

Making Crystals by Design, Methods, Techniques and Applications.

Edited by Dario Braga and Fabrizia Grepioni. Wiley-VCH Verlag GmbH: Weinheim. 2007. 347 + xiv pp. Euro 149. ISBN 978-3-527-31506-2.

Process chemists who are interested in topics such as crystallisation and polymorphism will find little of direct interest in this multi-author work. The exception is the section by Dario Braga and Joel Bernstein on “Crystal Polymorphism: Challenges at the Crossroads of Science and Technology”. However, this part of a chapter, at only 22 pages, is far too short.

Section 3 comprises “Characterisations and Applications” and, apart from the above-mentioned section, includes others on “Diffraction Studies in Crystal Engineering” and a very comprehensive review of “Solid State NMR”. This includes discussion of the advantages and disadvantages of NMR and an interesting section on enantiomer resolution by SSNMR.

The earlier sections on “Geometry and Energetics” and “Design and Reactivity” focus on supramolecular chemistry and only the small sections which discuss cocrystals will be relevant to industrial readers.

In conclusion, the book, though academically interesting and well written, is unlikely to be of interest to process R&D chemists and engineers.

OP7001003

10.1021/op7001003

*Unsigned book reviews are by the Editor.