1. Record Nr. UNINA9910574099903321

Titolo	Bacteriophages in the control of food- and waterborne pathogens [[electronic resource] /] / edited by Parviz M. Sabour, Mansel W. Griffiths
Pubbl/distr/stampa	Washington, DC, : ASM Press, c2010
ISBN	1-68367-126-0 1-283-03433-6 9786613034335 1-61344-250-5 1-55581-662-2
Descrizione fisica	1 online resource (366 p.)
Altri autori (Persone)	SabourParviz M GriffithsMansel
Disciplina	579.2/6 579.26
Soggetti	Bacteriophages - Therapeutic use Bacteriophages - Diagnostic use Food contamination Water - Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Implications of antimicrobial agents as therapeutics and growth promoters in food animal production / Patrick Boerlin -- Introduction to bacteriophage biology and diversity / Pieter-Jan Ceyssens and Rob Lavigne -- Phage-based methods for the detection of bacterial pathogens / Mansel W. Griffiths --Application of bacteriophages to control pathogens in food animal production / Lawrence D. Goodridge --Bacteriophages for control of phytopathogens in food production systems / Antonet M. Svircev, Alan J. Castle, and Susan M. Lehman -- Potential use of bacteriophages as indicators of water quality and wastewater treatment processes / Francisco Lucena and JuanJofre -- Application of bacteriophages to control pathogenic and spoilage bacteria in food processing and distribution / J. Andrew Hudson, Lynn

McIntyre, and Craig Billington -- Bacteriophage lytic enzymes as antimicrobials / Caren J. Stark ... [et al.] -- Lysogenic conversion in bacteria of importance to the food industry / Marcin Los... [et al.] -- Bacteriophages in industrial food processing / Simon Labrie and Sylvain Moineau -- Practical and theoretical considerations for the use of bacteriophages in food systems / Jason J. Gill -- Encapsulation and controlled release of bacteriophages for food animal production / Qi Wang and Parviz M. Sabour --Application of bacteriophages for control of infectious diseases in aquaculture / Toshihiro Nakai -- Control of bacterial diarrhea with phages : coverage and safety issues in bacteriophage therapy / Harald Brussow -- Industrial and regulatory issues in bacteriophage applications in food production and processing / Alexander Sulakvelidze and Gary R. Pasternack.

Sommario/riassunto

As food- and waterborne pathogens become increasingly resistant to antibiotics, researchers are turning to bacteriophages as an alternative to keep our food and water supplies safe. This timely book provides a unique comprehensive review of the literature on the application of bacteriophages as therapeutic and prophylactic agents in the food production and processing industries, including food animals, plants, and aquaculture.

2. Record Nr. UNINA9910141380003321

Titolo	Ionic liquids uncoiled [[electronic resource]] : critical expert overviews / / edited by Natalia V. Plechkova, Kenneth R. Seddon
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2013
ISBN	1-118-43500-1 1-118-43498-6 1-283-73557-1 1-118-43762-4
Descrizione fisica	1 online resource (435 p.)
Classificazione	SCI013050
Altri autori (Persone)	PlechkovaNatalia V SeddonKenneth R. <1950->
Disciplina	541/.3723
Soggetti	Ionic solutions Ionic structure
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title page; Copyright page; Contents; Coil Conferences; Preface; Acknowledgements; Contributors; Abbreviations; 1: Electrodeposition from Ionic Liquids: Interface Processes, Ion Effects, and Macroporous Structures; 1.1 Introduction; 1.2 Results and Discussion; 1.2.1 Purity Issues; 1.2.2 Interfacial Layers and Scanning Probe Microscopy Studies; 1.2.3 HOPG/[C4mpyr][NTf2]; 1.2.4 Au(111)/[C6mim][FAP]; 1.2.5 Au (111)/[C4mpyr][FAP]; 1.2.6 Influence of the Cation on Aluminium Deposition; 1.2.7 Challenges in the Making of Macroporous Materials; 1.3 Conclusion; References 2: Interfaces of Ionic Liquids (1)2.1 Introduction; 2.2 Liquid/Vacuum and Liquid/Gas Interfaces; 2.3 Liquid/Liquid Interfaces; 2.4 Solid/Liquid and Electrified Solid/Ionic Fluid Interfaces; 2.5 Wetting and Electrowetting Characteristics; 2.6 Summary and Conclusions; Acknowledgements; References; 3: Interfaces of Ionic Liquids (2); 3.1 Introduction; 3.2 The Solid-Ionic Liquid Interface; 3.2.1 Pure Interfaces; 3.2.2 Mica-Ionic Liquid Interfaces; 3.2.3 Sapphire-Ionic Liquid Interfaces; 3.2.4 Silica-Ionic Liquid Interfaces; 3.2.5 Graphite-Ionic Liquid Interfaces

3.2.6 Gold-Ionic Liquid Interfaces 3.2.7 Adsorption at the Solid-Ionic Liquid Interface; 3.3 The Air-Ionic Liquid Interface; 3.3.1 Pure Interfaces; 3.3.2 Interfacial Layer; 3.3.3 Transition Zone Structure; 3.3.4 Relationship between Microscopic Structure of Air-Ionic Liquid Interfaces and Macroscopic Properties; 3.3.5 Surfactant Adsorption at Air-Ionic Liquid Interfaces; 3.4 Liquid-Ionic Liquid Interfaces; 3.4.1 Pure Interfaces; 3.4.2 Adsorption at Liquid-Ionic Liquid Interfaces and Microemulsions; 3.5 Future Directions; Acknowledgements; References; 4: Ionic Liquids in Separation Science
4.1 Brief History of the Development of Ionic Liquids and Polymeric Ionic Liquids in Separation Science 4.2 Ionic Liquids in Chromatographic and Electrophoretic Separations; 4.3 High Performance Liquid Chromatography; 4.4 Counter-Current Chromatography; 4.5 Ionic Liquids in Gas Chromatography; 4.6 Ionic Liquids in Super critical Fluid Chromatography; 4.7 Capillary Electrophoresis and Capillary Electrochromatography; 4.8 Planar Chromatography; 4.9 Summary and Future Directions; References; 5: Separation Processes with Ionic Liquids; 5.1 Introduction; 5.2 Liquid Separations
5.2.1 Liquid-Liquid Extraction 5.2.2 Metal Extraction; 5.2.3 Extraction of Aromatic Hydrocarbons; 5.2.4 Desulfurisation of Fuels; 5.2.5 Proteins; 5.3 Extractive Distillation; 5.3.1 Conventional Process; 5.3.2 Ionic Liquids in Extractive Distillation; 5.4 Combination of Separations in the Liquid Phase with Membranes; 5.5 Gas Separations; 5.5.1 Conventional Processes; 5.5.2 CO2 Separation with Standard Ionic Liquids; 5.5.3 CO2 Separation with Functionalised Ionic Liquids; 5.5.4 CO2 Separations with Ionic Liquid (Supported) Membranes; 5.5.5 Olefin/Paraffin Separations with Ionic Liquids
5.5.6 Conclusions

Sommario/riassunto

"The book presents articles on topics at the forefront of ionic liquids research range from applied to theoretical, from synthetic to analytical, from biotechnology to electrochemistry, from process engineering to nanotechnology"--

3. Record Nr. UNINA9910699649303321

Titolo	Aero-thermal calibration of the NASA Glenn Icing Research Tunnel (2004 and 2005 tests) [[electronic resource] /] / E. Allen Arrington ... [and others]
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , [2010]
Descrizione fisica	1 online resource (viii, 115 pages) : illustrations
Collana	NASA/CR-2010-216733
Altri autori (Persone)	ArringtonE. Allen
Soggetti	Aerodynamic heating Calibrating Ice formation Wind tunnel tests Research facilities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on March 7, 2011). "July 2010."
Nota di bibliografia	Includes bibliographical references (page 115).