1. Record Nr. UNINA9910229859503321

Titolo	Australian animal protection law journal
Pubbl/distr/stampa	Beecroft, New South Wales, Australia : , : Lightoir Holdings Pty Ltd t/as Legal Bulletin Service, , [2008]- New South Wales, Australia : , : John Mancy t/as Legal Bulletin Service Balmain, NSW, Australia : , : John Mancy
Descrizione fisica	1 online resource (volumes)
Soggetti	Animals - Law and legislation - Australia Animals - Law and legislation Periodicals. Australia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico

2. Record Nr. UNINA9910983353403321

Autore	Shankaranarayanan Krishna
Titolo	Verification, Model Checking, and Abstract Interpretation : 26th International Conference, VMCAI 2025, Denver, CO, USA, January 20–21, 2025, Proceedings, Part II / / edited by Krishna Shankaranarayanan, Sriram Sankaranarayanan, Ashutosh Trivedi
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031827037 3031827031
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (458 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15530
Altri autori (Persone)	SankaranarayananSriram TrivediAshutosh
Disciplina	004.0151
Soggetti	Computer science Computer science - Mathematics Logic programming Computers, Special purpose Software engineering Theory of Computation Mathematics of Computing Logic in AI Special Purpose and Application-Based Systems Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The two-volume set LNCS 15529 and 15530 constitutes the proceedings of the 26th International Conference on Verification, Model Checking, and Abstract Interpretation, VMCAI 2025, held in Denver, CO, USA, during January 20–21, 2025. The 20 full papers together with 2 accepted tool papers and 18 full length regular and case-study papers presented in the proceedings were carefully reviewed and selected from 48 submissions. The program of VMCAI 2025 conference in the core areas of VMCAI including abstract interpretation,

		programming languages, hardware and software model checking, cyber-physical systems, formal synthesis, formal methods in artificial intelligence, concurrency and other areas.

3.	Record Nr.	UNINA9911019802903321
	Autore	Sangwal Keshra
	Titolo	Additives and crystallization processes : from fundamentals to applications / / Keshra Sangwal
	Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : Wiley, c2007
	ISBN	9786610974122 9781280974120 1280974125 9780470517833 0470517832 9780470517826 0470517824
	Descrizione fisica	1 online resource (469 p.)
	Disciplina	660/.284298
	Soggetti	Crystal growth Nucleation Additives Crystallization
	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 indexes.
	Nota di contenuto	Additives and Crystallization Processes; Contents; Preface; 1 Complexes in Solutions; 1.1 Structure of Common Solvents; 1.2 Structure of Pure Aqueous Electrolyte Solutions; 1.2.1 Solvation of Electrolyte Ions in Solutions; 1.2.2 Concentrated and Saturated Electrolyte Solutions; 1.2.3 Formation of Aquo and Partially Aquo Complexes; 1.3 Structure of Aqueous Electrolyte Solutions Containing Additives; 1.4 Polyelectrolytes and Surfactants in Solutions; 1.5 Polydentate Ligands and Molecular Additives; 1.6 Crystal-Additive Interactions; References

2 Three-Dimensional Nucleation and Metastable Zone Width2.1 Driving Force for Phase Transition; 2.2 Three-Dimensional Nucleation of Crystals; 2.2.1 Three-Dimensional Nucleation Rate; 2.2.2 Three-Dimensional Heterogeneous Nucleation; 2.3 Metastable Zone Width; 2.4 Nucleation and Transformation of Metastable Phases; 2.4.1 Crystallization of Metastable Phases; 2.4.2 Overall Crystallization; 2.5 Induction Period for Crystallization; 2.6 Effects of Additives; 2.6.1 Solubility; 2.6.2 Three-Dimensional Nucleation Rate; 2.6.3 Metastable Zone Width; References
3 Kinetics and Mechanism of Crystal Growth: An Overview3.1 Crystal Growth as a Kinetic Process; 3.2 Types of Crystal-Medium Interfaces; 3.3 Roughening of Steps and Surfaces; 3.3.1 Thermodynamic Roughening and the Surface Entropy Factor; 3.3.2 Kinetic Roughening; 3.4 Growth Kinetics of Rough Faces; 3.5 Growth Kinetics of Perfect Smooth Faces; 3.6 Growth Kinetics of Imperfect Smooth Faces; 3.6.1 Surface Diffusion and Direct Integration Models; 3.6.2 Bulk Diffusion Models; 3.6.3 Growth by a Group of Cooperating Screw Dislocations; 3.6.4 Preferential Growth at Edge Dislocations
3.7 Effect of Foreign Substances on Growth Kinetics3.7.1 Some General Considerations; 3.7.2 Growth Kinetics by Heterogeneous Two-Dimensional Nucleation; 3.8 Real Crystal Growth Mechanisms; 3.8.1 Structure of Interfacial Layer; 3.8.2 Sources of Growth Steps; 3.9 Techniques for Studying Growth Kinetics; References; 4 Effect of Impurities on Crystal Growth Kinetics; 4.1 Mobile and Immobile Impurities; 4.2 Surface Coverage and Adsorption Isotherms; 4.2.1 Adsorption Isotherms; 4.2.2 Changes in Surface Free Energy by Adsorption of Impurities; 4.3 Kinetic Models of Impurity Adsorption 4.3.1 Earlier Models4.3.2 Velocity of Curved Steps; 4.3.3 Impurity Adsorption at Kinks in Steps: Kubota-Mullin Model; 4.3.4 Impurity Adsorption at Surface Terrace: Cabrera-Vermilyea Model; 4.3.5 Effectiveness Factor for Impurity Adsorption; 4.3.6 Adsorption of Two Competing Impurities; 4.4 Confrontation of Impurity Adsorption Mechanisms with Experimental Data; 4.5 Time-Dependent Impurity Adsorption; 4.6 Growth Kinetics in the Presence of Impurities; 4.6.1 Basic Kinetic Equations; 4.6.2 Time Dependence of Face Displacement 4.6.3 Dependence of Kinetic Coefficient for Step Motion on Impurity Concentration

Sommario/riassunto

Crystal growth technology involves processes for the production of crystals essential for microelectronics, communication technologies, lasers and energy producing and energy saving technology. A deliberately added impurity is called an additive and in different industries these affect the process of crystal growth. Thus, understanding of interactions between additives and the crystallizing phases is important in different processes found in the lab, nature and in various industries. This book presents a generalized description of the mechanisms of action of additives during nucleation, grow