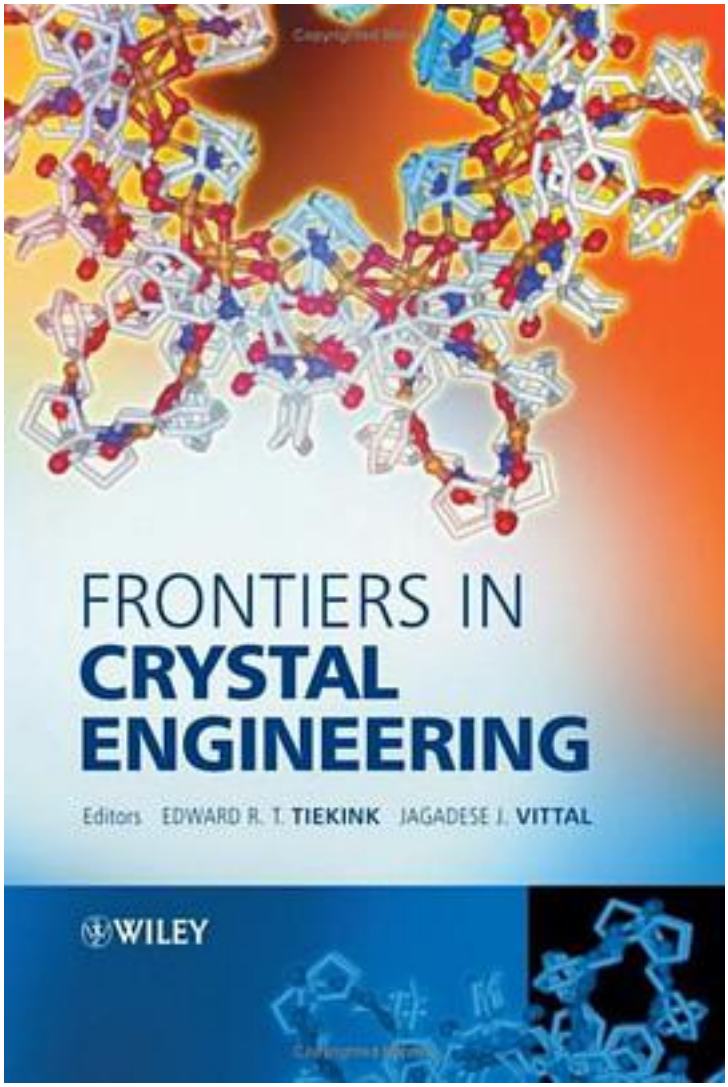
Frontiers in Crystal Engineering



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著者:Tiekink, Edward R. T. (EDT)/ Vittal, Jagadese J. (EDT)

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Crystal engineering - where the myriad of intermolecular forces operating in the solid-state are employed to design new nano- and functional materials - is a key new technology with implications for catalysis, pharmaceuticals, synthesis and materials science. "Frontiers in Crystal Engineering" gathers personal perspectives, from international specialists working in molecular aspects of crystal engineering, on the practical and theoretical challenges of the discipline, and future prospects. These demonstrate the approaches that are being used to tackle the problems associated with the complexity, design and functionality of crystalline molecular solids. Topics include how intermolecular forces direct and sustain crystal structures functional engineering and design elements coordination polymers and network structures applications in green and pharmaceutical chemistry. "Frontiers in Crystal Engineering" is a useful guide to this exciting new discipline for both entrants to the field as well as established practitioners, and for those working in crystallography, medicinal and pharmaceutical sciences, solid-state chemistry, and materials and nanotechnology.

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