21 June 2020 Annular Solar Eclipse, Journal of Geophysical Research-Space Physics, 2023（SCI二区）

49. Wang Youkun, YaoYibin*, Kong Jian, Shan Lulu, Ionospheric Disturbances Triggered by China's Long March 2D Rocket, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1613（SCI二区）

50. Jiao Jiashuang, Pan Yuanjin*, Zhang Xiaohong, C. K. Shum, Zhang Yu, Ding Hao, Spatially heterogeneous nonlinear signal in Antarctic ice-sheet mass loss revealed by GRACE and GPS, Geophysical Journal International, 2023, 233: 826-838（SCI三区）

51. Li Jingming, Li Wenhao*, C.K. Shum, Li Fei, Zhang Shengkai, Lei Jintao, Unraveling the contributions of atmospheric rivers on Antarctica crustal deformation and its spatiotemporal distribution during the past decade, Geophysical Journal International, 2023, 235, 1325-1338 （SCI三区）

52. Zhang Wensong, Hao Weifeng, Zheng Chong, Ye Mao, Yan Jianguo*, Li Fei, An improved altimeter-derived gravity anomaly from shipborne gravity based on the mean sea surface height constraint factors method, Advances in Space Research, 2023, 71(6): 2909-2923（SCI三区）

53. Tian Yi, Zheng Nanshan*, Ban Wei, Hao Ming, Lang Fengkai, A Spaceborne GNSS-R Sea Ice Detection Method Based on Scene Semantic Objects, IEEE Geoscience and Remote Sensing Letters, 2023, 20: 1503605（SCI三区）

54. Ding Rui, Zheng Nanshan*, Zhang Hao, Zhang Hua, Lang Fengkai, Ban Wei, A Study of GNSS-IR Soil Moisture Inversion Algorithms Integrating Robust Estimation with Machine Learning, Sustainability, 2023, 15, 6919 （SCI三区）

55. Zhao Aiguo, An Lu*, Zhang Yinsheng, Wang Hansheng, Li Fei, Feng Tiantian, Hao Tong, Hao Weifeng, He Yan, Jiang Liming, Lu Ping, Meng Xianglian, Niu Xiaolei, Qiao Gang, Ren Xiaochun, Shen Qiang, Shen Yunzhong, Tian Yixiang, Wang Yongjie, Xiao Bin, Xie Huan, Zhang Shengkai, Zhou Fujun, Zhou Shiqiao, Li Rongxing, The global change and response special project: using remote sensing data to monitor and invert key components in the cryosphere, All Earth, 2013, 35(1), 2227488 （SCI四区）

56. 张小红，张元泰，朱锋*，城市复杂场景下GNSS定位的因子图优化方法及其抗差性能分析，武汉大学学报信息科学版，2023，48 (7): 1050-1057（EI）

57. Chang Zengliang, Ma Chao, Gao Xingguo, Dong Li, Qu Meng, Xiao Feng, Zhu Benxin*, Zhang Shengkai, Design and Realization of a 3D and User-Oriented Auxiliary System for Electric Power Engineering Field Survey. Proc. SPIE 12815, International Conference on Remote Sensing, Mapping, and Geographic Systems (RSMG 2023), 1281512 （EI）

58. 范艺培，王泽民，张保军*，基于ICESat-2卫星测高的南极冰盖1 km数字高程模型，极地研究，2023，35(3):383-391(中文核心)

59. 董岳，张小红*，任晓东，基于伪距/相位OSB的多频多模PPP-AR及其性能评估，测绘地理信息，2023, 48 (3): 1-6