

Advances in Polar Science

Contents

Vol. 31 No. 4 December 2020

Opinion Editorial

- Evaluation of the Polar Code in different environments and for different maritime activities in the two polar regions 237
Meriç KARAHALIL & Burcu OZSOY

Review

- Nitrous oxide research progress in polar and sub-polar oceans 241
ZHAN Liyang, ZHANG Jiexia, LI Yuhong & WU Man

Articles

- Approximating home ranges of humpback and fin whales in Drake Passage and Antarctica 248
José Luis ORGEIRA & Facundo ALVAREZ
- Installing a prototype wind turbine to produce energy in Antarctica to allow a permanent Colombian scientific base to be established 258
Cesar Jimenez LOZANO
- Air pollutants and greenhouse gases emission inventory for power plants in the Antarctic 274
Sergey KAKAREKA

Letters

- Are Antarctic Specially Protected Areas safe from plastic pollution? a survey of plastic litter at Byers Peninsula, Livingston Island, Antarctica 284
Pablo ALMELA & Sergi GONZALEZ
- Large spread across AeroCom Phase II models in simulating black carbon in melting snow over Arctic sea ice 291
PAN Shifeng & DUAN Mingkeng

Cover picture: Caudal fin of a humpback whale south of the South Orkney Islands, Antarctica (paper by J L Orgeira et al., page 248)