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Descrizione fisica	1 online resource (281 p.)
Disciplina	572.4
Soggetti	Metabolism - Regulation Metabolism - Testing
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mathematical optimization fundamentals -- Linear programming and duality theory -- Flux balance analysis and LP problems -- Modeling with binary variables and MILP -- Thermodynamic analysis of metabolic networks -- Resolving network gaps and growth prediction inconsistencies in metabolic networks -- Identification and construction of pathways to target metabolites -- Computational strain design -- NLP fundamentals -- NLP applications in metabolic networks -- MINLP fundamentals and applications.