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Titolo	Petrochronology : methods and applications // editors, Matthew J. Kohn, Martin Engi & Pierre Lanari
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Collana	Reviews in Mineralogy and Geochemistry, , 1943-2666 ; ; Volume 83
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Soggetti	Petrology Petroleum - Geology Geological time Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Frontmatter -- Preface -- Table of Contents -- 1. Significant Ages - An Introduction to Petrochronology / Engi, Martin / Lanari, Pierre / Kohn, Matthew J. -- 2. Phase Relations, Reaction Sequences and Petrochronology / Yakymchuk, Chris / Clark, Chris / White, Richard W. -- 3. Local Bulk Composition Effects on Metamorphic Mineral Assemblages / Lanari, Pierre / Engi, Martin -- 4. Diffusion: Obstacles and Opportunities in Petrochronology / Kohn, Matthew J. / Penniston-Dorland, Sarah C. -- 5. Electron Microprobe Petrochronology / Williams, Michael L. / Jercinovic, Michael J. / Mahan, Kevin H. / Dumond, Gregory -- 6. Petrochronology by Laser-Ablation Inductively Coupled Plasma Mass Spectrometry / Kylander-Clark, Andrew R. C. -- 7. Secondary Ionization Mass Spectrometry Analysis in Petrochronology / Schmitt, Axel K. / Vazquez, Jorge A. -- 8. Petrochronology and TIMS / Schoene, Blair / Baxter, Ethan F. -- 9. Zircon: The Metamorphic Mineral / Rubatto, Daniela -- 10. Petrochronology of Zircon and Baddeleyite in Igneous Rocks: Reconstructing Magmatic Processes at High Temporal Resolution / Schaltegger, Urs / Davies, Joshua H.F.L. -- 11. Hadean Zircon Petrochronology / Harrison, T. Mark / Bell, Elizabeth A. / Boehnke, Patrick -- 12. Petrochronology Based on REE-Minerals:

Monazite, Allanite, Xenotime, Apatite / Engi, Martin -- 13. Titanite Petrochronology / Kohn, Matthew J. -- 14. Petrology and Geochronology of Rutile / Zack, Thomas / Kooijman, Ellen -- 15. Garnet: A Rock-Forming Mineral Petrochronometer / Baxter, E. F. / Caddick, M. J. / Dragovic, B. -- 16. Chronometry and Speedometry of Magmatic Processes using Chemical Diffusion in Olivine, Plagioclase and Pyroxenes / Dohmen, Ralf / Faak, Kathrin / Blundy, Jon D. -- RiMG Series

Sommario/riassunto

Petrochronology is a rapidly emerging branch of Earth science that links time (ages or rates) with specific rock-forming processes and their physical conditions. It is founded in petrology and geochemistry, which define a petrogenetic context or delimit a specific process, to which chronometric data are then linked. This combination informs Earth's petrogenetic processes better than petrology or geochronology alone. This volume and the accompanying short courses address three broad categories of inquiry. Conceptual approaches chapters include petrologic modeling of multi-component chemical and mineralogic systems, and development of methods that include diffusive alteration of mineral chemistry. Methods chapters address four main analytical techniques, specifically EPMA, LA-ICP-MS, SIMS and TIMS. Mineral-specific chapters explore applications to a wide range of minerals, including zircon (metamorphic, igneous, and detrital/Hadean), baddeleyite, REE minerals (monazite, allanite, xenotime and apatite), titanite, rutile, garnet, and major igneous minerals (olivine, plagioclase and pyroxenes). These applications mainly focus on metamorphic, igneous, or tectonic processes, but additionally elucidate fundamental transdisciplinary progress in addressing mechanisms of crystal growth, the chemical consequences of mineral growth kinetics, and how chemical transport and deformation affect chemically complex mineral composites. Most chapters further recommend areas of future research.

2. Record Nr.	UNINA9910254689403321
Autore	Sturmey Peter
Titolo	Pica in Individuals with Developmental Disabilities // by Peter Sturmey, Don E. Williams
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-30798-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (193 p.)
Collana	Autism and Child Psychopathology Series, , 2192-922X
Disciplina	613.2
Soggetti	Child psychology School psychology Behavioral therapy Social work Child and School Psychology Behavioral Therapy Social Work
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	Part I: Foundational Issues -- Chapter 1. Definition and Diagnosis -- Chapter 2. Epidemiology -- Chapter 3. Theories -- Part II: Treatment -- Chapter 4. Behavioral Assessment and Treatment: An Overview -- Chapter 5. Functional Assessment and Analysis and Function-Based Interventions -- Chapter 6. Behavioral Interventions: Non-Function Based Interventions -- Chapter 7. Behavioral Interventions: Treatment Programs and Outcome Data -- Chapter 8. Prevention Treatment and Clinical Management of Pica -- Chapter 9. Biomedical and Other Interventions -- Part III: Emerging Issues -- Chapter 10. Future Directions for Research and Services.
Sommario/riassunto	This book provides a comprehensive overview of the clinical phenomenon of pica. It focuses specifically on the disorder as it presents in children, adolescents, and adults with autism spectrum disorder (ASD) and intellectual disabilities (ID). Initial chapters introduce current theories and definitions, followed by a more detailed examination of how developmental disabilities complicate diagnosis

and intervention. The volume describes evidence-based and clinically sound approaches to the treatment and prevention of pica in school and adult clinical settings, ranging from behavioral treatment to function-based interventions. In addition, it discusses common diagnostic, client, and provider issues that result in pica remaining undetected among individuals with ASD and ID. Featured topics include: Definition of pica in accessible terms, differentiating between various forms of the disorder. Issues and practical methods of prevention and treatment of pica in developmentally disabled persons. Functional and behavioral assessment methods for pica in individuals with ASD and ID. A range of effective behavioral and nonbehavioral treatments for pica. Illustrative cases and service delivery challenges. Areas for future research and practice. Pica in Individuals with Developmental Disabilities is an invaluable resource for researchers, clinicians and other professionals, and graduate students in clinical child and school psychology, behavior analysis/therapy, and social work as well as child and adolescent psychiatry, pediatrics, family studies, and special education.
