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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Medical Databases and Information Systems -- Application of Three-Level Handprinted Documents Recognition in Medical Information Systems -- Data Management and Visualization Issues in a Fully Digital Echocardiography Laboratory -- A Framework Based on Web Services and Grid Technologies for Medical Image Registration -- Biomedical Image Processing Integration Through INBIOMED: A Web Services-Based Platform -- The Ontological Lens: Zooming in and out from Genomic to

Clinical Level -- Data Analysis and Image Processing -- Dynamics of Vertebral Column Observed by Stereovision and Recurrent Neural Network Model -- Endocardial Tracking in Contrast Echocardiography Using Optical Flow -- Unfolding of Virtual Endoscopy Using Ray-Template -- Knowledge Discovery and Data Mining -- Integration of Genetic and Medical Information Through a Web Crawler System -- Vertical Integration of Bioinformatics Tools and Information Processing on Analysis Outcome -- A Grid Infrastructure for Text Mining of Full Text Articles and Creation of a Knowledge Base of Gene Relations -- Prediction of the Performance of Human Liver Cell Bioreactors by Donor Organ Data -- A Bioinformatic Approach to Epigenetic Susceptibility in Non-disjunctional Diseases -- Foreseeing Promising Bio-medical Findings for Effective Applications of Data Mining -- Statistical Methods and Tools for Biomedical Data Analysis -- Hybridizing Sparse Component Analysis with Genetic Algorithms for Blind Source Separation -- Hardware Approach to the Artificial Hand Control Algorithm Realization -- Improving the Therapeutic Performance of a Medical Bayesian Network Using Noisy Threshold Models -- SVM Detection of Premature Ectopic Excitations Based on Modified PCA -- Decision Support Systems -- A Text Corpora-Based Estimation of the Familiarity of Health Terminology -- On Sample Size and Classification Accuracy: A Performance Comparison -- Influenza Forecast: Comparison of Case-Based Reasoning and Statistical Methods -- Tumor Classification from Gene Expression Data: A Coding-Based Multiclass Learning Approach -- Boosted Decision Trees for Diagnosis Type of Hypertension -- Markov Chains Pattern Recognition Approach Applied to the Medical Diagnosis Tasks -- Computer-Aided Sequential Diagnosis Using Fuzzy Relations -- Comparative Analysis of Methods -- Collaborative Systems in Biomedical Informatics -- Service Oriented Architecture for Biomedical Collaborative Research -- Simultaneous Scheduling of Replication and Computation for Bioinformatic Applications on the Grid -- The INFOBIOMED Network of Excellence: Developments for Facilitating Training and Mobility -- Bioinformatics: Computational Models -- Using Treemaps to Visualize Phylogenetic Trees -- An Ontological Approach to Represent Molecular Structure Information -- Focal Activity in Simulated LQT2 Models at Rapid Ventricular Pacing: Analysis of Cardiac Electrical Activity Using Grid-Based Computation -- Bioinformatics: Structural Analysis -- Extracting Molecular Diversity Between Populations Through Sequence Alignments -- Detection of Hydrophobic Clusters in Molecular Dynamics Protein Unfolding Simulations Using Association Rules -- Protein Secondary Structure Classifiers Fusion Using OWA -- Efficient Computation of Fitness Function by Pruning in Hydrophobic-Hydrophilic Model -- Evaluation of Fuzzy Measures in Profile Hidden Markov Models for Protein Sequences -- Bioinformatics: Microarray Data Analysis -- Relevance, Redundancy and Differential Prioritization in Feature Selection for Multiclass Gene Expression Data -- Gene Selection and Classification of Human Lymphoma from Microarray Data.-Microarray Data Analysis and Management in Colorectal Cancer.

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