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Titolo	Population dynamics in Europe Current Issues in Population Geography / edited by P. Hooimeijer, G.A. van der Knaap, J. van Weesep, R.I. Woods
Pubbl/distr/stampa	Utrecht : Royal Netherlands Geograph. Soc., 1994
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Descrizione fisica	185 p. ; 24 cm
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Lingua di pubblicazione	Inglese
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Titolo	Applied surface thermodynamics
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ISBN	0-429-12472-4 1-5231-2048-7 1-282-90220-2 9786612902208 1-4200-0966-4
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Descrizione fisica	1 online resource (768 p.)
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Altri autori (Persone)	NeumannA. W <1933-> (A. Wilhelm) DavidRobert <1977->
 ZuoYi <1976->
Disciplina	541/.33 621.4021
Soggetti	Contact angle Surface chemistry Surface tension Surfaces (Physics) Thermodynamics

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Formato	Materiale a stampa
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Nota di contenuto	Front cover; Contents; Preface; Editors; Contributors; Chapter 1. Outline of the Generalized Theory of Capillarity; Chapter 2. Thermodynamics of Simple Axisymmetric Capillary Systems; Chapter 3. Axisymmetric Drop Shape Analysis (ADSA); Chapter 4. Image Analysis for Axisymmetric Drop Shape Analysis; Chapter 5. Generalization and Advanced Application of Axisymmetric Drop Shape Analysis; Chapter 6. Contact Angle Measurements: General Procedures and Approaches; Chapter 7. Thermodynamic Status of Contact Angles; Chapter 8. Interpretation of Contact Angles Chapter 9. Contact Angles and Solid Surface TensionsChapter 10. Theoretical Approaches for Estimating Solid- Liquid Interfacial Tensions; Chapter 11. Wettability and Surface Tension of Particles; Chapter 12. Behavior of Particles at Solidification Fronts; Chapter 13. Line Tension and the Drop Size Dependence of Contact Angles; Index; Back cover
Sommario/riassunto	Surface thermodynamics forms the foundation of any meaningful study of capillarity and wetting phenomena. The second edition of Applied Surface Thermodynamics offers a comprehensive state-of-the-art treatment of this critical topic. It provides students and researchers with fundamental knowledge and practical guidelines in solving real-world problems related to the measurement and interpretation of interfacial properties. Containing 40 percent new material and reorganized content, this second edition begins by presenting a generalized Gibbs theory of ca