

1. Record Nr.	UNINA9910131571603321
Autore	Beyenal H.
Titolo	Biofilms in bioelectrochemical systems : from laboratory practice to data interpretation / / Haluk Beyenal, Jerome T. Babauta
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2015 ©2015
ISBN	1-119-09743-6 1-119-09742-8 1-119-09738-X
Descrizione fisica	1 online resource (464 p.)
Classificazione	TEC009010
Disciplina	621.31/24290284
Soggetti	Fuel cells - Materials Energy harvesting Biofilms - Industrial applications Bioelectrochemistry - Industrial applications Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Machine generated contents note: 1. Introduction to electrochemically active biofilms H Beyenal and J. Babauta 2. Theoretical and practical considerations for culturing Geobacter biofilms in microbial fuel cells and other bioelectrochemical systems Allison M. Speers and Gemma Reguera 3. Microbial Community Characterization on Polarized Electrode Surfaces John Regan 4. Characterization of Electrode-Associated Biomass and Microbial Communities Shino Suzuki, Shun'ichi Ishii and Orianna Bretschger 5. Biofilm electrochemistry J. Babauta and H. Beyenal 6. Theory of Redox Conduction and the Measurement of Electron Transport Rates through Electrochemically Active Biofilm Darryl A. Boyd, Jeffrey S. Erickson, Jared N. Roy, Rachel M. Snider, Sarah M. Strycharz-Glaven, and Leonard M. Tender 7. Electronic Conductivity in Living Biofilms: Physical Meaning, Mechanisms and Measurement Methods Nikhil S. Malvankar and Derek R. Lovley 8. Electrochemical Impedance Spectroscopy as a Powerful Analytical Tool for the Study of

Microbial Electrochemical Cells Rachel A. Yoho, Sudeep C. Popat, Francisco Fabregat-Santiago, Sixto Gimenez, Annemiek ter Heijne, and Cesar I. Torres 9. Modeling Electron transfer processes in biofilms Ryan Renslow, Jerome Babauta, Andrew Kuprat, Jim Schenk, Cornelius Ivory, Jim Fredrickson, and Haluk Beyenal 10. Applications of Bioelectrochemical Energy Harvesting in the Marine Environment Clare E. Reimers 11. Large Scale Benthic Microbial Fuel Cell Construction, Deployment, and Operation Jeff Kagan, Lewis Hsu, and Bart Chadwick .

Sommario/riassunto

"This book serves as a manual of research techniques for electrochemically active biofilm research. Using examples from real biofilm research to illustrate the techniques used for electrochemically active biofilms, this book is of most use to researchers and educators studying microbial fuel cell and bioelectrochemical systems. The book emphasizes the theoretical principles of bioelectrochemistry, experimental procedures and tools useful in quantifying electron transfer processes in biofilms, and mathematical modeling of electron transfer in biofilms. It is divided into three sections: Biofilms: Microbiology and microbioelectrochemistry - Focuses on the microbiologic aspect of electrochemically active biofilms and details the key points of biofilm preparation and electrochemical measurement. Electrochemical techniques to study electron transfer processes - Focuses on electrochemical characterization and data interpretation, highlighting key factors in the experimental procedures that affect reproducibility. Applications - Focuses on applications of electrochemically active biofilms and development of custom tools to study electrochemically active biofilms. Chapters detail how to build the reactors for applications and measure parameters. "--

2. Record Nr.	UNINA9910711895903321
Autore	Anderson James R (James Richard), <1919-1980, >
Titolo	A land-use classification system for use with remote sensor data / / by James R. Anderson, Ernest E. Hardy, and John T. Roach
Pubbl/distr/stampa	Washington : , : United States Department of the Interior, Geological Survey, , 1972
Descrizione fisica	1 online resource (iii, 16 pages)
Collana	Geological Survey circular ; ; 671
Soggetti	Land use - United States - Classification Remote sensing Land use Classification United States
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	"For the Inter-Agency Steering Committee on Land Use Information and Classification."
Nota di bibliografia	Includes bibliographical references (pages 15-16).

3. Record Nr.	UNICASVIA0060012
Autore	Booth, Wayne C.
Titolo	Retorica della narrativa / Wayne C. Booth
Pubbl/distr/stampa	Scandicci, : La nuova Italia, 1996
Titolo uniforme	The rhetoric of fiction
ISBN	8822117999
Descrizione fisica	XV, 557 p. ; 21 cm
Collana	Biblioteca di cultura ; 212 , . Teoria e analisi dei testi letterari ; 3
Disciplina	808.3
Soggetti	Letteratura narrativa - Retorica
Lingua di pubblicazione	Italiano
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