1.	Record Nr.	UNINA9910483610203321
	Titolo	Membrane Computing : 5th International Workshop, WMC 2004, Milan, Italy, June 14-16, 2004, Revised Selected and Invited Papers / / edited by Giancarlo Mauri, Gheorghe Paun, Mario J. Pérez-Jiménez, Grzegorz Rozenberg, Arto Salomaa
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
	Edizione	[1st ed. 2005.]
	Descrizione fisica	1 online resource (X, 413 p.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3365
	Altri autori (Persone)	MauriGian Carlo
	Disciplina	004.1
	Soggetti	Computer science Machine theory Computer simulation Bioinformatics Theory of Computation Formal Languages and Automata Theory Computer Modelling
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Invited Lectures -- ?P Systems and Typed ?-Calculus -- P Automata -- Asynchronous P Systems and P Systems Working in the Sequential Mode -- Evolution and Oscillation in P Systems: Applications to Biological Phenomena -- An Approach to Computational Complexity in Membrane Computing -- LMNtal: A Language Model with Links and Membranes -- Regular Presentations -- Executable Specifications of P Systems -- On the Efficiency of P Systems with Active Membranes and Two Polarizations -- Communicative P Systems with Minimal Cooperation -- Ultimately Confluent Rewriting Systems. Parallel Multiset–Rewriting with Permitting or Forbidding Contexts -- Unstable P Systems: Applications to Linguistics -- A P System Description of the Sodium-Potassium Pump -- Inhibiting/De-inhibiting Rules in P Systems -- Time–Independent P Systems -- On Two-Dimensional Mesh Networks and Their Simulation with P Systems -- Exploring Computation Trees

Associated with P Systems -- Approximating Non-discrete P Systems -- Reducing the Size of Extended Gemmating P Systems -- P Systems Generating Trees -- On Descriptive Complexity of P Systems -- P Systems with Symport/Antiport: The Traces of RBCs -- Conservative Computations in Energy–Based P Systems -- General Multi-fuzzy Sets and Fuzzy Membrane Systems -- Trading Polarization for Bi-stable Catalysts in P Systems with Active Membranes -- Modelling Dynamic Organization of Biology-Inspired Multi-agent Systems with Communicating X-Machines and Population P Systems -- On the Size of P Systems with Minimal Symport/Antiport.