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Autore	Mancini Ugo <1956->
Titolo	1939-1940 [[electronic resource]] : la vigilia della seconda guerra mondiale e la crisi del fascismo a Roma e nei Castelli Romani / / Ugo Mancini
Pubbl/distr/stampa	Roma, : Armando, 2004
ISBN	88-8358-789-8
Descrizione fisica	191 p
Collana	Scaffale aperto
Disciplina	945
Soggetti	Fascism - Italy - Rome Fascism - Italy - Castelli Romani Rome (Italy) History 1870-1945
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Castelli Romani, near Rome (Lazio).
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Autore	Fleming Donald G
Titolo	Muon Spin Spectroscopy : Methods and Applications in Chemistry and Materials Science
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9783527806089 3527806083 9783527806058 3527806059
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Descrizione fisica	1 online resource (258 pages)
Altri autori (Persone)	McKenzieIain PercivalPaul W
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Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Preface -- Chapter 1 Perspective and Introductory Remarks -- 1.1 What Do Muons Bring to Chemistry? -- 1.2 Muon Facilities and Background to Experimental Muon Techniques -- 1.3 The Development of Muonium Chemistry -- References -- Chapter 2 Muon Beams and Spin Spectroscopy -- 2.1 SpinPolarized Muon Beams -- 2.2 Muon Decay and Detection of Its Spin Polarization -- 2.3 Continuous Versus Pulsed Muon Beams -- 2.4 SR Spectrometers -- 2.5 Spectroscopy of Muons in Diamagnetic Environments -- 2.5.1 Diamagnetic Muons in a Longitudinal Field -- 2.5.2 Diamagnetic Muons in a Transverse Field -- 2.5.3 Diamagnetic Muons in Zero Magnetic Field -- 2.6 Spectroscopy of Muonium -- 2.6.1 Muonium in a Transverse Field -- 2.6.2 Muonium in a Longitudinal Field -- 2.7 TFSR of Muoniated Radicals -- 2.7.1 Muoniated Radicals in Isotropic Environments -- 2.7.2 Muoniated Radicals in Anisotropic Environments -- 2.7.3 Polarization Transfer from Precursor to Radical -- 2.8 Avoided LevelCrossing Resonance of Muoniated Radicals -- 2.9 RF Muon Spin Resonance of Muoniated

Sommario/riassunto

This comprehensive reference, 'Muon Spin Spectroscopy: Methods and Applications in Chemistry and Materials Science,' authored by Donald G. Fleming, Iain McKenzie, and Paul W. Percival, explores the utilization of muons in chemical and material science research. The text delves into the principles and techniques of muon spin spectroscopy and its application to various complex systems, from chemical reactivity in the gas phase to condensed phases and materials chemistry. It provides insights into muonium chemistry, including the behavior of muoniated radicals, and covers topics such as spin relaxation studies and the interaction of muons with soft matter, organic materials, and biological systems. This book is targeted at researchers and professionals in the fields of chemistry and materials science, aiming to expand their understanding of muonic interactions and spectroscopic techniques.