

## CONTENTS

### Article

#### Earth and Space Sciences

Re-visiting barium isotope compositions of mid-ocean ridge basalts and the implications

.....*Xiaoyun Nan, Huimin Yu, Jinting Kang, et al.* (1)

Phytolith analysis of Naminan archaeological site in Jinghong City, Yunnan Province

.....*Jixiao Zhang, Weiming Wang, Feng Gao* (2)

#### Physics

High-sensitivity double-quantum magnetometry in diamond via quantum control

.....*Yang Dong, Haobin Lin, Wei Zhu, et al.* (3)

#### Mathematics

Almost balanced and uncorrelated quaternary sequence pairs of even length

.....*Yi Ouyang, Sen Wang, Xianhong Xie* (4)

Sparse assortment personalization in high dimensions

.....*Jingyu Shao, Ruipeng Dong, Zemin Zheng* (5)

Inequalities of warped product submanifolds in a Riemannian manifold of quasi-constant curvature

.....*Jiahui Wang, Lijuan Cheng, Yecheng Zhu* (6)

#### Information Science and Technology

A data-driven model for social media fake news detection

.....*Xin Chen, Shancheng Fang, Zhendong Mao, et al.* (7)

#### Safety Science and Engineering

Alginate-sepiolite-ammonium polyphosphate ternary hybrid gels for firefighting in grain and cotton reserves

.....*Chenyu Wang, Hu Shi, Xin Wang, et al.* (8)

