Geological Magazine

Full title: **Late Jurassic to Early Cretaceous magmatism** **in the Xiong'ershan gold district, central China: implications for** **gold** **mineralization and geodynamics**

Short title:**Magmatism and mineralization in the Xiong'ershan**

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Supplementary Table S1 LA-ICP-MS and SHRIMP zircon U-Pb ages recorded in granitic plutons in the Xiong'ershan area.

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| Supplementary Table S1 LA-ICP-MS and SHRIMP zircon U-Pb ages recorded in granitic plutons in the Xiong'ershan area. | | | | | |
| Pluton | Rock type | Age(Ma) | 2σ | Analytical methods | References |
| Wuzhangshan | monzogranite | 157 | 1 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | monzogranite | 160.7 | 0.6 | LA-ICP-MS zircon U-Pb | This study |
|  | monzogranite | 163.3 | 2.1 | SHRIMP zircon U-Pb | Li, 2005 |
|  | monzogranite | 156.8 | 1.2 | SHRIMP zircon U-Pb | Li, 2005 |
|  | monzogranite | 153.6 | 1.3 | SHRIMP zircon U-Pb | Meng *et al*. 2012 |
|  | monzogranite | 161.5 | 2.1 | zircon U-Pb | Lai, 2015 |
| Huashan | monzogranite | 132 | 2 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | monzogranite | 127.2 | 1 | LA-ICP-MS zircon U-Pb | This study |
|  | monzogranite | 130.7 | 1.4 | SHRIMP zircon U-Pb | Li, 2005 |
|  | monzogranite | 128 | 1 | LA-ICP-MS zircon U-Pb | Nie *et al*. 2015 |
|  | monzogranite | 127.6 | 1.1 | SHRIMP zircon U-Pb | Meng *et al*. 2012 |
| Haoping | monzogranite | 131 | 1 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | monzogranite | 129.3 | 2.4 | LA-ICP-MS zircon U-Pb | Xiao *et al*. 2012 |
|  | monzogranite | 128.7 | 1 | LA-ICP-MS zircon U-Pb | Xiao *et al*. 2012 |
|  | monzogranite | 129.9 | 0.6 | LA-ICP-MS zircon U-Pb | Liang *et al*. 2015 |
| Jinshanmiao | monzogranite | 127.6 | 1.6 | LA-ICP-MS zircon U-Pb | Xiao *et al*. 2012 |
|  | monzogranite | 129.3 | 1.5 | SHRIMP zircon U-Pb | Meng *et al*. 2012 |
| Leimengou | granite porphyry | 136.2 | 1.5 | SHRIMP zircon U-Pb | Li *et al*. 2006 |
|  | granite porphyry | 126.8 | 2.7 | SHRIMP zircon U-Pb | Li *et al*. 2006 |
|  | Quartze porphyry | 125.4 | 0.8 | LA-ICP-MS zircon U-Pb | Deng *et al*. 2014 |
|  | granite porphyry | 131 | 0.6 | LA-ICP-MS zircon U-Pb | Cao *et al*. 2016 |
| Qiyugou | granite porphyry | 134.1 | 2.3 | LA-ICP-MS zircon U-Pb | Yao *et al*. 2009 |
|  | Quartz porphyry | 165 | 0.6 | LA-ICP-MS zircon U-Pb | Deng *et al*. 2014 |
|  | Quartz porphyry | 150.1 | 1.1 | LA-ICP-MS zircon U-Pb | Deng *et al*. 2014 |
| Banzusi | granite porphyry | 129 | 1 | LA-ICP-MS zircon U-Pb | Liang *et al*. 2013 |
| Haopinggou | granite porphyry | 134 | 1 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | granite porphyry | 130 | 1 | LA-ICP-MS zircon U-Pb | Liang *et al*. 2015 |
| Shiyaogou | granite porphyry | 133 | 1 | LA-ICP-MS zircon U-Pb | Han *et al*. 2013 |
|  | granite porphyry | 134 | 1 | LA-ICP-MS zircon U-Pb | Han *et al*. 2013 |
| Miaoling | granite porphyry | 157 | 1 | LA-ICP-MS zircon U-Pb | Li *et al*. 2014 |
| Niutougou | Quartz porphyry | 160 | 1 | LA-ICP-MS zircon U-Pb | Wang *et al*. 2012 |
| Mogou | granite porphyry | 130 | 2 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
| Heyu | monzogranite | 127 | 1 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | Granite | 127.2 | 1.4 | SHRIMP zircon U-Pb | Li, 2005 |
| Taishanmiao | Syenogranite | 115 | 2 | SHRIMP zircon U-Pb | Mao *et al*. 2010 |
|  | Syenogranite | 125 | 1 | LA-ICP-MS zircon U-Pb | Wang *et al*. 2016 |
|  | Syenogranite | 121 | 1 | LA-ICP-MS zircon U-Pb | Wang *et al*. 2016 |
|  | Syenogranite | 113 | 1 | LA-ICP-MS zircon U-Pb | Wang *et al*. 2016 |
|  | Syenogranite | 125 | 2 | LA-ICP-MS zircon U-Pb | Gao *et al*. 2014 |
|  | Syenogranite | 122 | 2 | LA-ICP-MS zircon U-Pb | Gao *et al*. 2014 |

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