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Titolo	Handbook of Electroporation / / edited by Damijan Miklavi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-32886-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (922 illus., 730 illus. in color. eReference.)
Collana	Springer reference
Disciplina	610.28
Soggetti	Biomedical engineering Electroporation Pharmaceutical technology Cell physiology Biophysics Biological physics Microbiology Biomedical Engineering and Bioengineering Pharmaceutical Sciences/Technology Cell Physiology Biological and Medical Physics, Biophysics Food Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 932 figures and 125 tables."
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This major reference work is a one-shot knowledge base on electroporation and the use of pulsed electric fields of high intensity and their use in biology, medicine, biotechnology, and food and environmental technologies. The Handbook offers a widespread and well-structured compilation of 156 chapters ranging from the foundations to applications in industry and hospital. It is edited and written by most prominent researchers in the field. With regular updates and growing in its volume it is suitable for academic readers and researchers regardless of their disciplinary expertise, and will also be accessible to students and serious general readers. The Handbook's

276 authors have established scholarly credentials and come from a wide range of disciplines. This is crucially important in a highly interdisciplinary field of electroporation and the use of pulsed electric fields of high intensity and its applications in different fields from medicine, biology, food processing, agriculture, process engineering, energy and environment. An Editorial Board of distinguished scholars from across the world has selected and reviewed the various chapters to ensure the highest quality of this Handbook. The book was edited by an international team of Section Editors: P. Thomas Vernier, Boris Rubinsky, Juergen Kolb, Damijan Miklavcic, Marie-Pierre Rols, Javier Raso, Richard Heller, Gregor Serša, Dietrich Knorr, and Eugene Vorobiev.