

1. Record Nr.	UNINA9910254118203321
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Titolo	Advances in Lithium Isotope Geochemistry // by Paul Tomascak, Tomáš Magna, Ralf Dohmen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-01430-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (205 p.)
Collana	Advances in Isotope Geochemistry, , 2364-5105
Disciplina	539.762
Soggetti	Geochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Methodology of Lithium Analytical Chemistry and Isotopic Measurements -- Cosmochemistry of Lithium -- Li Partitioning, Diffusion and Associated Isotopic Fractionation: Theoretical and Experimental Insights -- Lithium in the Deep Earth: Mantle and Crustal Systems -- The Surficial Realm: Low Temperature Geochemistry of Lithium.
Sommario/riassunto	This work summarizes the historical progression of the field of lithium (Li) isotope studies and provides a comprehensive yet succinct overview of the research applications toward which they have been directed. In synthesizing the historical and current research, the volume also suggests prospective future directions of study. Not even a full decade has passed since the publication of a broadly inclusive summary of Li isotope research around the globe (Tomascak, 2004). In this short time, the use of this isotope system in the investigation of geo- and cosmochemical questions has increased dramatically, due, in part, to the advent of new analytical technology at the end of the last millennium. Lithium, as a light element that forms low-charge, moderate-sized ions, manifests a number of chemical properties that make its stable isotope system useful in a wide array of geo- and cosmochemical research fields. .