

# Osmoregulation Papers (Directory)

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Copies of these papers are located in the **shared google drive**. > OsmoregulationPapers  
<https://drive.google.com/drive/folders/1Jcnx6t1sskNkcT2oJUaCiJAlsp1HUusT>

## Helpful resources

### Mammals

Mammalian resources are pretty easy to find. Come see me early if you need help.

[[Noel et al 2022](#)] The origin of the allometric scaling of lung ventilation in mammals. *Modeling including BMR, FMR (DMR), and MMR*.

[[Young et al 1992](#)] Some properties of the mammalian locomotory and respiratory systems in relation to body mass. *Coupling of locomotion and respiration at the trot-gallop transition*.

### Fishes

[[Evans 2010](#)] A brief history of the study of fish osmoregulation: the central role of the Mt. Desert Island Biological Laboratory. *A nice review article, see citations within for any more specific info*.

### Birds

[[Anderson Braun 1985](#)] Postrenal modification of urine in **birds**. Feces data too.

[[Braun 1999](#)] Organs involved in avian post-renal iono and osmoregulation. Really cool! Good data on water and ions too

[[Crouch Lynch Clarke 2020](#)] A re-evaluation of the chemical composition of avian urinary excreta

## Amphibians and Reptiles

[[Schoemaker Nagy 1977](#)] Osmoregulation in amphibians and reptiles

[[Minnich Schoemaker 1972](#)] Water turnover in the desert lizard *Uma scoparia*

[[Prange 1985](#)] Extra renal mechanisms of salt and water regulation in the **sea turtle**

## Marine Reptiles

[[Eckert, Wallace, Frazier, Eckert, Pritchard 2012](#)] Synopsis of the Biological Data on the Leatherback Sea Turtle (*Dermochelys coriacea*).

[[Reina, R. D., Jones, T. T. and Spotila, J. R. \(2002\)](#)]. Salt and water regulation by the leatherback sea turtle *Dermochelys coriacea*. J. Exp. Biol. 205, 1853-1860.

[[Schmidt-Nielsen Skadhauge 1967](#)] **Crocodile** excretory system

[[Schoemaker Nagy 1984](#)] Osmoregulation in the **Galapagos marine iguana**

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