

1. Record Nr.	UNINA9910466621703321
Titolo	Amphiboles : crystal chemistry, occurrence, and health issues // editors, Frank C. Hawthorne [and three others]
Pubbl/distr/stampa	Chantilly, Virginia : , : Mineralogical Society of America, , [2007] ©2007
ISBN	1-5015-0852-0
Descrizione fisica	1 online resource (xv, 545 pages) : illustrations, maps
Collana	Reviews in Mineralogy & Geochemistry ; ; 67
Disciplina	549.66
Soggetti	Amphiboles Petrology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"[A]n extensive review of the material presented ... at a three-day short course on Amphiboles held at the Accademia dei Lincei in Rome, Italy (October 29-31, 2007)"--P. [iii]. "Published in partnership with Accademia Nazionale dei Lincei"--Cover. Copublished with Geochemical Society.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Preface -- TABLE OF CONTENTS -- 1. Amphiboles: Crystal Chemistry / Hawthorne, Frank C. / Oberti, Roberta -- 2. Classification of the Amphiboles / Hawthorne, Frank C. / Oberti, Roberta -- 3. New Amphibole Compositions: Natural and Synthetic / Oberti, Roberta / Della Ventura, Giancarlo / Cámara, Fernando -- 4. Long-Range Order in Amphiboles / Oberti, Roberta / Hawthorne, Frank C. / Cannillo, Elio / Cámara, Fernando -- 5. Short-Range Order in Amphiboles / Hawthorne, Frank C. / Della Ventura, Giancarlo -- 6. Non-Ambient in situ Studies of Amphiboles / Welch, Mark D. / Cámara, Fernando / Della Ventura, Giancarlo / Iezzi, Gianluca -- 7. The Synthesis and Stability of Some End-Member Amphiboles / Evans, Bernard W. -- 8. The Significance of the Reaction Path in Synthesizing Single-Phase Amphibole of Defined Composition / Maresch, Walter V. / Czank, Michael -- 9. Amphiboles in the Igneous Environment / Martin, Robert F. -- 10. Metamorphic Amphiboles: Composition and Coexistence / Schumacher, John C. -- 11. Trace-Element Partitioning

Between Amphibole and Silicate Melt / Tiepolo, Massimo / Oberti, Roberta / Zanetti, Alberto / Vannucci, Riccardo / Foley, Stephen F. -- 12. Amphiboles: Environmental and Health Concerns / Gunter, Mickey E. / Belluso, Elena / Mottana, Annibale -- 13. Amphiboles: Historical Perspective / Cipriani, Curzio

Sommario/riassunto

Volume 67 of Reviews in Mineralogy and Geochemistry covers the Crystal Chemistry, Occurrence, and Health Issues of Amphiboles. Contents: Amphiboles: Crystal Chemistry Classification of the Amphiboles New Amphibole Compositions: Natural and Synthetic Long-Range Order in Amphiboles Short-Range Order in Amphiboles Non-Ambient in situ Studies of Amphiboles The Synthesis and Stability of Some End-Member Amphiboles The Significance of the Reaction Path in Synthesizing Single-Phase Amphibole of Defined Composition Amphiboles in the Igneous Environment Metamorphic Amphiboles: Composition and Coexistence Trace-Element Partitioning Between Amphibole and Silicate Melt Amphiboles: Environmental and Health Concerns Amphiboles: Historical Perspective
