

1. Record Nr.	UNISA996466681603316
Autore	Kalikmanov V.I
Titolo	Nucleation Theory [[electronic resource] /] / by V.I. Kalikmanov
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2013
ISBN	90-481-3643-1
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XV, 316 p. 83 illus., 12 illus. in color.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 860
Disciplina	548.5
Soggetti	Amorphous substances Complex fluids Physical chemistry Mathematical physics Continuum physics Soft and Granular Matter, Complex Fluids and Microfluidics Physical Chemistry Theoretical, Mathematical and Computational Physics Classical and Continuum Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Thermodynamics of a two-phase system -- Classical nucleation theory -- Nucleation theorems -- Density functional theory -- Extended modified drop model and dynamic nucleation theory -- Semi-phenomenological approach: mean-field kinetic nucleation theory -- Computer simulations of nucleation -- Nucleation at high supersaturations -- Argon nucleation -- Binary nucleation - General case -- Binary nucleation with supercritical fluids: coarse-grained nucleation theory -- Multi-component nucleation -- Heterogeneous nucleation.
Sommario/riassunto	This monograph covers the major available routes of theoretical research of nucleation phenomena—phenomenological models, semi-phenomenological theories, density functional theories and microscopic approaches—with emphasis on the formation of liquid droplets from a metastable vapor. It also illustrates the application of these various approaches to experimentally relevant

problems.

In spite of familiarity with the involved phenomena, it is still not possible to accurately calculate nucleation rate, as the properties of the daughter phase are insufficiently known. Existing theories based upon the classical nucleation theory have on the whole explained the trends in behavior correctly. However, they often fail spectacularly to account for new data, in particular in the case of binary or, more generally, multi-component nucleation. This book challenges such classical models and provides a more satisfactory description by using density functional theory and microscopic computer simulations to describe the properties of small clusters. Also, semi-phenomenological models are proposed that relate the properties of small clusters to known properties of the bulk phases.

This monograph is an introduction as well as a compendium to researchers in the areas of soft condensed matter physics, chemical physics, graduate and post-graduate students in physics and chemistry starting on research in the area of nucleation, and to experimentalists wishing to gain a better understanding of the recent developments being made to account for their data.

2. Record Nr.	UNINA9910824338203321
Autore	Challis David M.
Titolo	Foreign currency volatility and the market for French modernist art // by David M. Challis
Pubbl/distr/stampa	Leiden ; Boston : , : Brill, , [2021] ©2021
Descrizione fisica	1 online resource
Collana	Studies in the history of collecting & art markets ; ; Volume 12
Disciplina	707.50944
Soggetti	Art - France - Marketing - History - 20th century France Economic conditions 1918-1945
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on the author's dissertation (Ph.D.)--University of Melbourne, 2018, under the title: Moving mountains : interwar collecting of French modernist art and the economics of translocation. Includes bibliographical references and index.
Nota di bibliografia	
Nota di contenuto	Economic Disruption and the Monetisation of French Collections -- Samuel Courtauld as Private Collector and Public Donor -- Albert Barnes as Currency Opportunist and 'Visionary Art Educator' -- Kojiro Matsukata and the Economics of Rodin in Japan -- Institutional Inertia and the National Gallery of Victoria in Australia -- Assis Chateaubriand at the Museu de Sao Paulo and the Turn Toward Brazilian Modernism.
Sommario/riassunto	Foreign Currency Volatility and the Market for French Modernist Art examines how the collapse of the French franc in the decades following the First World War activated powerful 'push' and 'pull' economic forces that compelled French art collectors to monetise their collections while simultaneously elevating the purchasing power of international art collectors. These factors are shown to have played a significant, and previously under-recognised role, in the large-scale translocation of French modernist art that radically accelerated its commercial and critical reception across the globe and positioned it at the apex of the newly established hierarchy of modern art.