1. Record Nr. UNINA990009070890403321

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| Titolo | U & C. Unificazione e certificazione : mensile della normazione tecnica e della certificazione |
| Pubbl/distr/stampa | Milano, : C' Comunicazione srl |
| ISSN | 0394-9605 |
| Disciplina | 389.6 |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |

2. Record Nr. UNINA9911049094803321

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| Autore | Leszczynski Jerzy |
| Titolo | Springer Handbook of Chem- and Bioinformatics / / edited by Jerzy Leszczynski |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025 |
| ISBN | 3-031-81728-1 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (2767 pages) |
| Collana | Springer Handbooks, , 2522-8706 |
| Altri autori (Persone) | NatansonWojciech |
| Disciplina | 542.85 |
| Soggetti | Chemistry - Data processing<br>Bioinformatics<br>Cheminformatics<br>Molecules - Models<br>Machine learning<br>Computational Chemistry<br>Computational and Systems Biology<br>Molecular Modelling<br>Machine Learning |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

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| Nota di contenuto | 1 Computational Biology and Biochemistry -- 2 Cheminformatics I: Ligand-Based Molecular Modeling -- 3 Cheminformatics II: Structure-Based Molecular Modeling and Drug Design -- 4 Bioinformatics -- 5 Machine Learning, Artificial intelligence, and Big Data. |
| Sommario/riassunto | The Springer Handbook of Chem- and Bioinformatics provides an introduction as well as a detailed description of the application of various techniques used in chemo- and bioinformatics. It covers basic topics such as a discussion of computational techniques used in the predictions of structures, properties, and dynamics of small compounds, macromolecules, and their complexes. Diverse applications of Quantitative structure-activity relationships (QSAR) methods are also revealed. Various chapters offer specifics of current methodologies used by research labs in the pharmaceutical industry for drug design. Modern computational approaches taking advantage of searching big data, using artificial intelligence and machine learning are discussed, while the necessity of applying such advanced novel techniques for bio- and chemo-informatics is revealed. This handbook combines nicely together discussion and assessment of both closely related fields of modern informatics. It is a welcome addition to the university libraries, research institutes, as well as to basic textbook resources of individual researchers. The target audience includes students (both graduate and advanced undergraduate), university researchers, scientists working in private and governmental laboratories as well as a large group of developers from pharmaceutical and medical institutes and related industrial research centers. |