

Table of Contents

Chapter 1: Ships and Marine Engineering

Steady State Analysis and Optimization for Autonomous Underwater Vehicle.....	3
<i>Peng Liu, YongHong Liu, BaoPing Cai, ZhenWei Niu and XiaoXuan Wei</i>	
Calculation on the Uprighting Process of a damaged-capsized ship.....	10
<i>Pan Dewei, Sun Yuqiang, Kong Fanyi, Sun Yuhao and Ma Jianwen</i>	
Influence of Large-scaled Reclamation on the Cold Wave in Coastal Area of Jiangsu Province.....	17
<i>Hongsheng Cao, Xishan Pan, Chunhui Li, Yan Wang and Shaopeng Wang</i>	
Numerical Simulation of the Influence of Large-scale Structures on Wave Force of Adjacent Small-scale Bars in Composite Structures.....	25
<i>Zhenglin Li</i>	
Assessment of coastal vulnerability to sea level rise: a case study of Prachuap Khiri Khan, Thailand.....	32
<i>Pattrakorn Nidhinarangkoon and Sompratana Ritphring</i>	
Automatic Geometric Correction of Complex Sea Condition Remote Sensing Image Based on Decision Tree Classification.....	39
<i>Li Hua, Haigang Sui, Wei Ding and Hongbo Fu</i>	
Numerical Study of the Kinematic Motions of a Solitary Wave Hitting an Inclined Plate.....	46
<i>CH Chang</i>	

Chapter 2: Marine Management and Port Engineering

Prediction of quantitative risk assessment and risk level criteria based on the data from oil tanker collision simulation at Kyauk Phyu Deep Sea Port, Myanmar.....	57
<i>Soe Nyi Nyi Toe, W Q Wu and Y Chen</i>	
Enhancement of Biological Nutrient Removal in an Alternating Anaerobic-Aerobic Sequencing Batch Reactor: Optimization of Anaerobic and Aerobic Hydraulic Retention Times.....	65
<i>J W Pang, S S Yang, X Y Yang, Z Y Wu and N Q Ren</i>	

Evaluation of Tsunami Scouring on Subsea Pipelines.....	73
<i>R. Komata</i>	
Thinking from a sea bauxite accident.....	87
<i>Qi Liu, Baijun Tian, Xintong Qiu and Lixia Zhang</i>	
Research on integrated power generation control system based on wind, rainwater and energy store battery.....	92
<i>Zhongjia Hao, Longying He, Lumin Shen, Jie Zhong and Pengpeng Chen</i>	
Wave parameters influence on breakwater stability.....	100
<i>Al I Diwedat, F S Abdelhaleem and A M Ali</i>	
Experimental Study on Wave Interaction with Multiple Row Pile Breakwater.....	110
<i>S Sultana and A Rahman</i>	
Author Index.....	119