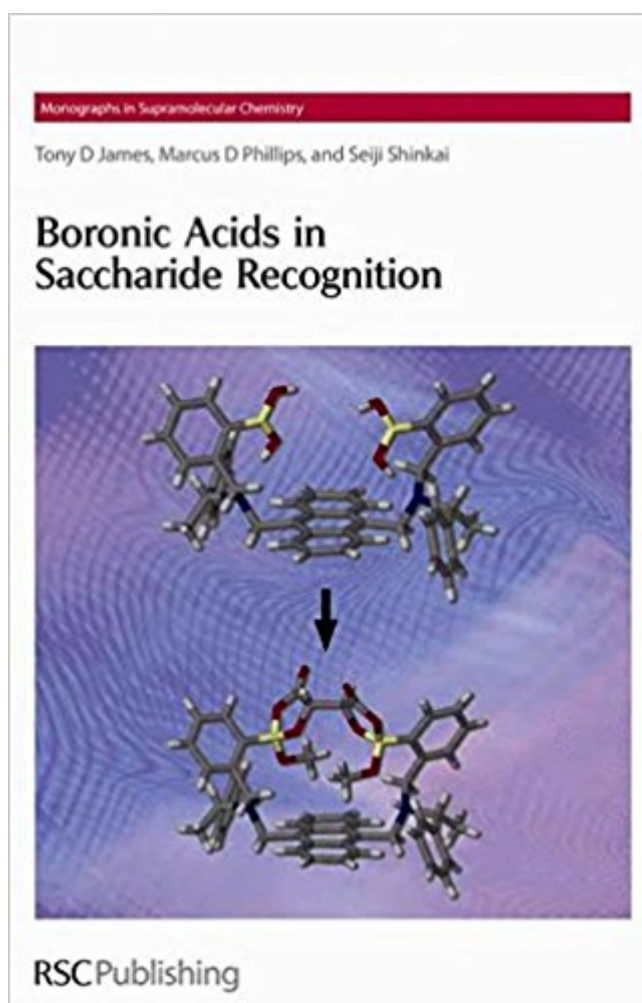


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Boronic Acids In Saccharide Recognition: RSC (Monographs In Supramolecular Chemistry)



Synopsis

The desire to quantify the presence of analytes within diverse physiological, environmental and industrial systems has led to the development of many novel detection methods. In this arena, saccharide analysis has exploited the pair-wise interaction between boronic acids and saccharides. *Boronic Acids in Saccharide Recognition* provides a comprehensive review and critical analysis of the current developments in this field. It also assesses the potential of this innovative approach, outlining future lines of research and possible applications. Topics include: the molecular recognition of saccharides, the complexation of boronic acids with saccharides, fluorescent sensors and the modular construct of fluorescent sensors, further sensory systems for saccharide recognition and an extensive bibliography. This high level book is ideal for researchers both academic and industrial who require a comprehensive overview of the subject.

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An impressive compilation of the numerous and varied approaches for using boronic acids for sensing of saccharides particularly timely.....a balanced and comprehensive collection of where the field began, how it has grown, and where it currently stands.....they provide compelling reasons for studying this often overlooked class of compounds. Without a doubt, this monograph is a great introduction for anyone interested in using boronic acids for sugar sensing. (Journal of the American Chemical Society, Vol.129, No.35, 2007 (John J Lavigne))

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