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|-------------------------|---|
| 1. Record Nr.           | UNINA990009792000403321   |
| Autore                  | Fritzson, Peter   |
| Titolo                  | Principles of object-oriented modeling and simulation with Modelica 2.1 [Risorsa elettronica] / Peter Fritzson  |
| Pubbl/distr/stampa      | Piscataway, N. J. : IEEE Press<br>[New York] : Wiley-Interscience, 2004   |
| ISBN                    | 9780470545669   |
| Disciplina              | 005.117   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Risorsa elettronica   |
| Livello bibliografico   | Monografia  |
| 2. Record Nr.           | UNINA9910148812903321   |
| Autore                  | Regenbogen L.S  |
| Titolo                  | Diseases Affecting the Eye and the Kidney // editors, L.S. Regenbogen, H.E. Eliahou   |
| Pubbl/distr/stampa      | Basel : , : S. Karger, , 1993   |
| ISBN                    | 9783318046366<br>3318046361   |
| Edizione                | [1st ed.]   |
| Descrizione fisica      | 1 online resource (XVIII + 458 pages) : : 124 figures, 21 tables  |
| Altri autori (Persone)  | RegenbogenLucian S<br>EliahouHaskel E   |
| Disciplina              | 617.7/1   |
| Soggetti                | Pathology<br>Nephrology<br>Ophthalmology<br>Diabetes<br>Embryology<br>Genetics<br>Gerontology / Geriatrics<br>Hematology<br>Immunology<br>Infectious Diseases<br>Internal Medicine<br>Metabolic Diseases<br>Metabolism<br>Neurology |

Nursing  
Pediatrics

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Sommario/riassunto

'... this book is a gem that will be of great practical use to the consulting ophthalmologist and warrants a place next to the other available texts dealing with the eye in systemic disease.' American Journal of Ophthalmology ...' succeeds in achieving its principal goal - crossing interdisciplinary boundaries - and, anyway, it fills a niche in the literature on Nephrology and Ophthalmology. Acta Clinica Belgica

3. Record Nr.

UNINA9910746091903321

Autore

Lecca Paola <1973->

Titolo

Introduction to Mathematics for Computational Biology // by Paola Lecca, Bruno Carpentieri

Pubbl/distr/stampa

Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023

ISBN

9783031365669  
3031365666

Edizione

[1st ed. 2023.]

Descrizione fisica

1 online resource (268 pages)

Collana

Techniques in Life Science and Biomedicine for the Non-Expert, , 2367-1122

Altri autori (Persone)

CarpentieriB

Disciplina

570.285

Soggetti

Bioinformatics  
Biomathematics  
Biochemistry  
Biology - Technique  
Biophysics  
Computational and Systems Biology  
Mathematical and Computational Biology  
Biophysical Methods

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

## Nota di contenuto

1. Introduction to graph theory -- 2. Biological networks -- 3. Network inference for drug discovery- 4. Introduction to differential and integral calculus -- 5. Modelling chemical reactions -- 6. Reaction-diffusion systems -- 7. Linear algebra background -- 8. Regression -- 9. Cardiac electrophysiology -- .

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## Sommario/riassunto

This introductory guide provides a thorough explanation of the mathematics and algorithms used in standard data analysis techniques within systems biology, biochemistry, and biophysics. Each part of the book covers the mathematical background and practical applications of a given technique. Readers will gain an understanding of the mathematical and algorithmic steps needed to use these software tools appropriately and effectively, as well how to assess their specific circumstance and choose the optimal method and technology. Ideal for students planning for a career in research, early-career researchers, and established scientists undertaking interdisciplinary research. .

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