

Chunhui Li

Basic Information:



Name: Chunhui Li

Title: Lecturer

Highest degree: Doctor

Major: Physical oceanography

Work unit: College of Marine Science

Graduate School: Hohai University

Research direction: Coastal and estuarine dynamics; offshore material transport

Mail box: lichunhui@nuist.edu.cn

Main research fields: Marine dynamics, material transport

Education background:

Sep. 2006 -- Jun. 2010, Hohai University, marine technology, bachelor's degree

Sep. 2010 - Sep. 2012, Hohai University, physics oceanography, master's degree

Sep. 2012-Jun. 2016, Hohai University, physics oceanography, major doctor

Work experience:

Jan. 2017 – present, lecturer, College of Marine Science, Nanjing University of Information Science & Technology, P.R. China

Recent major publications:

1. Chunhui Li, Xiaoyan Fu, Qianlu Xiao, Xishan Pan, and Hongsheng Cao. Vertical Distribution of Sediment Concentration in Offshore Waters [J]. *Journal of Coastal Research*. 2018, SI (83), 167–171.
2. Shi Haiyun, Cao Yuhan, Dong Changming, Xia Changshui, Li Chunhui. The Spatio-Temporal Evolution of River Island Based on Landsat Satellite Imagery, Hydrodynamic Numerical Simulation and Observed Data[J]. *Remote Sensing*, 2018, 10(12).
3. Li Chunhui, Pan Xishan, Ke Jie, Dong Xiaotian. Comparison of 2D and 3D models of salinity numerical simulation [J]. *Polish Maritime Research*. 2015, Vol. 22, S1(86), 26-29.
4. Li Chunhui, Fu Xiaoyan, Li Ruijie, Dai Lu, Chen Peng. Vertical distribution of nearshore flow velocity[J]. *Polish Maritime Research*. 2016, Vol. 23, S1(91), 104-108.
5. XIAO Qianlu, LI Chunhui, FU Xiaoyan, WANG Meiju. Extended elliptic mild slope equation incorporating the nonlinear shoaling effect[J]. *Polish Maritime Research*. 2016, Vol. 23, S1(91), 44- 51.
6. Xiaotian Dong, Ruijie Li, Chunhui Li* and Xufeng Zhang. Analysis on pollutant accidental discharge in Zhoushan Islands, China[J]. *Journal of Environmental Biology*. 2016, Vol37, 1201-1207.
7. Cao, H.; Pan, X.; Wang, Y.; Li, C., and Zhang, Y.. A General Sediment Carrying Capacity Formula and Its Analysis[J]. *Journal of Coastal Research*, 2018, SI (83): 791–795.
8. Cao, H.; Pan, X.; Wang, Y.; Li, C., and Zhang, Y.. A General Sediment Carrying Capacity Formula and Its Analysis[J]. *Journal of Coastal Research*, 2018, SI (83): 791–795.
9. Cao Hongsheng, Pan Xishan, Li Chunhui. The application of WRF model in the Wave Numerical forecast [J]. *Advanced Materials Research*, 2012, 1889-1893.
10. Xishan Pan, Ruijie Li, Yang Li, Chunhui Li, Weiyi Zhang. Wind-Wave Numerical Prediction Model in East China Sea[J]. *Advanced Materials Research*, 2012, Vols. 542-543, 1366-1370.
11. LI Chun-hui, LI Rui-jie, XIAO Qian-lu, et al. 3D numerical simulation of strong brine discharging into archipelagic channel[J]. *Journal of Marine Sciences*, 2016, 34(4): 39-45. [In Chinese]
12. HAN Xue, SHENG Jian-ming, PAN Xi-shan, LIU Shi-chao, LI Chun-hui. Study on the refined storm surge numerical model in the Southern Yellow Sea[J]. *Marine Forecasts*, 2019, 36(01): 52-58. [In Chinese]

13. Xishan Pan, Chunhui Li, Xue Han, Hao Zhou, Jiantong Cai. Design and Implementation of Basic Information Database of Radiated Sand Ridge Group in South Yellow Sea [J]. Marine Information, 2019, 34(01): 33-38. [In Chinese]
14. PAN Xishan, HAN Xue, CHEN Feiyu, SHI Min, LI Chunhui, LIU Ming. Numerical Simulation of Typhoon Waves Based on the Tropical Storm ‘Sanba’ [J]. Journal of Huaihai Institute of Technology (Natural Science Edition), 2018, 27(03): 82-87. [In Chinese]
15. CAO Hongsheng, PAN Xishan, ZHU Wenjin, WANG Zhenxiang, LI Chunhui. Nonlinear Wave Mathematical Model and Its Application in Permeable Breakwater Harbor [J]. Journal of Huaihai Institute of Technology (Natural Science Edition), 2018, 27(02):81-85. [In Chinese]
16. HU Siyou, LI Chunhui, PAN Xishan, WANG Yang. Characteristics of Tide and Tidal Current in Sea Area near Huangjiao Work Zone [J]. Journal of China Hydrology, 2014, Vol. 34(4): 61-67. [In Chinese]
17. KE Jie, TAO Aifeng, LI Ruijie, LI Chunhui, DONG Xiaotian. Analysis and application of computational methods of coastal near-bed sediment flux [J]. Yangtze River, 2015, Vol.46(1):78-82. [In Chinese]
18. KE Jie, TAO Aifeng, CAI Xiaojie, LI Chunhui, FAN Congjian. Vertical Distribution of Suspended Sediment Based on Turbulent Mixing Theory[J]. Yellow River, 2015, 37(4),43-45. [In Chinese]
19. FAN Cong-jian, LI Rui-jie, DAI Lu, LI Chun-hui, LIANG Lian-song. Effects of tidal flat reclamation on wave’s field in Jiangsu coast[J]. Port & Waterway Engineering, 2015, 12:16-22. [In Chinese]
20. CHEN Peng, LI Rui-jie, DONG Xiao-tian, LI Chun-hui, XIAO Qian-lu, WANG Shao-peng. Influence of reclamation project on hydrodynamic and sediment environment of Lianyungang sea area[J]. Port & Waterway Engineering, 2016.3: 29-34+56. [In Chinese]

Recent research projects:

1. The stability of tidal bottom boundary layer and its induced secondary circulation in Jiangsu coastal area. Jiangsu Natural Science Foundation, Youth Foundation Project, 2018/07- 2021/06, hosted.

2. Research and development of parameterization scheme for key physical processes of high resolution ocean model. The National Key Research and Development Program of China, 2017/07-2022/06, participated.
3. Coastal water and sand interface flux research. The National Natural Science Foundation of China's General Project, 2013/01-2016/12, has been completed and participated.
4. Jiangsu key technology research and application demonstration of reclamation - Topic 2: Reclamation model research of reclamation. The Special Scientific Research Project of Marine Public Welfare Industry, 2012/07-2016/06, has been completed and participated.