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Nota di contenuto	Frontmatter -- Dedication -- FOREWORD -- PREFACE -- Table of Contents -- 1. Structure and Chemistry of Zircon and Zircon-Group Minerals / Finch, Robert J. / Hanchar, John M. -- 2. The Composition of Zircon and Igneous and Metamorphic Petrogenesis / Hoskin, Paul W. O. / Schaltegger, Urs -- 3. Melt Inclusions in Zircon / Thomas, J. B. / Bodnar, R. J. / Shimizu, N. / Chesner, C. A. -- 4. Zircon Saturation Thermometry / Hanchar, John M. / Watson, E. Bruce -- 5. Diffusion in Zircon / Cherniak, Daniele J. / Watson, E. Bruce -- 6. Historical Development of Zircon Geochronology / Davis, Donald W. / Williams, Ian S. / Krogh, Thomas E. -- 7. Zircon U-Th-Pb Geochronology by Isotope Dilution - Thermal Ionization Mass Spectrometry (ID-TIMS) / Parrish, Randall R. / Noble, Stephen R. -- 8. Considerations in Zircon Geochronology by SIMS / Ireland, Trevor R. / Williams, Ian S. -- 9. Present Trends and the Future of Zircon in Geochronology: Laser Ablation ICPMS / Košler, Jan / Sylvester, Paul J. -- 10. Detrital Zircon Analysis of the Sedimentary Record / Fedo, Christopher M. / Sircombe, Keith N. / Rainbird, Robert H. -- 11. High-Precision U-Pb Zircon Geochronology and the Stratigraphic Record / Bowring, Samuel A. / Schmitz, Mark D. -- 12. Lu-Hf and Sm-Nd isotope systems in zircon / Kinny, Peter D. / Maas, Roland -- 13. Oxygen Isotopes in Zircon / Valley, John W. -- 14. Radiation Effects in Zircon / Ewing, Rodney C. /

Meldrum, Alkiviathes / Wang, LuMin / Weber, William J. / Corrales, L. René -- 15. Spectroscopic methods applied to zircon / Nasdala, Lutz / Zhang, Ming / Kempe, Ulf / Panczer, Gérard / Gaft, Michael / Andrut, Michael / Plötze, Michael -- 16. Atlas of Zircon Textures / Corfu, Fernando / Hanchar, John M. / Hoskin, Paul W.O. / Kinny, Peter

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Sommario/riassunto

Volume 53 of Reviews in Mineralogy and Geochemistry covers the most important aspects of zircon-related research over the past twenty-years and highlight possible future research avenues. The chapters review the structure of zircon and other mineral (and synthetic) phases with the zircon structure; the minor and trace element compositions of igneous, metamorphic and hydrothermal zircons; the study of melt inclusions in zircon; experimental and natural studies of zircon saturation and the use of zircon saturation thermometry for natural rocks; cation diffusion and oxygen diffusion in zircon; the historical development of zircon geochronology from the mid-1950s to the present; ID-TIMS, SIMS and ICP-MS; the application of zircon chronology in constraining sediment provenance and the calibration of the geologic time-scale; other isotopic systematics; the spectroscopy of zircon, both crystalline and metamict and an atlas of internal textures of zircon.

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2. Record Nr.	UNINA9910469059503321
Autore	Abaelardus, Petrus <1079-1142>
Titolo	Conosci te stesso, o Etica / Pietro Abelardo ; introduzione, traduzione e note di Mario Dal Pra ; in appendice testo latino nell'edizione critica di D. E. Luscombe
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