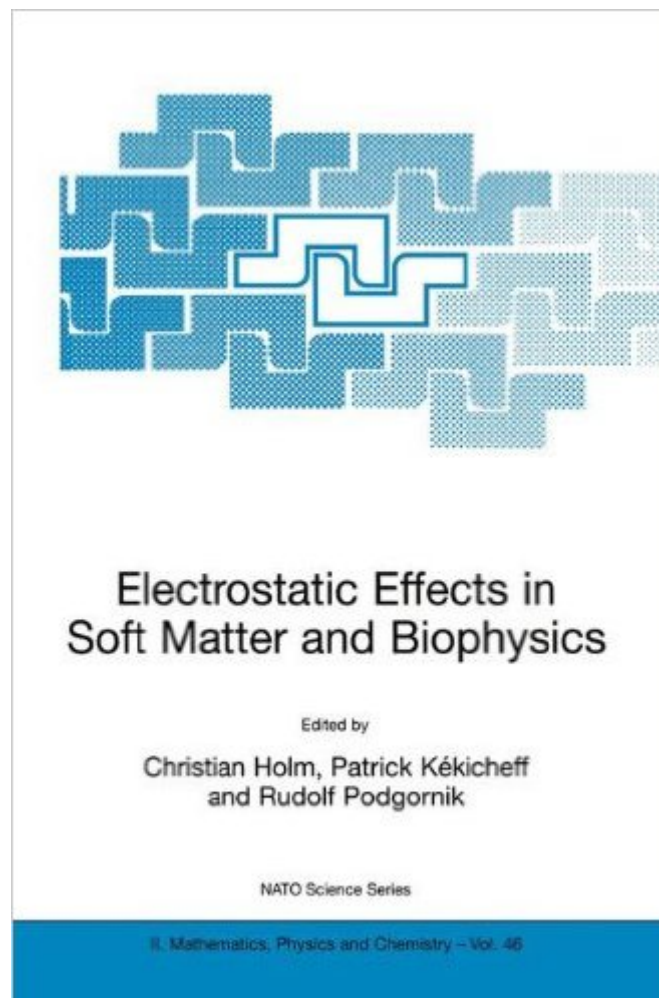


The book was found

Electrostatic Effects In Soft Matter And Biophysics: Proceedings Of The NATO Advanced Research Workshop On Electrostatic Effects In Soft Matter And ... 1-13 October 2000 (Nato Science Series II:)





Synopsis

Soft Condensed Matter commonly deals with materials that are mechanically soft and, more importantly, particularly prone to thermal fluctuation effects. Charged soft matter systems are especially interesting: they can be manufactured artificially as polyelectrolytes to serve as superabsorbers in dypers, as flocculation and retention agents, as thickeners and gelling agents, and as oil-recovery process aids. They are also abundant in living organisms, mostly performing important structural (e.g. membranes) and functional (e.g. DNA) tasks. The book describes the many areas in soft matter and biophysics where electrostatic interactions play an important role. It offers in-depth coverage of recent theoretical approaches, advances in computer simulation, and novel experimental techniques. Readership: Advanced undergraduate level in physics, physical chemistry, and theoretical biochemistry.

Book Information

Series: Nato Science Series II: (Book 46)

Hardcover: 510 pages

Publisher: Springer; 2001 edition (November 27, 2001)

Language: English

ISBN-10: 1402001967

ISBN-13: 978-1402001963

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #10,058,825 in Books (See Top 100 in Books) #64 in Books > Science & Math > Biological Sciences > Bioelectricity #2474 in Books > Science & Math > Physics > Nuclear Physics > Atomic & Nuclear Physics #2526 in Books > Science & Math > Physics > Electromagnetism > Electricity

[Download to continue reading...](#)

Electrostatic Effects in Soft Matter and Biophysics: Proceedings of the NATO Advanced Research Workshop on Electrostatic Effects in Soft Matter and ... 1-13 October 2000 (Nato Science Series II:) Metamaterials and Plasmonics: Fundamentals, Modelling, Applications (NATO Science for Peace and Security Series B: Physics and Biophysics) Electric Motors in the Home Workshop: A Practical Guide to Methods of Utilizing Readily Available Electric Motors in Typical Small Workshop Applications (Workshop Practice Series) The Semantic Web - ISWC 2008: 7th International

Semantic Web Conference, ISWC 2008, Karlsruhe, Germany, October 26-30, 2008, Proceedings (Lecture Notes in Computer Science) Soft Condensed Matter (Oxford Master Series in Condensed Matter Physics, Vol. 6) Asthma - A Link Between Environment, Immunology, and the Airways: Proceedings of the XVIth World Congress of Asthma, Buenos Aires, October 17-20, 1999 Animal Genomics for Animal Health: International Symposium, Paris, October 2007: Proceedings (Developments in Biologicals, Vol. 132) Biophysics of Electron Transfer and Molecular Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) After Effects for Flash / Flash for After Effects: Dynamic Animation and Video with Adobe After Effects CS4 and Adobe Flash CS4 Professional Matter, Dark Matter, and Anti-Matter: In Search of the Hidden Universe (Springer Praxis Books) Magnetism and Synchrotron Radiation: Towards the Fourth Generation Light Sources: Proceedings of the 6th International School "Synchrotron Radiation ... 2012 (Springer Proceedings in Physics) Information Processing in Medical Imaging: Proceedings of the 8th conference, Brussels, 29 August - 2 September 1983 (Proceedings of the Eighth Conference, Brussels, 29 August-2) Elementary Stochastic Calculus With Finance in View (Advanced Series on Statistical Science & Applied Probability, Vol 6) (Advanced Series on Statistical Science and Applied Probability) INDUSTRIAL ELECTROSTATICS: FUNDAMENTALS AND MEASUREMENTS (Electrostatics & Electrostatic Applications) International Workshop on X-Ray and Neutron Phase Imaging with Gratings (AIP Conference Proceedings) Language Constructs for Describing Features: Proceedings of the FIREworks workshop Immunologic Aspects of Dental Caries: Workshop Proceedings Subaru Legacy & Forester: Legacy 2000 thru 2009 - Forester 2000 thru 2008 - Includes Legacy Outback and Baja (Haynes Repair Manual) El Capitán en Calzoncillos y el diabólico desquite del Inodoro-Turbo en 2000: (Spanish language edition of Captain Underpants and the Tyrannical Retaliation of the Turbo Toilet 2000) (Spanish Edition) Standard Catalog of American Light-Duty Trucks: Pickups, Panels, Vans, All Models 1896-2000 (Standard Catalog of American Light-Duty Trucks, 1896-2000)

[Dmca](#)