1. Record Nr. UNISA990003339420203316

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Titolo Pindar's Paeans : a reading of the fragments with a survey of the genre

/ Ian Rutherford

Pubbl/distr/stampa Oxford : Oxford University Press, 2001 (stampa 2008)

ISBN 978-0-19-814381-9

Descrizione fisica XVI, 546 p.; 22 cm

Disciplina 881.01

Collocazione V.1.A. 572

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Testo orig. a fronte

Record Nr. UNINA9910566475403321

Autore Strzelecki Micha

Titolo Machine Learning for Biomedical Application

Pubbl/distr/stampa Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022

Descrizione fisica 1 online resource (198 p.)

Soggetti Research & information: general

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Sommario/riassunto Biomedicine is a multidisciplinary branch of medical science that

consists of many scientific disciplines, e.g., biology, biotechnology, bioinformatics, and genetics; moreover, it covers various medical

specialties. In recent years, this field of science has developed rapidly. This means that a large amount of data has been generated, due to (among other reasons) the processing, analysis, and recognition of a wide range of biomedical signals and images obtained through increasingly advanced medical imaging devices. The analysis of these data requires the use of advanced IT methods, which include those related to the use of artificial intelligence, and in particular machine learning. It is a summary of the Special Issue "Machine Learning for Biomedical Application", briefly outlining selected applications of machine learning in the processing, analysis, and recognition of biomedical data, mostly regarding biosignals and medical images.