1.	Record Nr.	UNISALENTO991002876279707536
	Titolo	Large-scale networks in engineering and life sciences / Peter Benner editor ... [et al.]
	Pubbl/distr/stampa	New York : Birkhauser, c2014
	ISBN	9783319084367
	Descrizione fisica	xiv, 388 p. : ill. ; 24 cm
	Collana	Modeling and simulation in science, engineering and technology
	Altri autori (Persone)	Benner, Peter, editor Findeisen, Rolf, editor Flockerzi, Dietrich, 1951-, editor Reichl, Udo, editor Sundmacher, Kai, editor
	Disciplina	003.71
	Soggetti	Large scale systems Engineering - Computer networks Life sciences - Computer networks
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references
	Nota di contenuto	Preface -- 1. Introduction to the Geometric Theory of ODEs with Applications to Chemical Processes, Dietrich Flockerzi -- 2. Mathematical Modeling and Analysis of Nonlinear Time-Invariant RLC Circuits, Timo Reis -- 3. Interacting with Networks of Mobile Agents, Magnus Egerstedt, Jean-Pierre de la Croix, Hiroaki Kawashima, and Peter Kingston -- 4. Combinatorial optimization: the interplay of graph theory, linear and integer programming illustrated on network flow, Annegret K. Wagler -- 5. Stoichiometric and Constraint-based Analysis of Biochemical Reaction Networks, Steffen Klamt, Oliver HaÌdicke and Axel von Kamp -- 6. A Petri Net based Framework for Biomodel Engineering, Mary Ann BlaÌtke, Christian Rohr, Monika Heiner and Wolfgang Marwan -- 7. Hybrid Modeling for Systems Biology: Theory and Practice, Moritz von Stosch, Nuno Carinhas and Rui Oliveira.