

1. Record Nr.	UNINA9910583051403321
Titolo	Engineering in medicine : advances and challenges // edited by Paul A. Iuzzo, Department of Surgery, Institute for Engineering in Medicine, University of Minnesota, Minneapolis, MN, United States
Pubbl/distr/stampa	London : , : Academic Press, , [2019] ©2019
ISBN	0-12-813514-X 0-12-813068-7
Descrizione fisica	1 online resource (602 pages) : illustrations (some color)
Soggetti	Biomedical engineering Medical instruments and apparatus
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Engineering in Medicine: Advances and Challenges documents the historical development, cutting-edge research and future perspectives on applying engineering technology to medical and healthcare challenges. The book has 22 chapters under 5 sections: cardiovascular engineering, neuroengineering, cellular and molecular bioengineering, medical and biological imaging, and medical devices. The challenges and future perspectives of engineering in medicine are discussed, with novel methodologies that have been implemented in innovative medical device development being described. This is an ideal general resource for biomedical engineering researchers at both universities and in industry as well as for undergraduate and graduate students -- Page 4 of cover.