

1. Record Nr.	UNINA9910164939503321
Titolo	A knock on the door : the essential history of residential schools from the Truth and Reconciliation Commission of Canada // foreword by Phil Fontaine
Pubbl/distr/stampa	Winnipeg, Manitoba : , : University of Manitoba Press, , 2016 ©2016
ISBN	0-88755-538-1 0-88755-540-3
Edizione	[Edited & abridged.]
Descrizione fisica	1 online resource (297 pages) : illustrations, map
Disciplina	971.004/97
Soggetti	Off-reservation boarding schools - Canada - History Indians of North America - Education - Canada - History Indians, Treatment of - Canada - History - 20th century Indians of North America - Canada - Social conditions - 20th century Truth commissions - Canada Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910144701903321
Titolo	Inorganic materials synthesis and fabrication [[electronic resource] /] / John N. Lalena ... [et al.]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, 2008
ISBN	1-281-20381-5 9786611203818 0-470-19157-0 0-470-19156-2
Descrizione fisica	1 online resource (313 p.)
Altri autori (Persone)	LalenaJohn N
Disciplina	620.1/1 620.11
Soggetti	Materials Inorganic compounds Electronic books.
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 and index.
Nota di contenuto	INORGANIC MATERIALS SYNTHESIS AND FABRICATION; CONTENTS; Preface; 1 Crystallographic and Microstructural Considerations; 1.1 Relationship Between Physical Properties and Crystallographic Symmetry; 1.2 Morphological Crystallography; 1.3 Space Lattices; 1.4 Surface and Interface Structures; 1.5 Controlled Crystal Growth and Microstructural Evolution; 1.6 Structures of Glassy and Quasicrystalline Phases; References; 2 Chemical Energetics and Atomistics of Reactions and Transformations in Solids; 2.1 Equilibrium Thermodynamics; 2.2 Structural Energetics 2.3 Grain Boundary Energy and Surface Energy Contributions2.4 Mass Transport and Nonequilibrium Thermodynamics; 2.5 Chemical Reaction and Phase Transformation Kinetics in Solids; References; 3 Solid-Vapor Reactions; 3.1 Vapor-Phase Fundamentals; 3.2 Vapor Absorption and Adsorption; 3.3 Film Formation Basics; 3.4 Vapor-Phase Intercalation; 3.5 Physical Vapor Deposition; 3.6 Chemical Vapor Deposition; 3.7 Molecular Beam Epitaxy; References; 4 Solid-Liquid Reactions; 4.1 Solid-Liquid Interface; 4.2 Crystallization, Precipitation, and

Solidification; 4.3 Sol-Gel Processing
4.4 Solvothermal and Hydrothermal Techniques4.5 Molten Salts and
Room-Temperature Ionic Liquids; 4.6 Electrochemical Synthesis;
References; 5 Solid-Solid Reactions; 5.1 Solid-Solid Interface; 5.2
Ceramic Method; 5.3 Mechanical Alloying; 5.4 Combustion Synthesis;
5.5 Microwave Synthesis; References; 6 Nanomaterials Synthesis; 6.1
Top-Down Methods for Fabrication of Nanocrystalline Materials; 6.2
Bottom-Up Methods for Synthesis of Nanostructured Solids;
References; 7 Materials Fabrication; 7.1 Influence of Structure on
Materials Properties; 7.2 Deformation and Solidification Methods
7.3 Consolidation Methods7.4 Summary; References; Appendix A1:
General Mechanical Engineering Terms; Appendix A2: Green Materials
Synthesis and Processing; Index

Sommario/riassunto

This up-to-date, single-source reference on the preparation of single-phase inorganic materials covers the most important methods and techniques in solid-state synthesis and materials fabrication. Presenting both fundamental background and advanced methodologies, it describes the principles of crystallography, thermodynamics, and kinetics required, addresses crystallographic and microstructural considerations, and describes various kinds of reactions. This is an excellent text for materials science and engineering, chemistry, and physics students, as well as a practical, hands-on reference for
