

# JUSTC

Volume 53, Issue 5, May 2023

---

## CONTENTS

### ARTICLE

#### Earth and Space Sciences

Observation of MLT region winds and tides by the USTC Mengcheng meteor radar

..... *Wen Yi, Xianghui Xue, Jie Zeng, et al.* (0501)

Chromium isotope fractionation during adsorption of chromium(III) by soils and river sediments

..... *Ziyao Fang, Xiaoqing He, Xi Yu, et al.* (0502)

Diagenetic effects on strontium isotope ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) and elemental (Sr, Mn, and Fe) signatures of Late Ordovician carbonates

..... *Dongping Hu, Dandan Li, Lian Zhou, et al.* (0503)

#### Mathematical Sciences

Harnack inequality for polyharmonic equations

..... *Jiamin Zeng, Runjie Zheng, Yi Fang* (0504)

New criteria of supersolubility of finite groups

..... *Xueli Yang, Chenchen Cao, Chi Zhang* (0505)

#### Management Science and Engineering

Research on the influence of social relations on social enterprise performance: The mediating role of business model innovation

..... *Jianlin Wu, Wenhao Cai* (0506)

E-commerce cart recommendation effects: A field experiment on entertainment products

..... *Yongjun Li, Yunjuan Zhang, Hanbing Xue* (0507)

