

1. Record Nr.	UNISA996418437903316
Autore	Putten Michel J. A. M. van
Titolo	Dynamics of neural networks : a mathematical and clinical approach / / Michel J. A. M. van Putten
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] Â©2020
ISBN	3-662-61184-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 259 p. 138 illus., 40 illus. in color.)
Disciplina	571.4
Soggetti	Biophysics Biomedical engineering Neurobiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I Physiology of neurons and synapses: Electrophysiology of the Neuron -- Synapses -- Part II Dynamics: Dynamics in one-dimension -- Dynamics in two-dimensional systems -- Part III Networks: Prototype neural networks -- Part IV The electroencephalogram: Basics of the EEG -- Neural mass modeling of the EEG -- Part V Pathology: Hypoxia and neuronal function -- Seizures and Epilepsy -- Part VI Neurostimulation: Neurostimulation -- Epilogue.
Sommario/riassunto	This book treats essentials from neurophysiology (Hodgkin–Huxley equations, synaptic transmission, prototype networks of neurons) and related mathematical concepts (dimensionality reductions, equilibria, bifurcations, limit cycles and phase plane analysis). This is subsequently applied in a clinical context, focusing on EEG generation, ischaemia, epilepsy and neurostimulation. The book is based on a graduate course taught by clinicians and mathematicians at the Institute of Technical Medicine at the University of Twente. Throughout the text, the author presents examples of neurological disorders in relation to applied mathematics to assist in disclosing various fundamental properties of the clinical reality at hand. Exercises are provided at the end of each chapter; answers are included. Basic knowledge of calculus, linear algebra, differential equations and

familiarity with MATLAB or Python is assumed. Also, students should have some understanding of essentials of (clinical) neurophysiology, although most concepts are summarized in the first chapters. The audience includes advanced undergraduate or graduate students in Biomedical Engineering, Technical Medicine and Biology. Applied mathematicians may find pleasure in learning about the neurophysiology and clinic essentials applications. In addition, clinicians with an interest in dynamics of neural networks may find this book useful, too.

2. Record Nr.	UNIORUON00018966
Autore	JACKSON, Abraham Valentine Williams
Titolo	Researches in Manichaeism : with special reference to the Turfan fragments / by A.V. Williams Jackson
Pubbl/distr/stampa	xxxviii, 393 p., 1 c. di tav., : ill. ; 23 cm
Edizione	[New York : AMS Press]
Descrizione fisica	Ripr. facs. dell'ed.: New York : Columbia Univ. Press, 1932
Classificazione	IR VII B
Soggetti	MANICHEISMO - TESTI MEDIOPERSIANI MANICHEISMO - SCRITTI ANTIMANICHEI MANICHEISMO
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNISALENTO991003846569707536
Autore	Bortoli, Bruno
Titolo	Teoria e storia del servizio sociale / Bruno Bortoli
Pubbl/distr/stampa	Roma : NIS, 1997
ISBN	8843005561
Descrizione fisica	207 p. ; 24 cm.
Collana	Il servizio sociale ; 51
Disciplina	361.3
Soggetti	Assistenza sociale - Storia Servizio sociale
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia