

Advances in Polar Science

Contents

Vol.25 No.3 September 2014

Articles

- Mirror seeing of the Antarctic survey telescope 133
ZHANG Kaiyuan, LI Zhengyang, YUAN Xiangyan & PEI Chong
- From mandatory icebreaker guiding to a permission regime: changes to the new Russian legislation of the Northern Sea Route 138
ZHANG Xia, ZOU Leilei, TU Jingfang, QIAN Zongqi, WANG Zeming & YANG Huigen
- The composition and origination of particles from surface water in the Chukchi Sea, Arctic Ocean 147
YU Xiaoguo, LEI Jijiang, YAO Xuying, ZHU Jihao & JIN Xiaobing
- The distribution and characteristics of suspended particulate matter in the Chukchi Sea 155
WANG Weiguo, FANG Jianyong, CHEN Lili, WU Risheng & YU Xingguang
- Distributions of surface sediments surrounding the Antarctic Peninsula and its environmental significance ... 164
WANG Chunjuan, CHEN Zhihua, LI Chunshun, DU Dewen, YAN Shijuan & ZHU Zhiwei
- Source and spatial distributions of particulate organic carbon and its isotope in surface waters of Prydz Bay, Antarctica, during summer 175
YIN Xijie, LI Yunhai, QIAO Lei, WANG Aijun, XU Yonghang & CHEN Jian
- Population distribution, structure and growth condition of Antarctic krill (*Euphausia superba* Dana) during the austral summer in the Southern Ocean 183
SHI Yongqiang, SUN Song, LI Chaolun & TAO Zhencheng
- Mineralogical study of surface sediments in the western Arctic Ocean and their implications for material sources 192
DONG Linsen, SHI Xuefa, LIU Yanguang, FANG Xisheng, CHEN Zhihua, WANG Chunjuan, ZOU Jianjun & HUANG Yuanhui

Trend

- Challenges of deep-sea biodiversity assessments in the Southern Ocean 204
Angelika Brandt, Huw Griffiths, Julian Gutt, Katrin Linse, Stefano Schiaparelli, Tosca Ballerini, Bruno Danis & Olaf Pfannkuche