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Titolo	Animal Osmoregulation [[electronic resource]]
Pubbl/distr/stampa	Oxford, : Oxford University Press, 2009
ISBN	0-19-154697-6 9786611985448 1-281-98544-9
Descrizione fisica	1 online resource (179 p.)
Collana	Oxford Animal Biology Series
Disciplina	571.7/5
Soggetti	Osmoregulation Human Anatomy & Physiology Health & Biological Sciences Physiology Electronic books.
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	Contents; Preface; 1 The properties of water; 1.1 Introduction; 1.2 The structure of pure water; 1.3 Some unusual attributes of water; 1.4 The colligative properties of water; 1.5 The activity coefficient; 1.6 The activity of water; Suggested additional readings; 2 Osmosis; 2.1 The phenomenon of osmosis; 2.2 The reflection coefficient; 2.3 Osmotic pressure; Suggested additional readings; 3 The interaction of water with organic solutes; 3.1 The effects of polar solutes; 3.2 The primary structure of proteins; 3.3 The secondary and tertiary structure of proteins 3.4 The quaternary structure of proteins3.5 The interaction of lipids with water in the cell; 3.6 Membranes are ubiquitous; Suggested additional readings; 4 The need for, and often conflicting issues of, osmoregulation and volume regulation; 4.1 Osmotic regulation; 4.2 Volume regulation; 4.3 Compatible solutes; Suggested additional readings; 5 Osmoconformers; 5.1 Introduction; 5.2 Marine invertebrates; 5.3 Osmoconforming chordates; Suggested additional readings; 6 Hyporegulators; 6.1 Introduction; 6.2 General principles; 6.3 Marine teleosts; 6.4 Marine reptiles; 6.5 Marine birds

6.6 Marine mammals; 6.7 Saline-tolerant mosquitoes; 6.8 Brine flies; 6.9 Crustaceans (brine shrimp); Suggested additional readings; 7 Hyper-regulators: life in fresh water; 7.1 Introduction; 7.2 Freshwater fish; 7.3 Amphibians; 7.4 Reptiles; 7.5 Birds and mammals; 7.6 Insects; 7.7 Crayfish; 7.8 Mollusks; 7.9 Freshwater amoebae; 7.10 Summary; Suggested additional readings; 8 Terrestrial animals; 8.1 Introduction; 8.2 The terrestrial environment can be associated with enormous gradients for the activity of water; 8.3 Osmoregulatory strategies among terrestrial animals; 8.4 Terrestrial vertebrates; 8.5 Water uptake by arthropods from a subsaturated atmosphere; Suggested additional readings; 9 Membranes as sites of energy transduction; 9.1 Introduction; 9.2 Mitochondrial ATP production; 9.3 Vertebrate intestinal epithelial cells; 9.4 The integument of marine larvae; 9.5 Conclusions; Suggested additional readings; 10 Transport of ions and water in epithelia: molecular insights; 10.1 Introduction; 10.2 Insect Malpighian tubules; 10.3 The mitochondria-rich cells of freshwater animals; 10.4 The collecting tubule of the mammalian kidney; 10.5 On the more general distribution of aquaporins; Suggested additional readings; 11 Volume and osmotic regulation; 11.1 Introduction; 11.2 Cell volume regulation; 11.3 Sensing osmotic concentration; 11.4 Osmotic homeostasis in insects; 11.5 The mammalian kidney; 11.6 Summary; Suggested additional readings; Index; A; B; C; D; E; F; G; H; I; K; M; O; P; R; S; T; U; V; W

Sommario/riassunto

Osmoregulation and water balance are essential topics in animal physiology. This book starts with the physical properties of water, and the influence that it has on biological design. It then looks at the effect of the environment on physiology. Finally it studies how the evolutionary history of the animal influences the solution employed. - ; Water is fundamental to life and all metabolic reactions are influenced by the aqueous environment in which they occur. Osmoregulation and water balance are therefore absolutely essential topics in animal physiology. <i>Animal Osmoregulation</i> collates

2. Record Nr.	UNINA9910778719403321
Autore	Goodman Lenn Evan <1944->
Titolo	Judaism, human rights, and human values // Lenn E. Goodman
Pubbl/distr/stampa	New York : , : Oxford University Press, , 1998
ISBN	0-19-773981-4 1-280-47111-5 0-19-535342-0 0-585-24568-1
Descrizione fisica	1 online resource (225 pages)
Disciplina	296.3/82
Soggetti	Human rights - Philosophy Human rights - Religious aspects - Judaism Jewish ethics Liberty
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 (p. 181-183) and index.
Nota di contenuto	Contents; Abbreviations; One: The Idea of Deserts; Two: Judaism and Human Rights; Three: Abortion and the Emergence of Life; Four: On Liberty Reconsidered; Five: The Rights and Wrongs of Nations; Notes; Bibliography; Index of Citations; General Index
Sommario/riassunto	In this addition to the field of Jewish ethics, Goodman argues that the Jewish tradition has a significant contribution to make to the general discourse on ethical issues. Refuting the notion that ""human rights"" is a modern issue, he traces the idea of such rights to biblical sources.