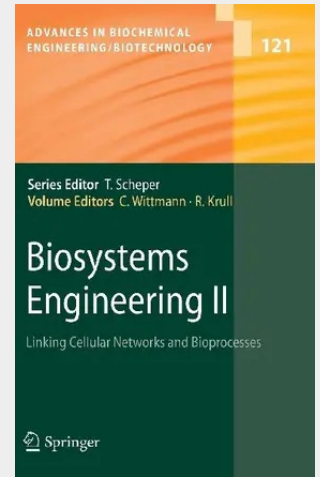


Biosystems Engineering II

Linking Cellular Networks and Bioprocesses

-Morphology of Filamentous Fungi: Linking Cellular Biology to Process Engineering Using *Aspergillus niger*, By Rainer Krull, Christiana Cordes, Harald Horn, Ingo Kampen, Arno Kwade, Thomas R. Neu, and Bernd Nörtemann; -Multi-Scale Spatio-Temporal Modeling: Lifelines of Microorganisms in Bioreactors and Tracking Molecules in Cells, By Alexei Lapin, Michael Klann, and Matthias Reuss; -Impact of Profiling Technologies in the Understanding of Recombinant Protein Production, By Chandran Vijayendran and Erwin Flaschel -Engineering the *Escherichia coli* Fermentative Metabolism, By M. Orenco-Trejo, J. Utrilla, M.T. Fernández-Sandoval, G. Huerta-Beristain, G. Gosset, and A. Martinez; -Modeling Languages for Biochemical Network Simulation: Reaction vs Equation Based Approaches, By Wolfgang Wiechert, Stephan Noack, and Atya Elsheikh; -Impact of Thermodynamic Principles in Systems Biology, By J.J. Heijnen;

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