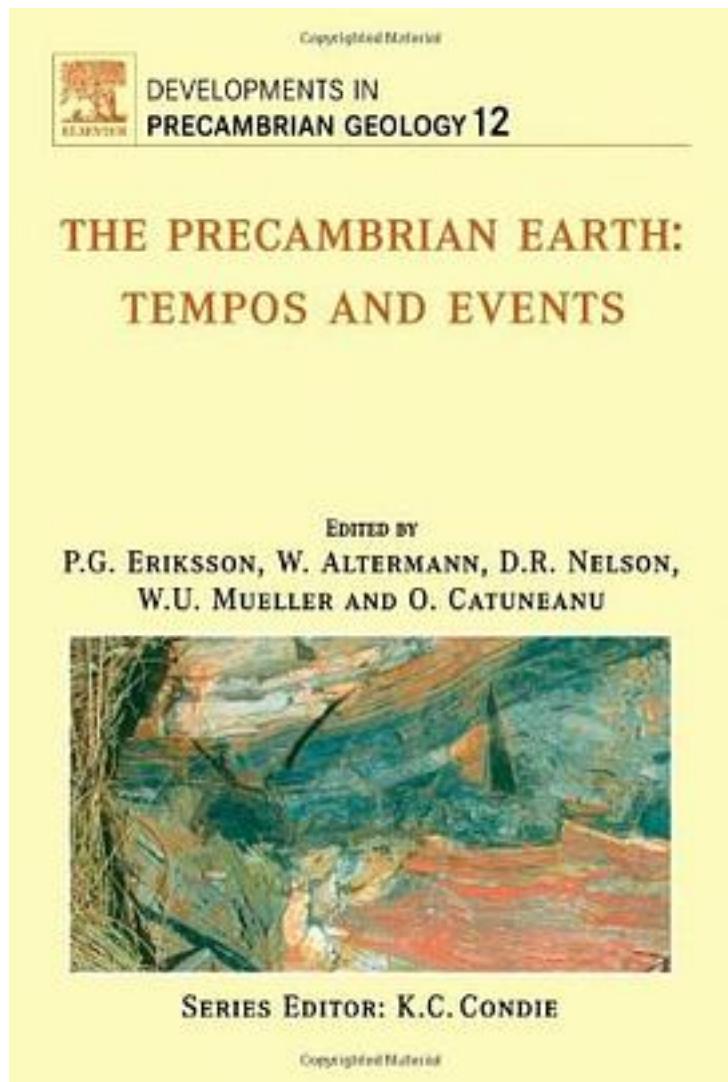


# The Precambrian Earth



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In this book the editors strive to cover all primary (i.e. non-applied) topics in Precambrian geology in a non-partisan way, by using a large team of international authors to present their datasets and highly divergent viewpoints. The chapters address: celestial origins of Earth and succeeding extraterrestrial impact events; generation of continental crust and the greenstone-granite debate; the interaction of mantle plumes and plate tectonics over Precambrian time; Precambrian volcanism, emphasizing komatiite research; evolution and models for Earth's hydrosphere and atmosphere; evolution of life and its influence on Precambrian ocean chemistry and chemical sedimentation; sedimentation through Precambrian time; the application of sequence stratigraphy to the Precambrian rock record. Each topic is introduced and a non-partisan closing commentary provided at the end of each chapter. The final chapter blends the major geological events and rates at which important processes occurred into a synthesis, which postulates a number of 'event clusters' in the Precambrian when significant changes occurred in many natural systems and geological environments. Also available in paperback, ISBN: 0-444-51509-7.

作者介绍:

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标签

科普

演化生物学

地球科学

古生物学

评论

0.细胞/共生/盖亚 vs. RNA/DNA - 始太古代 1.古菌（汤/海底/极端境）Vs. 真细菌（尤其自养，更尤其蓝藻） - 太古代（瓦巴拉/凯诺兰），最后造成古元古代休伦冰 2. 共生 Vs. 异养 / 动鞭毛（最后两种模式融合：真核生物） - 努那大陆- 古元古代 [共生原核蓝藻群 Vs. 多细胞海藻 - 罗蒂尼亞大陸-中元古代] 最后造成新元古代雪球地球

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书评

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