中国石油大学（北京）引进师资博士后登记表

**人员类别：调入人员**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **姓名** | | 郭懿德 | | **性别** | | 男 | | **出生年月** | 1995年07月 | | |  |
| **民族** | | 汉族 | | **籍贯** | | 河南周口 | | **政治面貌** | 中共党员 | | |
| **学历学位** | | 研究生/博士 | | **参加工作时间** | | 无 | | **职称及**  **获得时间** | 无 | | |
| **毕业院校** | | 中南大学 | | | | **所学专业** | | 安全科学与工程 | | **生源地** | | 河南周口 |
| **学习**  **经历** | **起止年月** | | | **学历学位** | | | | **学校专业** | | | | **研究生导师** |
| 2014.09-2018.06 | | | 大学本科/工学学士 | | | | 河南理工大学/安全工程 | | | | / |
| 2018.09-2024.06 | | | 研究生/工学博士 | | | | 中南大学/安全科学与工程 | | | | 李夕兵教授 |
| **工作**  **经历** | **起止年月** | | | **单位部门** | | | | **工作岗位及职务** | | | | |
| 无 | | |  | | | |  | | | | |
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| **主要**  **业绩** | **近五年发表论文（专著）、科研项目、申请专利等情况：**   1. **Guo, YD**., Dyskin, Arcady., Pasternak, Elena. Thermal spallation of dry rocks induced by flame parallel or normal to layering: effect of anisotropy.Energy, 2024, 288, 129697. 2. **Guo, YD**., Li, XB., Huang, LQ., Dyskin, Arcady., Pasternak, Elena. Insight into the dynamic tensile behavior of deep anisotropic shale reservoir after water-based working fluid cooling. International Journal of Rock Mechanics and Mining Sciences. 2024, 182, 105875. 3. **Guo, YD**., Dyskin, Arcady., Pasternak, Elena, Li, XB., Huang, LQ. Mechanics of thermal spallation and fracturing of dry rocks produced by surface heating. Acta Geotechnica. doi: 10.1007/s11440-024-02260-9. 4. **Guo, YD**., Li, XB., Huang, LQ. Effect of height–diameter ratio on the mechanical characteristics of shale with different bedding orientations. Journal of Rock Mechanics and Geotechnical Engineering, 2024, 16(7):2482-2502. 5. **Guo, YD**., Huang, LQ., Li, XB. Experimental and numerical investigation on the fracture behavior of deep anisotropic shale reservoir under in-situ temperature. Energy, 2023, 282, 128969. 6. **Guo, YD**., Li, XB., Huang, LQ. Experimental investigation on the sudden cooling effect of oil-based drilling fluid on the dynamic compressive behavior of deep shale reservoirs. Energy, 2023, 282, 128680. 7. **Guo, YD**., Huang, LQ., Li, XB. Experimental investigation of the tensile behavior and acoustic emission characteristics of anisotropic shale under geothermal environment. Energy, 2022, 263, 125767. 8. **Guo, YD**., Li, XB., Huang, LQ. Changes in thermophysical and thermomechanical properties of thermally treated anisotropic shale after water cooling. Fuel, 2022, 327, 125241. 9. **Guo, YD**., Li, XB., Huang, LQ. Insight into spontaneous water-based working fluid imbibition on the dynamic tensile behavior of anisotropic shale. Engineering Geology, 2022, 308, 106830. 10. **Guo, YD**., Li, XB., Huang, LQ., et al. Effect of water-based working fluid imbibition on static and dynamic compressive properties of anisotropic shale. Journal of Natural Gas Science and Engineering, 2021, 95, 104194. 11. **Guo, YD**., Huang, LQ., Li, XB., et al. Experimental investigation on the effects of thermal treatment on the physical and mechanical properties of shale. Journal of Natural Gas Science and Engineering, 2020, 82, 103496. 12. Huang, LQ., **Guo, YD\***., Li, XB. Mechanical response to dynamic compressive load applied to shale after thermal treatment. Journal of Natural Gas Science and Engineering, 2022, 102, 104565. 13. Huang, LQ., **Guo, YD\***., Li, XB. Failure characteristics of shale after being subjected to high temperatures under uniaxial compression. Bulletin of Engineering Geology and the Environment, 2021, 81, 33.   **主持科研项目情况**   1. 国际合作项目-西澳大学RCA2023计划- Thermal spallation drilling in rock engineering—experiment, modelling and applications, **2.5万澳元**，项目编号：GR001345，2024.01-2024.12，**主持.** 2. 湖南省研究生创新基金项目（重点）：裂隙和层理耦合作用下深层页岩脆性破坏行为，**5万元**，项目编号：CX20210106，2021.01-2023.01，**主持.** 3. 中央高校基本科研业务费专项资金项目：不同冷却方式下高温页岩动态行为特征与损伤破裂机理，**1万元**，项目编号：2020ZZTS707，2020.01-2021.12，**主持.**   **国家发明专利申请情况**   1. 微波照射联合干冰压裂开采页岩气的装置及方法（授权，排名1） 2. 一种联合开采深层-超深层页岩气与地热的系统与方法（授权，排名2） 3. 模拟原位深层页岩钻进与水力压裂的试验装置及试验方法（授权，排名2） | | | | | | | | | | | |
| **奖惩**  **情况** | **获奖、受处分情况：**   1. 中南大学优秀毕业生，颁发时间：2024年； 2. 中南大学博士研究生校长奖学金，颁发时间：2023年； 3. 中南大学优秀研究生，颁发时间：2023年； 4. 中南大学优秀共青团员，颁发时间：2023年； 5. 中南大学博士研究生校长奖学金，颁发时间：2022年； 6. 中南大学博士研究生校长奖学金，颁发时间：2021年； 7. 中南大学优秀研究生，颁发时间：2021年； 8. 河南省优秀毕业生，颁发时间：2018年； 9. 河南省三好学生，颁发时间：2016年； 10. 河南理工大学优秀共产党员，颁发时间：2018年； | | | | | | | | | | | |
| **爱人**  **情况** | **姓名** | | **无** | | **年龄** | |  | | **现工作单位** | |  | |
| **文化程度** | |  | | **是否干部** | |  | | **户口所在地** | |  | |
| **子女**  **情况** | **姓名** | | **关系** | | **出生日期** | | **现学习或工作地** | | **户口所在地** | | | |
| 无 | |  | |  | |  | |  | | | |
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