

1. Record Nr.	UNINA9910254831003321
Titolo	Bio-inspired Computing: Theories and Applications : 12th International Conference, BIC-TA 2017, Harbin, China, December 1–3, 2017, Proceedings // edited by Cheng He, Hongwei Mo, Linqiang Pan, Yuxin Zhao
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-7179-9
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XV, 638 p. 290 illus.)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 791
Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Computer simulation Artificial Intelligence Computer Modelling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Logic Operation Model of Complementer Based on Two-Domain DNA Strand Displacement -- TS-Preemption Threshold and Priority Optimization for the Process Scheduling in Integrated Modular Avionics -- An Apporach to the Bio-inspired Control of Self-Reconfigurable Robots.
Sommario/riassunto	This book constitutes the proceedings of the 12th International Conference on Bio-inspired Computing: Theories and Applications, BIC-TA 2017, held in Harbin, China, December 2017. The 50 full papers presented were selected from 143 submissions. The papers deal with studies abstracting computing ideas such as data structures, operations with data, ways to control operations, computing models from living phenomena or biological systems such as evolution, cells, tissues, neural networks, immune systems, and ant colonies.