

1. Record Nr.	UNINA9910778307803321
Autore	Rieger Philip Henri <1935->
Titolo	Electron spin resonance [[electronic resource]] : analysis and interpretation // Philip H. Rieger
Pubbl/distr/stampa	Cambridge, : Royal Society of Chemistry, c2007
ISBN	1-84755-787-2
Descrizione fisica	1 online resource (186 p.)
Disciplina	538.364
Soggetti	Electron paramagnetic resonance Paramagnetism
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	9780854043552_Electron Spin Resonance; i_iv; v_vii; viii_xii; 001_020; 021_043; 044_051; 052_091; 092_111; 112_132; 133_151; 152_157; 158_168; 169-173
Sommario/riassunto	This book describes in mathematical terms the extraction of useful information from ESR spectra as applied to paramagnetic organic, inorganic and organometalic molecules. It lays a firm groundwork for understanding more sophisticated experiments, which the availability of newer commercial instruments has made possible. It takes the reader step by step through obtaining and interpreting ESR spectra of paramagnetic molecules. The mathematical basis of each observed phenomena are detailed and examples given. In particular there is a detailed discussion of 2nd order perturbation theory treatment