## JOURNAL OF MARINE SCIENCE AND TECHNOLOGY

October, 2018

Vol. 26, No. 5

## **CONTENTS**

## Section A: Marine Engineering, Maritime, and Marine Affair (Management, Tourism)

An Experimental and Numerical Study of a High	Speed Planing Craft with Full-Scale Validation	
	Ahmet Gultekin Avci and Baris Barlas	617
Flow Characteristics and Velocity Fields of Swirl	ing Double-Concentric Jets at High Central Jet Reynolds Numbers	
	Minh Duc Le, Ching Min Hsu, and Rong Fung Huang	629
The Trefftz Test Functions Method for Solving th	e Generalized Inverse Boundary Value Problems of Laplace Equation	
	Chein-Shan Liu, Yung-Wei Chen, and Jiang-Ren Chang	638
Robust Control of Discrete-Time Uncertain Stock	nastic Systems Subject to Mixed H <sub>2</sub> /Passivity Performance	
	Cheung-Chieh Ku, Rui-Wen Chen, Guan-Wei Chen, and Wen-Jer Chang	648
Analysis of Fuel Cell Applied for Submarine Air	Independent Propulsion (AIP) System Jen-Chieh Lee and Tony Shay	657
A Novel Damaged Ship Righting Plan Optimizati	on Method Based on Artificial Bee Colony Algorithm	
	Kai Li, Zhijiang Yuan, and Xiaogang Jiang	667
Performance Analysis of an Active Heave Compen	nsation System on an Offshore Supply Vessel Using the Hardware-in-the-Loop	
Simulation	Luman Zhao, Myung-Il Roh, and Seung-Ho Ham	678
Periodical Characteristics of Shipbuilding Market	Activity: A Wavelet Analysis	
	Li Song, Jihong Chen, Kevin X. Li, Xiang Liu, Yijie Fei, and Hang Yu	692
Sound and Vibration Analysis of a Marine Diesel	Engine via Reverse Engineering	
	Jinsiang Shaw, Yun-Hong Wang, and Cherng-Yuan Lin	703
Qualitative Survey of a Coastal Region from a Po	larimetric Analysis of Synthetic Aperture Radar Images	
	Hsiu-Wen Wang and Hsuan Ren	712
Changing Flow Capacity in the Upper Yellow Riv	ver by Using a Standardized Dike	
		721
Numerical Simulation and Experimental Validation	of the Vibration Suppression Control by Using Input Shaping Technique with	
Extended Kalman Filter	Yi-Cheng Huang, Yen-Lin Lee, and Ming-You Ma	731
Section B: Oceanography, Marine Biolog	y, Marine Biotechnology, Fisheries Science, and Marine Ecology	
The Effects of Different Dietary Protein Sources on the	he Growth Performances and Body Composition of the Rock Porgy, Oplegnathus	
Fasciatus	I-Hao Huang, Jen-Hong Chu, Angela Chien, and Shyn-Shin Sheen	743