

tions

ing general principles formulation to design for synthetic and nat-Pareto optimal chasural modular design sis and modules Design ModCell2-MILP: individ-Identify optimal solutions to design manipulauniversal chassis and define key metabolic

interfaces

Multi-

ModCell2

objective optimization

Modcell2-HPC: Design chassis for hundredths of endoge-

nous products provid-

Modular design principles in metabolic engineering for efficient and robust systems