**附件1 东昆仑造山带地壳包体、古老S型花岗岩和石炭纪-三叠纪岩浆岩**

**Appendix 1 Crustal xenoliths, ancient S-type granites and Carboniferous-Triassic magmatic rocks, in the East Kunlun Orogen**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **地点** | **岩性** | **年龄/Ma** | **数据** | **参考文献** |
| 金水口 | 麻粒岩包体 |  | Sr-Nd | (龙晓平, 2004) |
| 波克开力 | S-型花岗片麻岩 | 2404~758 | Hf | (He, et al., 2016) |
| 金水口 | S型花岗岩(壳源) | 402 | Sr-Nd | (余能等, 2005) |
| 阿尼玛卿 | 洋中脊玄武岩 | 350 | Sr-Nd | (郭安林等, 2007) |
| 阿尼玛卿 | 洋岛玄武岩 | 350 | Sr-Nd | (郭安林等, 2007) |
| 石头坑得 | 镁铁质-超镁铁质岩 | 334 | Sr-Nd | (Zhang, et al., 2018) |
| 坑得弄舍 | 辉长岩 | 266 | Sr-Nd | (Zhao, et al., 2019) |
| 希望沟 | 橄榄辉长岩 | 265 | Hf | (孔会磊等, 2021) |
| 金水口 | 煌斑岩 | 253 | Hf | (Xiong, et al., 2013) |
| 白日其利 | 镁铁质岩 | 251 | Hf | (熊富浩等, 2011) |
| 白日其利 | 镁铁质岩 | 251~241 | Sr-Nd-Hf | (熊富浩, 2014) |
| 按纳格 | 角闪辉长岩 | 242 | Sr-Nd-Hf | (赵旭等, 2018) |
| 野牛沟 | 辉绿岩 | 218 | Sr-Nd-Hf | (Hu, et al., 2016) |
| 五龙沟 | 花岗闪长岩 | 260 | Sr-Nd-Hf | (罗明非等, 2015) |
| 约格鲁 | 闪长岩 | 256 | Sr-Nd | (刘成东等, 2003) |
| 坑得弄舍 | 花岗斑岩 | 256 | Hf | (Zhao, et al., 2020) |
| 香日德和青海湖南 | 花岗岩类和包体 | ~250 | Sr-Nd-Hf | (Huang, et al., 2014) |
| 巴隆 | 闪长岩、花岗闪长岩和包体 | 250~251 | Sr-Nd-Hf | (熊富浩, 2014) |
| 白日其利 | 镁铁质包体 | 250 | Sr-Nd-Hf | (熊富浩, 2014) |
| 白日其利 | 二长花岗岩 | 250 | Sr-Nd | (熊富浩, 2014) |
| 白日其利 | 英云闪长岩 | 249 | Sr-Nd | (熊富浩, 2014) |
| 白日其利 | 花岗闪长岩 | 248 | Sr-Nd-Hf | (熊富浩, 2014) |
| 巴隆 | 花岗闪长岩和包体 | 252~242 | Sr-Nd | (Zhang, et al., 2012) |
| 哈拉尕吐 | 包体 | 248 | Hf | (Li, et al., 2018) |
| 哈拉尕吐 | 花岗闪长岩 | 247 | Hf |  (Li, et al., 2018)  |
| 香日德 | 石英闪长岩 | 248 | Sr-Nd-Hf | (熊富浩, 2014) |
| 都兰北部 | 流纹岩和英安岩 | 245~244 | Sr-Nd-Hf | (Li, et al., 2015) |
| 夏日哈木 | 石英闪长岩 | 245~239 | Hf | (王冠等, 2014) |
| 五龙沟 | A型花岗岩 | 244 | Sr-Nd-Hf | (Ding, et al., 2014) |
| 约格鲁 | 花岗闪长岩和包体 | 243~239 | Sr-Nd |  (刘成东等, 2003)  |
| 南戈滩 | 花岗闪长岩和包体 | ~243 | Sr-Nd-Hf | (Xia, et al., 2015) |
| 香日德 | 花岗岩类 | 242 | Sr-Nd | (陈能松等, 2007) |
| 阿斯哈 | 石英闪长岩 | 242 | Sr-Nd-Hf | (Chen, et al., 2017) |
| 香日德 | 花岗闪长岩和包体 | 242 | Sr-Nd-Hf |  (Chen, et al., 2017)  |
| 坑得弄舍 | 凝灰岩 | 241 | Hf |  (Zhao, et al., 2020)  |
| 巴隆 | 石英闪长岩 | 241 | Sr-Nd |  (Zhang, et al., 2012)  |
| 都兰 | 花岗岩类和包体 | 240~235 | Sr-Nd-Hf | (Shao, et al., 2017) |
| 英德尔 | 花岗闪长岩和闪长岩 | 237 | Sr-Nd-Hf |  (Shao, et al., 2017)  |
| 香日德 | 钾长花岗岩 | 236 | Sr-Nd-Hf | (熊富浩, 2014) |
| 香日德 | 花岗斑岩 | 236 | Sr-Nd | (熊富浩, 2014) |
| 热水 | 花岗闪长岩、闪长岩和二长岩 | 235 | Sr-Nd-Hf |  (Shao, et al., 2017)  |
| 卡尔却卡 | 花岗闪长岩和包体 | 234 | Hf | (高永宝等, 2015) |
| 巴隆 | 正长花岗岩 | 231 | Sr-Nd |  (Zhang, et al., 2012)  |
| 香日德 | 包体 | 224 | Sr-Nd | (熊富浩, 2014) |
| 香日德 | 花岗闪长岩 | 224 | Sr-Nd-Hf | (熊富浩, 2014) |
| 都兰 | 花岗岩 | 220 | Sr-Nd-Hf |  (Shao, et al., 2017)  |
| 土房子 | 流纹质凝灰岩和斑岩 | 220 | Sr-Nd-Hf |  (Hu, et al., 2016)  |
| 屈库勒克东 | 闪长斑岩 | 221~204 | Hf | (Xing, et al., 2022) |
| 屈库勒克东 | 花岗闪长岩 | 217~210 | Hf |  (Xing, et al., 2022)  |
| 五龙沟 |  埃达克质高镁闪长岩 | 215 | Sr-Nd-Hf |  (Ding, et al., 2014)  |
| 香日德 | 闪长玢岩 | 215 | Sr-Nd-Hf | (熊富浩, 2014) |
| 香日德南西 | 流纹岩 | 213 | Sr-Nd | (丁烁等, 2011) |
| 香日德 | 包体 | 212 | Sr-Nd-Hf | (熊富浩, 2014) |
| 坑得弄舍 | 花岗斑岩 | 211 | Hf |  (Zhao, et al., 2020)  |

注：”数据”一列为正文图6和7所引用的数据类型.

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