

1. Wenhao Li, C. K. Shum, Fei Li *, Shengkai Zhang , Feng Ming, Wei Chen, Bao Zhang, Jintao Lei, Qingchuan Zhang, Contributions of Greenland GPS observed deformation from multisource mass loading induced seasonal and transient signals. *Geophysical Research Letters*, 2020, 47 (15), e2020GL088627 (SCI 一区)
2. Yu Zhang, Guoqing Zhang*, Tingting Zhu, Seasonal cycles of lakes on the Tibetan Plateau detected by Sentinel-1 SAR data, *Science of the Total Environment*, 2020, 703, 135563 (SCI 一区)
3. Pei Fan, Xiaoping Pang, Xi Zhao*, Mohammed Shokr, Ruibo Lei, Meng Qu, Qing Ji, Minghu Ding. Sea ice surface temperature retrieval from Landsat 8/TIRS: Evaluation of five methods against in situ temperature records and MODIS IST in Arctic region, *Remote Sensing of Environment*, 2020, 248, 111975 (SCI 一区)
4. Fei Li, Chao Ma, Shengkai Zhang*, Jintao Lei, Weifeng Hao, Qingchuan Zhang, Wenhao Li, Evaluation of the glacial isostatic adjustment (GIA) models for Antarctica based on GPS vertical velocities, *Science China Earth Sciences*, 2020, 63 (4), 575–590 (SCI 二区)
5. Zemin Wang, Xiangyu Song, Baojun Zhang*, Tingting Liu, Hong Geng, Basal Channel Extraction and Variation Analysis of Nioghalvfjærdsfjorden Ice Shelf in Greenland. *Remote Sensing*. 2020, 12(9), 1474; <https://doi.org/10.3390/rs12091474> (SCI 二区)
6. An J, Deng P, Zhang B*, Liu J, Ai S, Wang Z, Yu Q, Snow Depth Variations in Svalbard Derived from GNSS Interferometric Reflectometry. *Remote Sensing*. 2020, 12(20): 3352. (SCI 二区)
7. Yuande Yang*, Philip Moore, Zhenhong Li, Fei Li, Lake Level Change From Satellite Altimetry Over Seasonally Ice-Covered Lakes in the Mackenzie River Basin, *IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING*, 2020, online (SCI 二区)
8. Zhang Qingchuan, Li Fei*, Zhang Shengkai, Li Wenhao, Modeling and Forecasting the GPS Zenith Troposphere Delay in West Antarctica Based on Different Blind Source Separation Methods and Deep Learning, *Sensors*, 2020, 20(8): 2343 (SCI 二区)
9. Bing Li, Zemin Wang, Jiachun An*, Baojun Zhang, Hong Geng, Yuanyuan Ma, Mingci Li, Yide Qian. Ionospheric Phase Compensation for InSAR Measurements based on the Faraday Rotation Inversion Method. *Sensors* 2020, 20, 6877; [doi:10.3390/s20236877](https://doi.org/10.3390/s20236877) (SCI 二区)
10. Zhang B, Wang Z, Yang Q, Liu J, An J*, Li F, Liu T, Geng H, Elevation Changes of the Antarctic Ice Sheet from Joint Envisat and CryoSat-2 Radar Altimetry. *Remote Sens*. 2020, 12(22), 3746; <https://doi.org/10.3390/rs12223746>(SCI 二区)
11. Feng Xiao, Fei Li*, Shangkai Zhang, Jiaxing Li, Tong Geng, Yue Xuan, Estimating Arctic Sea Ice Thickness with CryoSat-2 Altimetry Data Using the Least Squares

- Adjustment Method. *Sensors*, 2020, 20(24), 7011. (SCI 二区)
12. Peng Yan, Zhiwei Li*, Fei Li*, Yuande Yang, Weifeng Hao, Antarctic ice-sheet structures retrieved from P-wave coda autocorrelation method and comparisons with two other single-station passive seismic methods, *Journal of Glaciology*, 2020, 66(255):153-165. (SCI 二区)
 13. Xiao Chi, Li Fei*, Yan Janguo, Hao Weifeng, Yuji Harada, Ye Mao, Jean-Pierre Barriot, Inversion of Venus Internal Structure based on Geodetic Data. *Research of Astronomy and Astrophysics*, 2020, 20(8): 127 (SCI 二区)
 14. Chen Yiming, Zhou Chunxia*, Ai Songtao, Liang Qi, Zheng Lei, Liu Ruixi, Lei Haobo. Dynamics of Dalk Glacier in East Antarctica derived from multisource satellite observations since 2000. *Remote Sensing*, 2020, 12 (11), 1809(SCI 二区)
 15. Dawei Gui, Ruibo Lei*, Xiaoping Pang, Jennifer K. Hutchings, Guangyu Zuo, Mengxi Zhai, Validation of remote-sensing products of sea-ice motion: a case study in the western Arctic Ocean, *Journal of Glaciology*, 2020, 66(259): 807–821 (SCI 二区)
 16. 肖峰, 李斐*, 张胜凯, 郝卫峰, 耿通, 宣越, 利用 CryoSat-2 波形数据建立南极 Lambert 冰川流域 DEM, *地球物理学报*, 2020, 63(8): 2893-290 (SCI 三区)
 17. 李斐, 郭云熙, 张宇*, 朱婷婷, 张胜凯, Cryosat-2 测高数据和 Landsat8 光学数据融合提取南极 Amery 冰架接地线, *地球物理学报*, 2020, 63(11): 3981-3995 (SCI 三区)
 18. Li Qing, Zhou Chunxia*, Zheng Lei, Liu Tingting, Yang Xiaotong. Monitoring evolution of melt ponds on first-year and multiyear sea ice in the Canadian Arctic Archipelago with optical satellite data. *Annals of Glaciology*, 2020, 10.1017/aog.2020.24 (SCI 三区)
 19. Zhaoliang Zeng, Zemin Wang*, Ke Gui, Xiaoyu Yan, Meng Gao, Ming Luo, Hong Geng, Tingting Liao, Xiao Li, Jiachun An, Haizhi Liu, Chao He, Guicai Ning, Yuanjian Yang*. Daily Global Solar Radiation in China Estimated From High-Density Meteorological Observations: A Random Forest Model Framework, *Earth and Space Science*, 2020 ,7(2), <https://doi.org/10.1029/2019EA001058> (SCI 三区)
 20. Hao Ke, Fei Li, Songtao Ai*, Jintao Lei, Zemin Wang, Shengkai Zhang, Establishment of chart datum and vertical datum transformation for hydrography in the Chinese Great Wall Bay, Antarctic Peninsula. *Journal of Surveying Engineering*, 2020, 146(2): 05020003 (SCI 三区)
 21. Zheng Lei, Zhou Chunxia*, Comparisons of snowmelt detected by microwave sensors on the Shackleton Ice Shelf, East Antarctica, *International Journal of Remote Sensing*, 2020, 41(4): 1338-1348 2020, 41(4): 1338-1348 (SCI 三区)
 22. Qing Ji*, Bingjie Li, Xiaoping Pang, Xi Zhao, Ruibo Lei, Arctic sea ice density observation and its impact on sea ice thickness retrieval from CryoSat-2, *Cold*

- Regions Science and Technology, 2020, 181, 103177, online (SCI 三区)
23. Li Fei, Zhang Qingchuan, Zhang Shengkai*, Lei Jintao, Li Wenhao, Evaluation of Spatio-Temporal Characteristics of Different Zenith Tropospheric Delay Models in Antarctica, *Radio Science*, 2020, 55, e2019RS006909 (SCI 四区)
 24. Bing Li, Zemin Wang*, Jiachun An, Chunxia Zhou, Yuanyuan Ma, Time-Series Analysis of Subsidence in Nanning, China, Based on Sentinel-1A Data by the SBAS InSAR Method, *PFG-Journal of Photogrammetry Remote Sensing and Geoinformation Science*, 2020, 88:291–304 (SCI 四区)
 25. Shokr, M. E., Wang, Z., and Liu, T.*: Sea ice drift and arch evolution in the Robeson Channel using the daily coverage of Sentinel-1 SAR data for the 2016–2017 freezing season, *The Cryosphere*, 2020, 14, 3611–3627 (SCI 一区)
 26. Zheng Lei, Zhou Chunxia*, Wang Kang. Enhanced winter snowmelt in the Antarctic Peninsula: Automatic snowmelt identification from radar scatterometer, *Remote Sensing of Environment*. 2020, 246: 111835. (SCI 一区)
 27. Lei Zheng, Chunxia Zhou*, Tingjun Zhang*, Qi Liang, Kang Wang, Recent changes in pan-Antarctic region surface snowmelt detected by AMSR-E and AMSR2, *The Cryosphere*, 2020, 14, 3811–3827 (SCI 一区)
 28. Gui, Ke; Che, Huizheng*; Zeng, Zhaoliang; Wang, Yaqiang; Zhai, Shixian; Wang, Zemin; Luo, Ming; Zhang, Lei; Liao, Tingting; Zhao, Hujia; Li, Lei; Zheng, Yu; Zhang, Xiaoye. Construction of a virtual PM2.5 observation network in China based on high-density surface meteorological observations using the Extreme Gradient Boosting model, *Environment International*, 141, 105801. DOI: 10.1016/j.envint.2020.105801 (SCI 一区)
 29. Lei Jintao, Chen Wu*, Li Zhao, Li Fei, Zhang Shengkai, A Full-Spectrum Bedrock Thermal Expansion Model and Its Impact on the Global Positioning System Height Time Series, *Geophysical Research Letters*, 2020, 47(1): e2019GL086022 (SCI 一区)
 30. Manuel Hernández-Pajares*, Haixia Lyu, Angela Aragon-Angel, Enric Monte, Jingbin Liu, Jiachun An, Hu Jiang. Polar electron content from GPS data-based global ionospheric maps: Assessment, case studies, and climatology. *Journal of Geophysical Research*, 2020, *Journal of Geophysical Research: Space Physics*, 125, e2019JA027677. <https://doi.org/10.1029/2019JA027677>. (SCI 二区)
 31. Hui Xi, Hu Jiang*, Jiachun An, Zemin Wang, Xueyong Xu, Houxuan Yan, Can Feng. Spatial and Temporal Variations of Polar Ionospheric Total Electron Content over Nearly Thirteen Years. *Sensors* 2020, 20(2), 540; doi:10.3390/s20020540. (SCI 二区)
 32. Zhang, T.X., Zang, L.*, Mao, F.Y., Wan, Y.C., Zhu, Y.N. Evaluation of Himawari-8/AHI, MERRA-2, and 3 CAMS Aerosol Products over China, *Remote Sensing*,

- 2020, 12, 1684 (SCI 二区)
33. Mao, F.Y., Zang, L.*, Wang, Z.M., Pan, Z.X., Zhu, B., Gong, W. Dominant synoptic patterns during wintertime and their impacts on aerosol pollution in Central China. *Atmospheric Research*, 2020, 232, 104701 (SCI 二区)
 34. Li Zhijiang, Zhu Haonan, Zhou Chunxia*, Cao Liqin*, Zhong Yanfei, Zeng Tao, Liu Jianqiang. A Color Consistency Processing Method for HY-1C Images of Antarctica. *Remote Sensing*, 2020, 12(7), 1143 (SCI 二区)
 35. Ruibo Lei*, Dawei Gui, Zhouli Yuan, Xiaoping Pang, Ding Tao, Mengxi Zhai, Characterization of the unprecedented polynya events north of Greenland in 2017/18 using remote sensing and reanalysis data, *Acta Oceanologica sinica*, 2020, 30 (9): 1-13 (SCI 二区)
 36. Ruibo Lei*, Dawei Gui, Petra Heil, Jennifer K. Hutchings, Minghu Ding, Comparisons of sea ice motion and deformation, and their responses to ice conditions and cyclonic activity in the western Arctic Ocean between two summers, *Cold Regions Science and Technology*, 2020, 170, 102925 (SCI 二区)
 37. Li, Hang; Wang, Zemin*; Cui, Xiangbin; Guo, Jingxue; Li, Lin; Sun, Bo. The effect of the second-order ionospheric term on GPS positioning in Antarctica. *Arctic, Antarctic, and Alpine Research*, 2020, 52(1), 210-221, DOI: 10.1016/j.envint.2020.105801 (SCI 三区)
 38. Zhang B, Liu J, Wang Z*, Liu T, Yang Q, Antarctic ice-shelf thickness changes from CryoSat-2 SARIn mode measurements: Assessment and comparison with IceBridge and ICESat. *Journal of Earth System Science*, 2020, 129(1) (SCI 四区)
 39. 陈俊霖, 周春霞*, 赵秋阳, 2003-2018 年 Byrd 冰川流域冰下湖活动及水文联系, *测绘学报*, 2020, 49(5): 547-556 (EI)
 40. Ying Chen, Xi Zhao *, Meng Qu, Zian Cheng, Xiaoping Pang, Qing Ji, Inter-comparisons among passive microwave sea ice concentration, 2020, 2020 XXIV ISPRS Congress, Volume XLIII-B3-2020 (EI)
 41. Songtao Ai*, Shansi Wang, Yuansheng Li, Leibao Liu. Multi-parameter adjustment for high-precision azimuthal intersection positioning, *MethodsX*, 2020, 7, 100968
 42. 李斐, 马超, 张胜凯*, 雷锦韬, 郝卫峰, 张卿川, 李文浩, 基于 GPS 测站垂向速度的南极地区冰川均衡调整(GIA)模型分析, *中国科学:地球科学*, 2020,50(03):353-368 (中文核心)
 43. 罗杰, 李斐*, 程青, 郝卫峰, 海冰反照率参数化和遥感反演方法及其产品的研究评述, *地球物理学进展*, 2020,35(02):445-460 (中文核心)
 44. 汪楚涯, 杨元德, 张建, 田彪, 丁明虎, 基于遥感数据的北极西北航道海冰变化以及通航情况研究, *极地研究*, 2020, 32 (2): 236-249 (中文核心)
 45. 叶玥, 程晓, 刘岩, 杨元德, 赵励耘, 林依静, 璩榆桐, 南极和格陵兰冰盖物质平衡研究进展, *极地研究*, 2020, 32 (4): 571-585 (中文核心)

46. 周春霞*, 付正, 墙强, 基于 CryoSat-2 SARIn 数据的南极 Grove 山地区 DEM 建立和分析, 测绘地理信息, 2020, 45(1): 1-7 (中文核心)
47. 张建, 杨元德, 杨全明, 汪楚涯, 基于 IceBridge 数据的南极别林斯高晋海的海冰厚度研究, 冰川冻土, 2020, 42 (8): 295-306 (中文核心)
48. 钱懿德, 周春霞, 陈一鸣, 曾韬, 刘建, 1947—2020 年西南极派恩岛冰川前缘变化特征分析, 极地研究, 2020, 32(04): 435-451 (中文核心)
49. 王诗云, 庞小平, 季青, 2000-2015 年北极夏季反照率变化及其与海冰密集度的关系, 测绘与空间地理信息, 2020, 34 (1) : 23-26
50. 张甘霖, 庞小平, 刘海燕, 中国城市市售水果蔬菜农药残留水平及其空间差异研究, 测绘与空间地理信息, 2020, 43 (3) : 160-164
51. 刘勇, 周春霞*, 郑雷, 王泽民, 多源数据融合的南极冰盖冻融数据集 (1999—2019), 全球变化数据学报, 2020, 4(4): 325-331