

2013-12-02

2014-

1968-

33

760 Ma

7.12

la  
nia

t

00 M

2

5 Ma

t

630 Ma

U-

Ma

Pb  
[15- 16]

2

25.

GEO

str





Hf

2

—  
—  
—  
[4-518]

Hf

3

800-820Ma

30Ma

[20]

2

4

2

7

30

X

1

J-

40-

QMa

1132

[J].1977

Lu S, Li H K, Zhang C

vidence for the Precambrian

ing continental fragme

160-94-107.

1977

Sany

1977

1977

1977

1977

1977

1977

1977

- cratonization of the Tarim Block, NW China: Nd- isotopes and U- Pb zircon geochronology of the gabbro- TTG- potassic granite suite and Palaeozoic igneous rocks of the Palaeozoic orogenic belt[J]. *Journal of Asian Earth Sciences*, 2009, 38: 167- 179.
- [6] Shu L S, Deng X L, Ma D S, et al. Precambrian tectonic evolution of the Tarim Block, NW China: New constraints from the Quruqtagh domain[J]. *Journal of Metamorphic Geology*, 2011, 42: 774- 790.
- [7] Zhang C L, Zou H B, Li H K, et al. Tectonic evolution of the Tarim Block, NW China[J]. *Geology*, 2003, 31: 1306- 1315.
- [8] Zhang C L, Li Z X, Li X H, et al. Neoproterozoic mafic dykes in north margin of the Tarim, NW China: petrogenesis and tectonic implications[J]. *Journal of Asian Earth Sciences*, 2009, 35: 167- 179.
- [9] Zhang C L, Zou H B, Wang H Y. Multiple Neoproterozoic igneous activity in Quruqtagh of the Tarim Block, NW China: Interaction between plume and subduction plume[J]. *Precambrian Research*, 2011, 185: 1- 14.
- [10] Zhu W B, Zhang Z Z, Shu L S, et al. SHRIMP U- Pb zircon geochronology of Neoproterozoic Korla mafic dykes in the Tarim Block, NW China: implications for the breakup process of Rodinia[J]. *Journal of Geology*, 2008, 165: 887- 890.
- [11] Xu B, Xiao S H, Zou H B, et al. SHRIMP U- Pb zircon geochronology of Neoproterozoic Quruqtagh diorites in the Tarim Block, NW China[J]. *Precambrian Research*, 2009, 168: 247- 258.
- [12] Zhu W B, Zhang B H, Shu L S, et al. Geochronology and geochemistry of the Korla mafic dykes in the Neoproterozoic continental breakup zone, northwest China[J]. *Journal of Asian Earth Sciences*, 2012, 45: 101- 110. doi:10.1016/j.jseas.2010.11.018.
- [13] Li Z X, C McA Powell. An outline of the tectonic evolution of the Australasian region since the Neoproterozoic[J]. *Earth- Science Reviews*, 2001, 54: 257- 277.
- [14] Long X P, Yuan C, Sun M, et al. Archean tectonic evolution of the northern Tarim Craton, NW China: Zircon U- Pb and Hf isotopic constraints[J]. *Precambrian Research*, 2010, 185: 1- 14.
- [15] Zhang C L, Zou H B, Li H K, et al. Crustal evolution and Phanerozoic tectonic evolution of the northern Xinjiang: Nd isotopic evolution of basement rocks[J]. *Tectonophysics*, 2007, 23: 2595- 2504.
- [16] Zhang C L, Zou H B, Li H K, et al. Reworking of the Tarim Craton by Neoproterozoic derived magmas: Evidence from the Kuluketage area, NW China[J]. *Tectonophysics*, 2007, 387: 1- 14.
- [17] Zhang C L, Zou H B, Li H K, et al. Neoproterozoic ultramafic- mafic granulites in Quruqtagh of northeast Xinjiang: geochronology, geochemistry and tectonic implications[J]. *Precambrian Research*, 2007, 152: 149- 169.
- [18] Shu L S, et al. Neoproterozoic tectonic evolution of the Aksu blueschist terrane, northwestern Tarim Block, NW China: LA- ICP- MS zircon U- Pb ages and geochemistry[J]. *Precambrian Research*, 2011, 185: 215- 230.
- [19] Zhang B H, et al. Early Pan- African magma tectonics in the Tarim Block: Insights from zircon U- Pb- Lu- Hf isotopes of granulites in the Korla area, NW China[J]. *Journal of Geology*, 2012, 222: 223- 238.
- [20] Zhang B H, et al. U- Pb zircon geochronology of Neoproterozoic mafic rocks in the Tarim Block of northwest China: implications for the breakup of Rodinia supercontinent[J]. *Precambrian Research*, 2010, 185: 215- 230.
- [21] Zhang C L, Zou H B, Li H K, et al. Geochronology and geochemistry of the Korla mafic dykes in the Neoproterozoic continental breakup zone, northwest China[J]. *Journal of Asian Earth Sciences*, 2012, 45: 101- 110.
- [22] Li Z X, C McA Powell. An outline of the tectonic evolution of the Australasian region since the Neoproterozoic[J]. *Earth- Science Reviews*, 2001, 54: 257- 277.
- [23] Long X P, Yuan C, Sun M, et al. Archean tectonic evolution of the northern Tarim Craton, NW China: Zircon U- Pb and Hf isotopic constraints[J]. *Precambrian Research*, 2010, 185: 1- 14.