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](https://peercommunityjournal.org/articles/10.24072/pcjournal.76/)] The origin of the allometric scaling of lung ventilation in mammals. *Modeling including BMR, FMR (DMR), and MMR.*

[[Young et al 1992](https://journals.biologists.com/jeb/article/164/1/283/6105/Some-Properties-of-the-Mammalian-Locomotory-and)] 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](https://www.frontiersin.org/articles/10.3389/fphys.2010.00013/full)] 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](https://drive.google.com/file/d/1zQaF8jEsWJY-dLW2ry1OzGSZ8igXvZNh/view?usp=share_link)] Postrenal modification of urine in **birds**. Feces data too.

[[Braun 1999](https://drive.google.com/file/d/1uhZy5cPA62NJ7HmRswyizEN-PXqV1Xsh/view?usp=share_link)] Organs involved in avian post-renal iono and osmoregulation. Really cool! Good data on water and ions too

[[Crouch Lynch Clarke 2020](https://drive.google.com/file/d/19Af6Puw9otrz8_0mbJVhsIkeZG1klcVh/view?usp=share_link)] A re‐evaluation of the chemical composition of avian urinary excreta

#### Amphibians and Reptiles

[[Schoemaker Nagy 1977](https://drive.google.com/file/d/1aepYA4AwhHCj-DW6ggrzMV5EF5qMMSIF/view?usp=share_link)] Osmoregulation in amphibians and reptiles

[[Minnich Schoemaker 1972](https://drive.google.com/file/d/17BO_oOkjtTFcvMN4Ri1wz6TpWjmLwstP/view?usp=share_link)] Water turnover in the desert lizard *Uma scoparia*

[[Prange 1985](https://drive.google.com/file/d/1JBnVX9qZkKjSFVusFBKw19h8wSxVhCoY/view?usp=share_link)] Extra renal mechanisms of salt and water regulation in the **sea turtle**

#### Marine Reptiles

[[Eckert, Wallace, Frazier, Eckert, Pritchard 2012](https://digitalmedia.fws.gov/digital/collection/document/id/1519/)] Synopsis of the Biological Data on the Leatherback Sea Turtle (*Dermochelys coriacea*).

[[Reina, R. D., Jones, T. T. and Spotila, J. R. (2002)](https://drive.google.com/file/d/1V0JZGsp48oK4OXpFWH3albP9cZ0P2FFS/view?usp=share_link)]. Salt and water regulation by the leatherback sea turtle *Dermochelys coriacea*. J. Exp. Biol. 205, 1853-1860.

[[Schmidt-Nielsen Skadhauge 1967](https://drive.google.com/file/d/1QjvMebCuDolZvzklU8HKWojo1s78Ycbt/view?usp=share_link)] **Crocodile** excretory system

[[Schoemaker Nagy 1984](https://drive.google.com/file/d/1wSpCxlqPX_XeB98WC4R4rh0S1hxoL9Sw/view?usp=share_link)] Osmoregulation in the **Galapagos marine iguana**

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