so microscope attracted much interest for many decades. The degree of resolution in microscopy has indeed increased from a few hundred to almost a million times. Thus, techniques like electron microscope allowed us to see molecular resolution. Probably no other scientific techniques have contributed so much to scientific developments in biology, medicine and material science as the microscopic techniques. *Scanning Probe Microscopes: Applications in Science and Technology* deals with one of the latest developed microscopy technique called scanning probe microscopy.

The book opens with an introduction to the history of microscopy and the scanning probe microscopes (SPMs). The basics of scanning tunnelling microscope (STM), atomic force microscope (AFM), friction force microscopy (FFM) are discussed. Each subsequent chapter is related to different kinds of molecular species and systems. The lipid like molecules and self-assembly monolayers (SAMs) are described in the chapter 3. DNA is one of most important molecules for genetic evolution and mankind and the very first image of DNA was actually obtained by using SPM. The applications of SPMs in understanding the structure of biopolymers and synthetic biopolymers are described in the subsequent chapter.

The applications of STM and AFM to the studies of crystal structures have been of much interest. The chapters 5 and 6 provide summarized information on the crystal structures by STM and AFM, and studies of solid surfaces by SPMs, respectively. In recent years, number of different applications in the areas of STM, SFM and AFM has increased appreciably. The last chapter of the book is focussed on the diverse applications of SPMs and nanotechnology.

In conclusion, the book provides systematic coverage and in-depth information on the various aspects of SPM applications in science & technology and can be excellent resource for all the persons working in this exciting field.

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S. H. Yalkowsky, Y. He (Eds.), Handbook of Aqueous Solubility Data, CRC Press, Boca Raton, USA, 2003 (v+ 1496 pp., \$319.95/£183.00, ISBN 0-8493-1532-8)

The Handbook of Aqueous Solubility Data is an extensive compilation of published data for the solubility of a wide variety of organic nonelectrolytes and unionized weak electrolytes in water. It includes data for pharmaceuticals, pollutants, nutrients, herbicides, pesticides, and agricultural, industrial, and energy-related compounds. This hand book contains over 16,000 solubility records for more than 4000 compounds and is divided into 5 parts on solubility data, reference, and three indices.

Each compound is identified in this handbook by a sequential number along with molecular formula, compound name, synonyms, molecular weight, Chemical Abstracts Service Registry Number, melting point, and boiling point if available. The compounds are sorted by their molecular formula using the Hill system. Each compound can contain up to five synonyms. This is followed by the Chemical Abstracts Service Registry Number (RN), melting point (MP) in Celsius, molecular weight (MW), and boiling point (BP) in Celsius. Multiple values are presented whenever available. These are sorted by temperature and then by reference source.

The reference citation is given as a four-character code in which the first character is alphabetic, referring to the first author's last name, and the next three are numeric. The complete reference citation is provided in the Reference section. The detailed source reference about the relative compound can be found conveniently in this way.

Each entry has a 5-point evaluation score for reporting of the data, the full citation, and comments from the authors when necessary. A 5-point evaluation is provided for quality of the reporting of temperature (T), purity of solute (P), equilibration time/agitation (E), analysis (A), and accuracy and/or precision (A). Entries in the indices are referenced to the compound sequential numbers, not to page numbers.

For user convenience, all solubility data are converted to moles per liter and grams per liter and the reported numerical temperature values are converted to Celsius. The alphabetization of chemical names and plenty of entries offer completely extensive information of aqueous solubility data expediently. This book is suitable for the researchers in the fields of chemistry and related areas.

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