

<<人工免疫系统>>

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 5th International Conference on Artificial Immune Systems, ICARIS 2006, held in Oeiras, Portugal in September 2006. The 34 revised full papers presented were carefully reviewed and selected from 60 submissions. The papers are organized in topical sections on computer simulation of classical immunology, computer simulation of idiotypic network, immunoinformatics conceptual papers, pattern recognition type of application, optimization type of application, control and time-series type of application, danger theory inspired application, and text mining application.

书籍目录

Computer Simulation of Classical Immunology Did Germinal Centers Evolve Under Differential Effects of Diversity vs Affinity? Modelling the Control of an Immune Response Through Cytokine Signalling
Modeling Influenza Viral Dynamics in Tissue Cellular Frustration: A New Conceptual Framework for Understanding Cell-Mediated Immune Responses The Swarming Body: Simulating the Decentralized Defenses of Immunity
Computer Simulation of Idiotypic Network Analysis of a Growth Model for Idiotypic Networks Randomly Evolving Idiotypic Networks: Analysis of Building Principles The Idiotypic Network with Binary Patterns Matching Tolerance vs Intolerance: How Affinity Defines Topology in an Idiotypic Network
Immunoinformatics Conceptual Papers On Permutation Masks in Hamming Negative Selection Gene Libraries: Coverage, Efficiency and Diversity Immune System Modeling: The 00 Way A Computational Model of Degeneracy in a Lymph Node Structural Properties of Shape-Spaces
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