Research Field: GEOPHYSICS
Focused Field: LUNAR REMANENT MAGNETIZATION

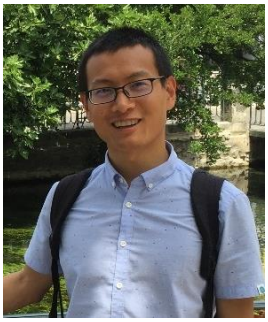
SHORT BIO

I am now a post-doctor at Macau University of Science and Technology. I received my PhD at Tongji University 2018.

My research is about geophysics modelling of rock electrical properties, especially the dependance of complex conductivity on rock structure, clay and metallic minerals. I also interested in the remanent magnetization on the moon. I focus on the numerical simulation of impact events and their influences on lunar magnetic field and rock magnetization.

Postdoc

Hongtao Wang



PhD: GEOPHYSICS
Tongji University
Master:GEOPHYSICS
Tongji University
Bachelor Degree: EXPLORATION TECHNOLOGY and ENGINEERING
Yangtze University

KEY PUBLICATIONS (*first author*)

Wang H., Revil A. *, 2020. Surface conduction model for fractal porous media. Geophysical Research Letters, 47, e2020GL087553.

Wang H, Liu T. *, 2017. Derivation of Archie's law based on a fractal pore volume. Geophysical Journal International 209 (3): 1403-1407.

Wang H, Liu T. *, Tang T., Shi Y., 2017. A unified model to evaluate shaliness in compacted and soft formations using downhole GR log, Journal of Petroleum Science and Engineering, 156, 877-883.

Wang H.*, Rui Zhao. 2016. Pure Matrix GR, an Indicator of Rock Matrix Gamma Radioactivity and its Applications. Petrophysics 57: 390–396.

PROFESSIONAL EXPERIENCE

08/2022—Present	Post-doctoral, State Key Laboratory of Lunar and Planetary Sciences, Macau University of Science and Technology (MUST), Macau, China
11/2018 — 11/2019	Visiting scholar – CNRS-Université Savoie Mont Blanc, France
06/2018 — 07/2022	Assistant Professor, College of Geophysics, Chengdu University of Technology

GRANTS

[1] Open Fund of State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation (Chengdu University of Technology). Study on the electrical conducting features of different components in tight sandstone. Grant No. : PLC20190406, 01/2019-12/2020, **PI**

[2] Youth Fund Project of China National Natural Science Foundation, The study of electrical conduction pattern in rock pore and interface based on fractal and Pade approximation. Grant No. : 42204137, 01/2023-12/2025, **PI**

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