

1. Record Nr.	UNINA9910299432803321
Titolo	Layered Intrusions // edited by Bernard Charlier, Olivier Namur, Rais Latypov, Christian Tegner
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2015
ISBN	94-017-9652-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (749 p.)
Collana	Springer Geology, , 2197-9545
Disciplina	549 55 551.9 553
Soggetti	Mineralogy Geochemistry Mines and mineral resources Mineral Resources
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 and index.
Nota di contenuto	Part I: Formation and Evolution of Cumulate Rocks -- Geochronology of Layered Intrusions -- Igneous Layering in Magma Chambers -- Quantitative Textural Analysis of Rocks in Layered Mafic Intrusions -- The Influence of Interfacial Energies on Igneous Microstructures.- Silicate Liquid Immiscibility in Layered Intrusions -- Marginal Reversals in Layered Intrusions -- The Significance of Magnetic Fabric in Layered Mafic-Ultramafic Intrusions -- Physical Controls of Nucleation, Growth and Migration of Vapor Bubbles in Partially Molten Cumulates -- Platinum-group Elements Deposits in Layered Intrusions: Recent Advances in the Understanding of the Ore Forming Processes -- Part II: Reviews of Major Layered Intrusions -- The Panzhihua Intrusion, Southwestern China.-The Sept Iles Intrusive Suite, Quebec -- The Bushveld Complex, South Africa -- The Kiglapait Layered Intrusion, Labrador -- The Ilimaussaq Intrusion, Greenland -- Ophiolitic Magma Chambers; a Perspective from the Canadian Appalachians.
Sommario/riassunto	This edited work contains the most recent advances related to the

study of layered intrusions and cumulate rocks formation. The first part of this book presents reviews and new views of processes producing the textural, mineralogical and geochemical characteristics of layered igneous rocks. The second part summarizes progress in the study of selected layered intrusions and their ore deposits from different parts of the world including Canada, Southwest China, Greenland and South Africa. Thirty experts have contributed to this update on recent research on Layered Intrusions. This highly informative book will provide insight for researchers with an interest in geology, igneous petrology, geochemistry and mineral resources.
