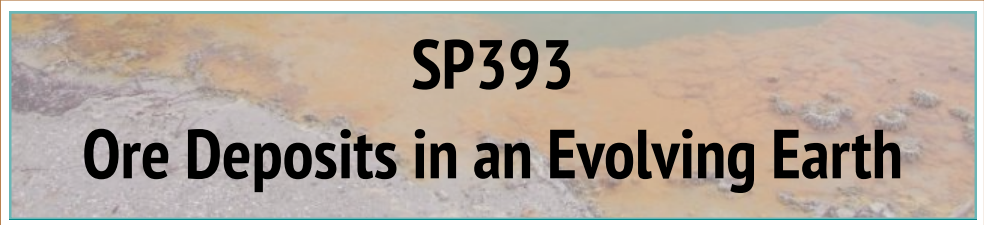




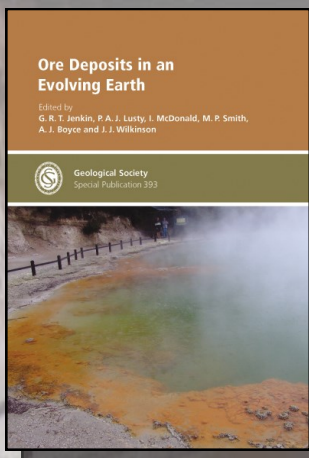
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Ore Deposits in an Evolving Earth



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Edited by G. R. T. Jenkin, P. A. J. Lusty, I. McDonald, M. P. Smith, A. J. Boyce and J. J. Wilkinson

Geological Society
Special Publication 323

Edited by G.R.T. Jenkin, P.A.J. Lusty, I. McDonald, M.P. Smith, A.J. Boyce and J.J. Wilkinson

ISBN: 978-1-86239-626-5

Published: January 2015

Hardback

333 pages

Subject category: Mineral and Ore Deposits, Tectonics, Geochemistry

Prices:

List: £110

GSL members: £55

View/Order online now:

www.geolsoc.org.uk/SP393

Geological Society Publishing House

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Ore deposits form by a variety of natural processes that concentrate elements into a volume that can be economically mined. Their type, character and abundance reflect the environment in which they formed and thus they preserve key evidence for the evolution of magmatic and tectonic processes, the state of the atmosphere and hydrosphere, and the evolution of life over geological time. This volume presents 13 papers on topical subjects in ore deposit research viewed in the context of Earth evolution. These diverse, yet interlinked, papers cover topics including: controls on the temporal and spatial distribution of ore deposits; the sources of fluid, gold and other components of orogenic gold deposits; the degree of oxygenation in the Neoproterozoic ocean; bacterial immobilization of gold in the semi-arid near-surface environment; and mineral resources for the future, including issues of resource estimation, sustainability of supply and the criticality of certain elements to society.

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