CONTENTS

Articles
1…………… Spring mesoscale high in the western South China Sea
        HE Zhigang, ZHANG Yun, WANG Dongzuo

6…………… Air-sea interactions associated with tropospheric biennial oscillation in South China Sea summer monsoon and
        their effects on El Niño-Southern Oscillation
        ZHENG Bin, LU Peng, WEI Hongsheng

13………… The partial pressure of carbon dioxide and air-sea fluxes in the Changjiang River Estuary and adjacent Hangzhou Bay
        YU Peisong, ZHANG Haisheng, ZHENG Minxi, PAN Jiaming, BAI Yan

18………… Determination of cosmogenic $^{36}$P and $^{33}$P in environmental samples
        CHEN Min, YANG Zhi, ZHANG Lei, QIU Yusheng, MA Qiang, HUANG Yipu

26………… Chemical properties of colored dissolved organic matter in the sea-surface microlayer and subsurface water of
        Jiaozhou Bay, China in autumn and winter
        ZHANG Jing, YANG Guiping

40………… Differentiation of coral trout (Plectropomus leopardus) based on an analysis of morphology and complete
        mitochondrial DNA: Are cryptic species present?
        CAI Xiaopeng, QU Meng, DING Shaxiang, WANG Hangjun, WANG Hongjie, HU Luyi, SU Yongquan

47………… Enhancement of the benthic communities around an isolated island in the Antarctic Ocean
        José I Saiz, Nuría Anadón, Javier Cristobo, Oscar García-Alvarez, Gerardo García-Castrillón, Eduardo López,
        Cruz Falach, Jesús S Troncoso, Ana Ramos

56………… Factors regulating population dynamics of the amphipod Amphiocerca valida in a eutrophic subtropical coastal lagoon
        ZHENG Xingqin, HUANG Lingfeng, HUANG Bangjin, LIN Yongqing

66………… Phylogenetic diversity of planktonic bacteria in the Chukchi Borderland region in summer
        ZENG Yinxin, YU Yong, LI Huirong, HE Jianfeng, LEE Sang H, SUN Kun

75………… Molecular diversity of Thermococcales isolated from Guaymas Basin hydrothermal vents
        LIU Luopeng, WANG Fengping, XU Jun, XIAO Xiang

82………… Influences of external nutrient conditions on the transcript levels of a nitrate transporter gene in Skeletonema
        costatum
        LIU Yun, SONG Xinxian, HAN Xiaotian, YU Zhiming