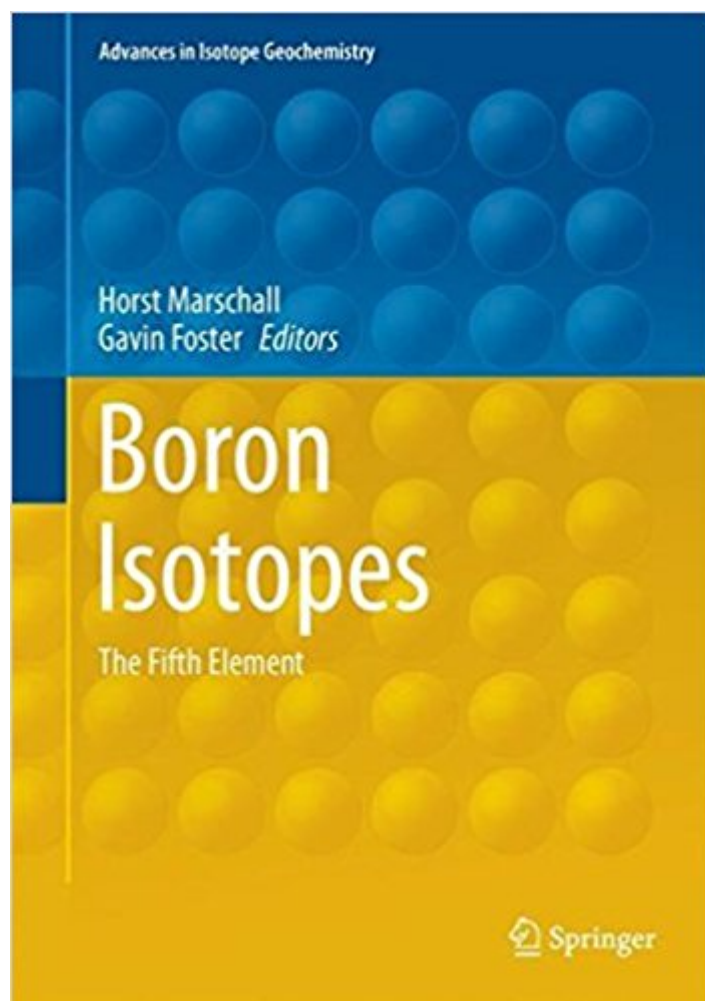


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Boron Isotopes: The Fifth Element (Advances In Isotope Geochemistry)



Synopsis

This new volume on boron isotope geochemistry offers review chapters summarizing the cosmochemistry, high-temperature and low-temperature geochemistry, and marine chemistry of boron. It also covers theoretical aspects of B isotope fractionation, experiments and atomic modeling, as well as all aspects of boron isotope analyses in geologic materials using the full range of solutions and in-situ methods. The book provides guidance for researchers on the analytical and theoretical aspects, as well as introducing the various scientific applications and research fields in which boron isotopes currently play a major role. The last compendium to summarize the geochemistry of boron and address its isotope geochemistry was published over 20 years ago (Grew & Anovitz, 1996, MSA Review, Vol.33), and there have since been significant advances in analytical techniques, applications and scientific insights into the isotope geochemistry of boron. This volume in the "Advances in Isotope Geochemistry" series provides a valuable source for students and professionals alike, both as an introduction to a new field and as a reference in ongoing research. Chapters 5 and 8 of this book is available open access under a CC BY 4.0 license at link.springer.com

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