1. Record Nr. UNINA9910583463903321

Autore	Nofar Mohammadreza <1983->
Titolo	Polylactide foams : fundamentals, manufacturing, and applications / / Mohammadreza Nofar, Chul B. Park
Pubbl/distr/stampa	Oxford, [England] : , : William Andrew, , 2018 ©2018
ISBN	0-12-813992-7
Descrizione fisica	1 online resource (274 pages) : illustrations (some color)
Collana	Plastics Design Library
Disciplina	660.28304
Soggetti	Foamed materials Foam - Industrial applications Polylactic acid
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr. UNISALENTO991002037239707536

Autore	Secchia, Pietro
Titolo	Le armi del fascismo : 1921-1971 / Pietro Secchia
Pubbl/distr/stampa	Milano : Feltrinelli, 1971
Descrizione fisica	173 p. ; 18 cm.
Collana	Universale economica
Disciplina	945.91
Soggetti	Fascismo - Storia Neofascismo - Italia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910554867603321

Autore	Bormashenko Edward Yu.
Titolo	Physics of Wetting : Phenomena and Applications of Fluids on Surfaces / / Edward Yu. Bormashenko
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter, , [2017] ©2017
ISBN	3-11-043716-3 3-11-044481-X
Descrizione fisica	1 online resource (254 pages) : illustrations
Collana	De Gruyter Textbook
Disciplina	530.4 530.417
Soggetti	Wetting Surface tension Capillarity Surfaces (Technology)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Preface -- Contents -- Symbol index -- 1. What is surface tension? -- 2. Wetting of surfaces: the contact angle -- 3. Surface tension-assisted floating of heavy and light objects and walking of water striders -- 4. Capillary interactions between particles. Particles placed on liquid surfaces. Elasticity of liquid surfaces, covered by colloidal particles -- 5. Capillary waves -- 6. Oscillation of droplets -- 7. Marangoni flow and surface instabilities -- 8. Evaporation of droplets. The Kelvin and the coffee-stain effects -- 9. Condensation, growth and coalescence of droplets and the breath-figure self-assembly -- 10. Dynamics of wetting: bouncing, spreading and rolling of droplets (water hammer effect - water entry and drag-out problems) -- 11. Superhydrophobicity and superoleophobicity: the Wenzel and Cassie wetting regimes -- 12. The Leidenfrost effect. Liquid marbles: self-propulsion -- 13. Physics, geometry, life and death of soap films and bubbles -- Index
Sommario/riassunto	Motivated by a plethora of phenomena from nature, this textbook introduces into the physics of wetting of surfaces. After a brief discussion of the foundations of surface tension, its implementation for floating objects, capillary waves, bouncing droplets, walking of water striders, etc. is discussed. Furthermore, Marangoni flows, surface tension inspired instabilities, condensation and evaporation of droplets, liquid marbles, superhydrophobicity and superoleophobicity (lotus effect) are introduced. All relevant concepts are illustrated by the numerous qualitative and quantitative exercises. ContentsWhat is surface tension?Wetting of surfaces: the contact angleSurface tension-assisted floating of heavy and light objects and walking of water stridersCapillary interactions between particles. Particles placed on liquid surfaces. Elasticity of liquid surfaces, covered by colloidal particlesCapillary wavesOscillation of dropletsMarangoni flow and surface instabilitiesEvaporation of droplets. The Kelvin and the coffee-stain effectsCondensation, growth and coalescence of droplets and the breath-figure self-assemblyDynamics of wetting: bouncing, spreading and rolling of droplets (water hammer effect - water entry and drag-out problems)Superhydrophobicity and superoleophobicity: the Wenzel and Cassie wetting regimesThe Leidenfrost effect. Liquid marbles: self-propulsionPhysics, geometry, life and death of soap films and bubbles