

1. Record Nr.	UNINA9910817119303321
Titolo	Powder diffraction : theory and practice // editors, Robert E. Dinnebier and Simon Billinge
Pubbl/distr/stampa	Cambridge, : Royal Society of Chemistry, 2008
ISBN	1-84755-823-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (605 p.)
Altri autori (Persone)	DinnebierRobert E BillingeS. J. L
Disciplina	543.59
Soggetti	Spectrum analysis Powders - Optical properties
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	""9780854042319""; ""i_iv""; ""v_x""; ""xi_xxii""; ""001_019""; ""020_057""; ""058_088""; ""089_133""; ""134_165""; ""166_205""; ""206_226""; ""227_265""; ""266_281""; ""282_297""; ""298_331""; ""332_375""; ""376_413""; ""414_438""; ""439_463""; ""464_493""; ""494_570""; ""571_582""
Sommario/riassunto	Powder diffraction is a widely used scientific technique in the characterization of materials with broad application in materials science, chemistry, physics, geology, pharmacology and archaeology. Powder Diffraction: Theory and Practice provides an advanced introductory text about modern methods and applications of powder diffraction in research and industry. The authors begin with a brief overview of the basic theory of diffraction from crystals and powders. Data collection strategies are described including x-ray, neutron and electron diffraction setups using modern day apparatus including