

1. Record Nr.	UNISA996388404103316
Titolo	By the King [[electronic resource]] : whereas we are dayly informed by the officers of our mint and otherwise, that aswell diuers of our naturall borne subiects, both goldsmiths, merchants, and men of other trades ... doe presume to weigh all sorts of moneys .
Pubbl/distr/stampa	Imprinted at London, : By Robert Barker, Printer to the Kings most Excellent Maiestie, Anno 1611
Descrizione fisica	1 sheet ([1] p.)
Altri autori (Persone)	James, King of England, <1566-1625.>
Soggetti	Coinage - Law and legislation - England Broadside17th century.London (England) Great Britain History James I, 1603-1625
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Other title information from first 5 lines of text. Against melting down or exporting coin. "Giuen at Our Mannour of Greenwich the eighteenth day of May, in the ninth yeere of Our Raigne of Great Britaine, France and Ireland." Reproduction of original in: Society of Antiquaries.
Sommario/riassunto	eebo-0147

2. Record Nr.	UNINA9910792255003321
Autore	Bernstein Joel <1941-2019.>
Titolo	Polymorphism in molecular crystals [[electronic resource] /] / Joel Bernstein
Pubbl/distr/stampa	Oxford, : Clarendon Press New York, : Oxford University Press, 2002
ISBN	1-281-34127-4 0-19-154501-5 9786611341275 0-19-923656-9
Descrizione fisica	1 online resource (429 p.)
Collana	International Union of Crystallography monographs on crystallography ; ; 14
Disciplina	548/.3
Soggetti	Polymorphism (Crystallography) Molecular crystals
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 (p. [308]-399) and index.
Nota di contenuto	Contents; 1 Introduction and historical background; 1.1 Introduction; 1.2 Definitions; 1.2.1 Polymorphism; 1.2.2 Pseudopolymorphism, solvates, and hydrates; 1.2.3 Conventions for naming polymorphs; 1.3 Is this material polymorphic?; 1.3.1 Occurrence of polymorphism; 1.3.2 Literature sources of polymorphic compounds; 1.3.3 Polymorphic compounds in the Cambridge Structural Database; 1.3.4 Powder Diffraction File; 1.3.5 Patent literature; 1.3.6 Polymorphism of elements and inorganic compounds; 1.3.7 Polymorphism in macromolecular crystals; 1.4 Historical perspective 1.5 Commercial/industrial importance of polymorphism-some additional comments 2 Fundamentals; 2.1 Introduction; 2.2 Thermodynamics of polymorphic molecular crystals; 2.2.1 The Phase Rule; 2.2.2 Thermodynamic relations in polymorphs; 2.2.3 Energy vs temperature diagrams-the Gibbs free energy; 2.2.4 Enantiotropism and monotropism; 2.2.5 Phase diagrams in terms of pressure and temperature; 2.2.6 Heat-of-transition rule; 2.2.7 Heat-of-fusion rule; 2.2.8 Entropy-of-fusion rule; 2.2.9 Heat-capacity rule; 2.2.10 Density

rule; 2.2.11 Infrared rule
2.3 Kinetic factors determining the formation of polymorphic modifications
2.4 Structural fundamentals; 2.4.1 Form vs habit; 2.4.2 Structural characterization and comparison of polymorphic systems; 2.4.3 Presentation of polymorphic structures for comparison; 3 Controlling the polymorphic form obtained; 3.1 General considerations; 3.2 Aggregation and nucleation; 3.3 Thermodynamic vs kinetic crystallization conditions; 3.4 Monotropism, enantiotropism, and crystallization strategy; 3.5 Concomitant polymorphs; 3.5.1 Crystallization methods and conditions
3.5.2 Examples of different classes of compounds
3.5.3 The structural approach; 3.6 Disappearing polymorphs; 3.7 Control of polymorphic crystallization by design; 4 Analytical techniques for studying and characterizing polymorphs; 4.1 Introduction; 4.2 Optical/hot stage microscopy; 4.3 Thermal methods; 4.4 X-ray crystallography; 4.5 Infrared spectroscopy; 4.6 Raman spectroscopy; 4.7 Solid state nuclear magnetic resonance (SSNMR) spectroscopy; 4.8 Scanning electron microscopy; 4.9 Atomic force microscopy (AFM) and scanning tunnelling microscopy (STM); 4.10 Density measurements
4.11 New technologies and 'hyphenated techniques'
4.12 Are two samples polymorphs of the same compound?; 4.13 Concluding remarks; 5 Conformational polymorphism: intra- and intermolecular energetics; 5.1 Introduction; 5.2 Molecular shape and energetics; 5.3 Intermolecular interactions and energetics; 5.4 The search for examples of conformational polymorphism; 5.5 Presenting and comparing conformational polymorphs; 5.6 Some examples of conformational polymorphism; 5.7 What are conformational polymorphs good for?; 5.8 Computational studies of the energetics of polymorphic systems
5.9 Some exemplary studies of conformational polymorphism

Sommario/riassunto

This book deals with polymorphism - the existence of different solid structures of the same chemical entity (for example graphite and diamond, both composed of carbon) which provide ideal systems for investigating the relationship between the structure and properties of a wide variety of materials. - ; Polymorphism - the multiplicity of structures or forms - is a term that is used in many disciplines. In chemistry it refers to the existence of more than one crystal structure for a particular chemical substance. The properties of a substance are determined by its composition and by its structure
