Record Nr. UNINA9910877707603321 Autore Rosen Milton J Titolo Surfactants and interfacial phenomena // Milton J. Rosen, Joy T. Kunjappu Hoboken, N.J., : Wiley, 2012 Pubbl/distr/stampa **ISBN** 1-5231-1105-4 1-283-44629-4 9786613446299 1-118-22902-9 1-118-22892-8 1-118-22893-6 Edizione [4th ed.] Descrizione fisica 1 online resource (618 p.) TEC009010 Classificazione Altri autori (Persone) KunjappuJoy T Disciplina 668/.1 Soggetti Surface active agents Surface chemistry 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 index. Nota di contenuto Machine generated contents note: Preface 1. Characteristic Features of Surfactants 2. Adsorption of Surface-Active Agents at Interfaces: The Electrical Double Layer 3. Micelle Formation by Surfactants 4. Solubilization by Solutions of Surfactants: Micellar Catalysis 5. Reduction of Surface and Interfacial Tension by Surfactants 6. Wetting and Its Modification by Surfactants 7. Foaming and Antifoaming by Aqueous Solutions of Surfactants 8. Emulsification by Surfactants 9. Dispersion and Aggregation of Solids in Liquid Media by Surfactants 10. Detergency and Its Modification by Surfactants 11. Molecular Interactions and Synergism in Mixture of Two Surfactants 12. Gemini Surfactants 13. Surfactants in Biology 14. Surfactants in Nanotechnology 15. Surfactants and Molecular Modeling Answers to Selected Problems Index. Sommario/riassunto "This book provides an easy-to-read, user-friendly resource for industrial chemists and a text for classroom use, and is an unparalleled tool for understanding and applying the latest information on

surfactants. Problems are included at the end of each chapter to

enhance the reader's understanding, along with many tables of data that are not compiled elsewhere. Only the minimum mathematics is used in the explanation of topics to make it easy-to-understand and very user friendly"--