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Titolo	Ammonothermal synthesis and crystal growth of nitrides : chemistry and technology / / edited by Elke Meissner, Rainer Niewa
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-56305-7
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XX, 342 p. 156 illus., 110 illus. in color.)
Collana	Springer Series in Materials Science, , 0933-033X ; ; 304
Disciplina	745.05
Soggetti	Crystallization Supercritical fluids Nitrides - Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part I: General Importance for the Synthesis and Crystal Growth of Nitrides -- Part II: Technology of Ammonothermal Synthesis -- Part III: Chemistry of Ammonothermal Synthesis -- Part IV: Future Aspects and Challenges.
Sommario/riassunto	This book provides a collection of contributed chapters, delivering a comprehensive overview of topics related to the synthesis and crystal growth of nitride compounds under supercritical ammonia conditions. Focusing on key chemical and technological aspects of ammonothermal synthesis and growth of functional nitride compounds, the book also describes many innovative techniques for in-situ observation and presents new data fundamental for materials synthesis under ammonothermal conditions. With its detailed coverage of many thermodynamic and kinetics aspects, which are necessary for understanding and controlling crystal growth, this contributed volume is the ideal companion to materials chemists and engineers at any point in their journey in this rich and exciting field.

2. Record Nr.	UNINA9910155706803321
Autore	Heos Bridget
Titolo	Let's Meet a Doctor
Pubbl/distr/stampa	Lerner
ISBN	1-5124-4571-1
Descrizione fisica	1 online resource (24 p.) : ill
Disciplina	618.92
Lingua di pubblicazione	Inglese
Formato	Musica
Livello bibliografico	Monografia
Sommario/riassunto	<a href="https://ebooks.lernerbooks.com/reader/9781512477658">https://ebooks.lernerbooks.com/reader/9781512477658</a>