

1. Record Nr.	UNINA9910254129803321
Titolo	Main Tectonic Events and Metallogeny of the North China Craton // edited by Mingguo Zhai, Yue Zhao, Taiping Zhao
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2016
ISBN	981-10-1064-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (VII, 540 p. 262 illus., 235 illus. in color.)
Collana	Springer Geology, , 2197-9545
Disciplina	553.4
Soggetti	Geology, Structural Mines and mineral resources Geology, Economic Geochemistry Structural Geology Mineral Resources Economic Geology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Corresponding main metallogenic epochs to key geological events in the North China Craton: an example for secular changes in the evolving Earth -- Archean continental crust in the southern North China Craton -- Structural architecture and spatial-temporal distribution of the Archean domains in the Eastern North China craton -- Formation ages and environments of Early Precambrian banded iron formation in the North China Craton -- Neoproterozoic banded iron formations in the North China Craton: geology, geochemistry and its implications -- Archean continental crustal accretion and banded iron formations, Southeastern North China Craton -- Paleoproterozoic gneissic granites in the Liaoji mobile belt, North China Craton: implications for tectonic setting -- Genetic mechanism and metamorphic evolution of Khondalite series within the Paleoproterozoic mobile belts, North China Craton -- Paleoproterozoic copper system in the Zhongtiaoshan region, southern margin of the North China Craton: ore geology, fluid inclusion, and isotopic investigation -- The Paleoproterozoic continental evolution in the southern North China Craton: Constrains from magmatism and

sedimentation -- The Great Oxidation Event and its records in North China Craton -- Early Paleoproterozoic metallogenic explosion in North China Craton -- A genetic link between Paleoproterozoic Yuanjiaocun BIF and the Great Oxidation Event in North China Craton -- Magmatic records of the late Paleoproterozoic to Neoproterozoic extensional and rifting events in the North China Craton: a preliminary review -- Meso-Neoproterozoic stratigraphic and tectonic framework of the North China Craton -- Petrogenesis and tectonic significance of the late Paleoproterozoic to early Mesoproterozoic (~1.80-1.53 Ga) A-type granites in the southern margin of the North China Craton -- Insights into the ore genesis of the giant Bayan Obo REE-Nb-Fe deposit and the Mesoproterozoic rifting events in the northern North China Craton -- Paleozoic to early Mesozoic tectonics of North China Craton -- Two-stage extensional pattern in the North China-Mongolian tract during late Mesozoic: insights from the spatial and temporal distribution of magmatic domes and metamorphic core complexes -- Mesozoic Mo deposits in northern North China Craton -- Late Mesozoic gold mineralization in the North China Craton -- Lower crustal accretion and reworking beneath the North China Craton: Evidences from granulite xenoliths. <late p="">

---

### Sommario/riassunto

This book focuses on the metallogeny and main tectonic events of the North China Craton from early Precambrian to Phanerozoic. It covers the Archean crustal growth, Paleoproterozoic rifting-subduction-collision processes, Great Oxidation Event, Meso-Neoproterozoic multiple rifting, Phanerozoic reworking of the North China Craton, as well as metallogeny related to above different processes. The North China Craton is one of the oldest cratons in the world. It has experienced a complex geological evolution since the early Precambrian, and carries important records of secular changes in tectonics and metallogeny. It provides a systematic review and new results on the growth and evolution of the North China Craton and metallogeny. It will be of broad interest to the earth scientists working in the fields of economic geology, geochemistry, and tectonics of the North China Craton and eastern Asian.

---