

导师简介

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职称	初聘副教授	民族	汉族	籍贯	河南鹤壁	
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学术头衔/兼职	<i>Rock Mechanics Bulletin</i> 、 <i>Energy Geoscience</i> 、 <i>Geostorage</i> 等期刊青年编委； <i>J. Rock Mech. Geotech. Eng.</i> 、 <i>Comput. Geotech.</i> 、 <i>Pet. Sci.</i> 等中科院一区期刊审稿人					
研究方向	1. 非常规能源开发 2. 岩石力学多场耦合计算 3. 地下工程围岩稳定性计算					
主要学习和科研工作经历	学习经历： 2014.09~2018.06 中国地质大学（武汉），土木工程（岩土），学士 2018.09~2021.06 中国地质大学（武汉），地质工程，硕士 2021.09~2025.06 武汉大学，水利工程，博士 2023.10~2024.10 日本京都大学，岩土工程，CSC联合培养博士 工作经历： 2025.09~至今 郑州大学，水利与交通学院，初聘副教授					
代表性科研成果	代表性论文： 1. Wang Suifeng , David Potyondy, Chu Weijiang, et al. Investigation of Meso-Mechanical Properties of Jinping Dolomitic Marble Based on Flat-Joint Model. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> . 2025,17(6): 3464-3478.(SCI, 中科院一区TOP, IF:10.2) 2. Wang Suifeng , Derek Elsworth, Zhang Liping, et al. Hydro-Grain-Texture Modeling of Systematics of Propagation, Branching and Coalescence of Fluid-Driven Fractures. <i>Rock Mechanics and Rock Engineering</i> . 2025,58(1):623-644. (SCI, 中科院一区TOP, IF:6.6) 3. Wang Suifeng , Derek Elsworth, Tan Fei, et al. Hydro-Mechanical-Damage Modelling of Hydraulic Fracturing Processes in Granite with Single and Double Pre-existing Flaws. <i>Computers and Geotechnics</i> . 2026,194:108041. (SCI, 中科院一区TOP, IF:6.2) 4. Wang Suifeng , Wang Tao, Derek Elsworth, et al. Mineral Grain-Texture Model and Impact on Microcracking and Mechanical Response of Granite. <i>Computers and Geotechnics</i> . 2025,184:107286. (SCI, 中科院一区TOP,					

IF:6.2)

5. Chen Taiyi, Michio Sanjou, Tetsuya Hiraishi, Guangli Xu, Huaxin Cui, **Wang Suifeng***. Physical Origins of Shear Strength Fluctuations in Fault Gouges. *Rock Mechanics and Rock Engineering*. 2025,58(12):13041-13070. (通讯作者, SCI, 中科院一区TOP, IF:6.6)

6. 王穗丰, 赵先宇, 张利平, 崔臻, 王涛. 基于晶粒织构模型的花岗岩矿物晶粒形状及朝向对其力学特性影响研究. *岩石力学与工程学报*. 2023,42(10):2515-2527. (EI, 中文领军期刊)

7. **Wang Suifeng**, Han Yanhui, Hu Wanrui, et al. Modeling Interactions Between Hydraulic Fracture and Pre-existing Microcracks in Crystalline Rocks Using Hydro-Grain-Texture Model. *Geoenergy Science and Engineering*. 2025,244:213459. (SCI, 中科院二区TOP, IF:4.6)

8. **Wang Suifeng**, Hideaki Yasuhara, Zhuang Li, et al. A Novel Hydro-Grain-Texture Model to Unveil the Impact of Mineral Grain Anisotropy on Fluid-Driven Cracking Processes in Crystalline Rock. *International Journal for Numerical and Analytical Methods in Geomechanics*. 2025,49(2):555-574. (SCI, 中科院二区, IF:3.6)

9. **Wang Suifeng**, Zhang Liping, Lei Ming, et al. Investigation of Deformation Failure Mechanism and Stability of The Guobu Reservoir Slope at Laxiwa Hydropower Station. *Bulletin of Engineering Geology and the Environment*. 2024,83(10):1-16. (SCI, 中科院二区, IF:4.2)

10. Li Sheng, **Wang Suifeng***, Zhou Hongchang, et al. Fracture Mechanism of Rock-Like Materials Containing Wave-Shaped Crack Under Direct Shear Condition Based on XFEM. *Engineering Analysis with Boundary Elements*. 2025,181:106541. (通讯作者, SCI, 中科院二区, IF:4.1)

11. **Wang Suifeng**, Wang Tao, Li Sheng, et al. Simultaneous Propagation of Multiple Hydraulic Fractures in Crystalline Rock: A Numerical Investigation Based on DEM. *Rock Mechanics Bulletin*. 2026,5:100277. (ESCI, IF:7.0)

项目:

阿玛利亚水电站渗流场及稳定应力变形三维有限元计算 参与

辽宁朝阳抽水蓄能电站地下厂房洞室群围岩稳定分析 参与

广西来宾抽水蓄能电站输水系统尾水岔管三维有限元计算 参与