

毕顺

My current interest is to build an algorithm blending framework for estimating optical active constituents, such as Chlorophyll-a concentration, across Case I and II waters from remote sensing data. I am also interested in building Chla algorithms for specific water types (e.g., turbid Case II waters), column-integrated algal biomass for inland lakes, atmospheric correction, and data gap-filling for satellite imagery.

教育经历

2016
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至今

南京师范大学

博士 地理环境遥感

中国 南京

论文题目：基于软分类的湖泊柱总藻类生物量遥感估算研究
2018年申请硕博连读计划攻读博士学位，预期2021年9月毕业

2012
|
2016

江苏师范大学

学士 遥感科学与技术

中国 徐州

论文题目：基于综合气象干旱指数的青藏地区1980-2010年干旱时空变化分析

发表论文

2021

Assessment of algorithms for estimating chlorophyll-a concentration in inland waters: A round-robin scoring method based on the optically fuzzy clustering

IEEE Transactions on Geoscience and Remote Sensing, *Early Access*, **JCR2, TOP, IF5.855**

Bi S, Li Y, Liu G, Song K, Xu J, Dong X, Cai X, Mu M, Miao S, Lyu H

2019

Optical classification of inland waters based on an improved Fuzzy C-Means method

Optics Express, 27(24), 34838–34856, **JCR2, TOP, IF3.669**

Bi S, Li Y, Xu J, Liu G, Song K, Mu M, Lyu H, Miao S, Xu J

2019

Quantifying spatiotemporal dynamics of the column-integrated algal biomass in nonbloom conditions based on OLCI data: a case study of Lake Dianchi, China

IEEE Transactions on Geoscience and Remote Sensing, 57(10), 7447–7459, **JCR2, TOP, IF5.855**

Bi S, Li Y, Lyu H, Mu M, Xu J, Lei S, Miao S, Hong T, Zhou L



联系方式

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欢迎通过邮件或电话与我联系

技能

精通水色影像大气校正、叶绿素a浓度估算算法与水体光学分类

编程与软件：R, Python, IDL, MATLAB, SeaDAS, SNAP, Ubuntu, macOS.

本简历由R语言包制作而成

[在线阅读](#) | [PDF 下载](#)

更新日期：2021-02-25.

- 2018 ● **Inland water atmospheric correction based on turbidity classification using OLCI and SLSTR synergistic observations**
Remote Sensing, 10(7), 1002, JCR2, IF4.118
Bi S, Li Y, Wang Q, Lyu H, Liu G, Zheng Z, Du C, Mu M, Xu J, Lei S
- 2018 ● **基于OLCI数据的洱海叶绿素a浓度估算**
湖泊科学, 30(3), 701–712 (*in Chinese*), EI, IF1.445
毕顺, 李云梅, 吕恒, 朱利, 牟蒙, 雷少华, 徐杰, 温爽, 丁潇蕾
- 2020 ● **Tracking spatio-temporal dynamics of POC sources in eutrophic lakes by remote sensing**
Water Research, 168, 115162, JCR1, TOP, IF9.13
Xu J, Lei S, Bi S, Li Y, Lyu H, Xu J, Xu X, Mu M, Miao S, Zeng S & others
- 2020 ● **An OLCI-based algorithm for semi-empirically partitioning absorption coefficient and estimating chlorophyll a concentration in various turbid case-2 waters**
Remote Sensing of Environment, 239, 111648, JCR1, TOP, IF9.085
Liu G, Li L, Song K, Li Y, Lyu H, Wen Z, Fang C, Bi S, Sun X, Wang Z & others
- 2021 ● **Simultaneous inversion of concentrations of POC and its endmembers in lakes: A novel remote sensing strategy**
Science of the Total Environment, 770, 145249, JCR2, TOP, IF6.551
Xu J, Li Y, Lyu H, Lei S, Mu M, Bi S, Xu J, Xu X, Miao S, Li L, & others
- 2021 ● **Characteristics of the chromophoric dissolved organic matter of urban black-odor rivers using fluorescence and UV-visible spectroscopy**
Environmental Pollution, 268, 115763, JCR1, TOP, IF6.793
Miao S, Lyu H, Xu J, Bi S, Guo H, Mu M, Lei S, Zeng S, Liu H

程序包

- 2020 ● **FCMm: Water spectra fuzzy-clustering, algorithm assessment, and blending**
Version 0.10.3
Bi S, Li Y, Liu G
- 2020 ● **DAMATO: Data Management Toolbox**
Version 0.0.7
Bi S, Li Y, Cheng X
- 2020 ● **seadasr: Running seadas with R**
Version 0.0.1 (*private*)
Bi S, Liu G, Li Y
- 2019 ● **TSSIM: Time-Series-based Spatial Interpolation Method**
Version 0.0.2 (*private*)
Bi S, Li Y



AWARDS AND HONORS

- 2017 ● **the Third Prize of 2017 NNU Graduate Mathematical Modeling Competition**
Title: Research on Feature Selection and Classifier Algorithm in Intrusion Detection (*in Chinese*)
Bi S, Chen B, Ding X
- 2017 ● **the Second Prize of 2017 National Graduate Mathematical Modeling Competition**
Title: Foreground target extraction based on surveillance video (*in Chinese*)
Bi S, Chen B, Ding X
- 2018 ● **ESA-MOST China Dragon 4 Cooperation: BEST POSTER AWARD**
Title: Inland water atmospheric correction based on turbidity classification using OLCI and SLSTR synergistic observations
- 2018 ● **the Third Prize of the 6th Sharing Cup College Student Science and Technology Resources sharing service innovation competition**
Title: Evaluation of atmospheric correction methods for inland lakes based on Sentinel-3 OLCI data (*in Chinese*)
Bi S, Hong T, Zhou L
- 2019 ● **the First Prize of the 1st Hyerspectral Imagery Processing Competition - Orbit Cup**
Title: Evaluation of the application of ZH-1 data in remote sensing of water color in inland lakes (*in Chinese*)
Bi S, Hong T, Li L



GRANTS AND FELLOWSHIPS

- 2018 ● **Postgraduate Research & Practice Innovation Program of Jiangsu province, China**
Project title: Research on the three-dimensional spatiotemporal pattern of the total biomass of cyanobacteria in Taihu Lake based on remote sensing technology (*in Chinese*)
- 2020 ● **China National Scholarship**
Funded by Ministry of Education of the People's Republic of China
- 2019 ● **Scholarship of Saiteng Fenghui**
Funded by Suzhou Secote Precision Electronic Co., Ltd.
- 2017 | 2020 ● **the First Prize Scholarship**
Funded by Nanjing Normal University
- 2016 ● **the Second Prize Scholarship**
Funded by Nanjing Normal University

CONFERENCES AND PRESENTATIONS

- 2020 ● **ALGAL GAME**
📍 Nanjing, China
- 2020 ● **National Forum for Doctoral Students in Geographic Information Science**
📍 Online
- 2020 ● **the 2nd Wetland Remote Sensing Conference in China**
📍 Online
- 2019 ● **the 19th Water Color Remote Sensing Conference in China**
📍 Sanya, China
- 2019 ● **the 1st Wetland Remote Sensing Conference in China**
📍 Changchung, China
- 2018 ● **the 18th Water Color Remote Sensing Conference in China**
📍 Zhanjiang, China
- 2018 ● **National Forum for Doctoral Students in Geographic Information Science**
📍 Nanjing, China
- 2018 ● **ESA-MOST DRAGON 4 PROGRAMME - Advanced Training Course in Ocean & Coastal Remote Sensing**
📍 Shenzhen, China
- 2018 ● **Jiangsu University Geography Postgradutae Forum**
📍 Nanjing, China
- 2017 ● **the 1st China Plateau Lake Forum**
📍 Kunming, China
- 2017 ● **the 5th Graduate Forum of Jiangsu Society of Oceanology and Lomnology**
📍 Nanjing, China
- 2017 ● **Jiangsu University Geography Postgradutae Forum**
📍 Nanjing, China

References

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