

Academic Staff Resume

Name: Liang YIN

Title: Postdoctor

Dept. SKLplanet

Office : C208b

Tel. : (853) 65636184

E-mail : lyin@must.edu.mo



Academic Qualification:

Ph.D. in School of Engineering Sciences, University of Chinese Academy of Sciences, 2018

Bachelor in School of Power and Mechanical Engineering, Wuhan University, 2011

Teaching Area

Research Area

Planetary dynamo

Computational fluid dynamics

High-performance scientific computing

Working Experience

2018.10--to date, postdoctor researcher, Macau University of Science and Technology,
SKLplanet

2018.07--2018.09, Academic visitor, Shanghai Astronomical Observatory, Chinese Academy of
Sciences

Research Projects

Professional Certification and Awards

Professional Society Membership

Academic Publication

Journal Articles:

Liang Yin, Chao Yang, Shi-Zhuang Ma, Ji-Zu Huang, Ying Cai. Parallel numerical simulation of the thermal convection in the Earth's outer core on the cubedsphere[J]. *Geophysical Journal International*, 2017, 209(3):1934–1954.

Liang Yin, Chao Yang, Shi-Zhuang Ma. Parallel Numerical Simulations of Thermal Convection in the Earth's Outer Core Based on Domain Decomposition and Multigrid[J]. *Chinese Journal of Computational Physics*, 2019, 36(1): 1--14.

Liang Yin, Chao Yang, Shi-Zhuang Ma, Ke-Ke Zhang. Parallel and fully implicit simulations of the thermal convection in the Earth's outer core[J]. *Computers and Fluids*, 2019, 193: 104278.

Books & Book Chapters:

Conference Papers: