SHUN BI 毕顺

Currently searching for a PD position

My current interest is to build an algorithm blending framework for estimating optical active constitutes, 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.

EDUCATION

2012 Jiangsu Normal University

2016

2018

2018

Now

2018

2018

2019

B.S. in Remote Sensing Science and Technology

Xuzhou, China

Thesis: Analysis of Spatiotemporal Characteristics of Drought in Qinghai-Tibet Region Based on Meteorological Drought Composite Index

2016 • Nanjing Normal University

M.S. in Remote Sensing of Environment

Nanjing, China

Qualified for the Successive Master-Doctor Program in 2018

Nanjing Normal University
 Ph.D in Remote Sensing of Environment

Nanjing, China

Thesis: Remote Sensing of Column-integrated Algal Biomass for Inland Waters Based on Soft Classification (expected to receive the degree in June 2019)

■ SELECTED PUBLICATIONS

 Estimation of chlorophyll-a concentration in Lake Erhai based on OLCI data *

Journal Lake Science, 30(3), 701–712 (in Chinese) Bi S, Li Y, Lu H, Zhu L, Mu M, Lei S, Wen S, Ding X

 Inland water atmospheric correction based on turbidity classification using OLCI and SLSTR synergistic observations *

Remote Sensing, 10(7), 1002

 $\textbf{Bi S}, \, \text{Li Y}, \, \text{Wang Q}, \, \text{Lyu H}, \, \text{Liu G}, \, \text{Zheng Z}, \, \text{Du C}, \, \text{Mu M}, \, \text{Xu J}, \, \text{Lei S}$

 Quantifying spatiotemporal dynamics of the columnintegrated 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.

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



Contact Info

- **■** bishun1994@foxmail.com
- **J** +86 156-5190-9539
- github.com/bishun945
- Shun Bi
- **y** bishun945

For more information, please contact me via email.

Skills

Experienced in atmospheric correction, Chla algorithm and optical water clustering.

Full experience in remote sensing image processing.

R, Python, IDL, MATLAB, SeaDAS, SNAP, Ubuntu, macOS.

Languages

Mandarin (native), English (written and oral)

This resume was made with the R package **pagedown**.

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Last updated on 2021-02-19.

2019	 Optical classification of inla Fuzzy C-Means method * Optics Express, 27(24), 34838– Bi S, Li Y, Xu J, Liu G, Song K, Me 	
2021	 Assessment of algorithms f concentration in inland water method based on the optical IEEE Transactions on Geoscien Bi S, Li Y, Liu G, Song K, Xu J, Do 	ers: A round-robin scoring ally fuzzy clustering
2020	 Tracking spatio-temporal dy eutrophic lakes by remote s Water Research, 168, 115162 Xu J, Lei S, Bi S, Li Y, Lyu H, Xu S 	
2020	absorption coefficient and e concentration in various tur Remote Sensing of Environmen	bid case-2 waters *
2021	endmembers in lakes: A not Science of the Total Environment	concentrations of POC and its vel remote sensing strategy * nt, 770, 145249 S, Xu J, Xu X, Miao S, Li L, & others
2021	 Characteristics of the chron matter of urban black-odor of UV-visible spectroscopy * Environmental Pollution, 268, 1° Miao S, Lyu H, Xu J, Bi S, Guo H, 	rivers using fluorescence and
	R PACKAGES	
2020	 FCMm: Water spectra fuzzy assessment, and blending * Version 0.10.3 Bi S, Li Y, Liu G 	U . U
2020	DAMATO: Data Managemen Version 0.0.7 Bi S, Li Y, Cheng X	t Toolbox *
2020	 seadasr: Running seadas w Version 0.0.1 (private) Bi S, Liu G, Li Y 	ith R *

TSSIM: Time-Series-based Spatial Interpolation Method * 2019 Version 0.0.2 (private) Bi S. Li Y AWARDS AND HONORS the Third Prize of 2017 NNU Graduate Mathematical 2017 **Modeling Competition** Title: Research on Feature Selection and Classifier Algorithm in Intrusion Detection (in Chinese) Bi S, Chen B, Ding X the Second Prize of 2017 National Graduate Mathematical 2017 **Modeling Competition** Title: Foreground target extraction based on surveillance video (in Chinese) Bi S, Chen B, Ding X **ESA-MOST China Dragon 4 Cooperation: BEST POSTER** 2018 **AWARD** Title: Inland water atmospheric correction based on turbidity classification using OLCI and SLSTR synergistic observations the Third Prize of the 6th Sharing Cup College Student 2018 Science and Technology Resources sharing serveice 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 the First Prize of the 1st Hyerspectral Imagery Processing 2019 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 Postgraduate Research & Practice Innovation Program of 2018 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) the Second Prize Scholarship 2016 Funded by Nanjing Normal University the First Prize Scholarship 2017 Funded by Nanjing Normal University 2020

Scholarship of Saiteng Fenghui

Funded by Suzhou Secote Precision Electronic Co., Ltd.

2019

2020	•	China National Scholarship Funded by Ministry of Education of the People's Republic of China
		CONFERENCES
2017	•	Jiangsu University Geography Postgradutae Forum ♥ Nanjing, China
2017	•	the 5th Graduate Forum of Jiangsu Society of Oceanology and Lomnology
		♀ Nanjing, China
2017	•	the 1st China Plateau Lake Forum
		♥ Kunming, China
2018		Jiangsu University Geography Postgradutae Forum ▼ Nanjing, China
2018		ESA-MOST DRAGON 4 PROGRAMME - Advanced Training Course in Ocean & Coastal Remote Sensing
		♥ Shenzhen, China
2018		National Forum for Doctoral Students in Geographic Information Science
		♀ Nanjing, China
2018		the 18th Water Color Remote Sensing Conference in China
2019	•	the 1st Wetland Remote Sensing Conference in China ♥ Changchung, China
2019	•	the 19th Water Color Remote Sensing Conference in China ♥ Sanya, China
2020		the 2nd Wetland Remote Sensing Conference in China ♥ Online
2020	•	National Forum for Doctoral Students in Geographic Information Science
		♀ Online

References

Yunmei Li, Ph.D., Professor

School of Geography

Nanjing Normal University, Nanjing, China

liyunmei@njnu.edu.cn