

Refs with regression equations

1. Medicine, Health Sciences

Deiron, M.D. et al. 2007. Time of day variation in cardiovascular response to maximal exercise testing in coronary heart disease patients taking a beta-blocker. *Applied Physiology* 32: 664-669.

Fitzgerald M.D. et al. 1997. Age relative declines in maximal aerobic capacity in regularly exercising women vs sedentary women: A meta-analysis. *Journal of Applied Physiology* 83:160-165.

Globel, F.L. et al. 1978. The rate pressure product as an index of myocardial oxygen consumption during exercise in patients with angina pectoris. *Circulation: Journal of the American Heart Association* 57: 549-556.

Monedero J. et al. 2015. Interactive video game cycling leads to higher energy expenditure and is more enjoyable than conventional exercise. *PLoS One* 10:1-12

Navarro-Palacios, A. et al. 2014. Myeloperoxidase enzymatic activity is increased in patients with different levels of dental crowding after initial orthodontic activation. *American Journal of Orthodontics and Dentofacial Orthopedics* 146: 92-97.

Warburton, D.E.R. et al. 2007. The health benefits of interactive video game exercise. *Applied Physiology, Nutrition & Metabolism* 32: 655-663.

2. Physiology and Biochemistry.

Fan, M.Z. et al. 2010. Estimation by regression analysis of endogenous amino acid levels in digesta collected from the distal ileum of pigs. *Journal of Animal Science* 73: 2319-2328.

Fitzgerald, M.D. et al. 1997. Age-related declines in maximal aerobic capacity in regularly exercising vs sedentary women: a meta-analysis. *Journal of Applied Physiology* 83: 160-165.

Morgan, P.H. et al. 1975. General model of nutritional responses of higher organisms. *Proceedings National Academy of Sciences USA* 72: 4327-31.

Ortiz, R.H. et al. 2001. Effects of prolonged fasting on plasma cortisol and TH in postweaned northern elephant seal pups. *American Journal of Physiology--Regulatory, Integrative and Comparative Physiology* 280:R790-R795

Parra, M.D. et al. 2004. Cortisol and free thyroxine determination by time-resolved fluorometry in canine serum. Canadian Journal of Veterinary Research 8:98-104.

Ramanathan, N.L. 1964. A new weighting system for mean surface temperature of the human body. Journal of Applied Physiology 19: 531.

Soberon, F. & M.E. Van Amburgh. 2013. The effect of nutrient intake from milk or milk replacer of preweaned dairy calves on lactation milk yield as adults: A meta-analysis of current data. Journal of Animal Science 97: 708-712.

Sun, W. et al. 2008. Electrocatalytic activity of hemoglobin in sodium alginate/SiO₂ nanoparticle/ionic liquid BMIMPF₆ composite film. Journal of Solid State Electrochemistry 12: 655-661.

3. Environmental Science

Doney, S.C. et al. 2009. Ocean acidification: the other CO₂ problem, 2009. Annual Review Marine Science 1: 169-192

Ellingsen et al. 1993. Mercury and selenium in workers previously exposed to mercury vapour at a chloralkali plant. British Journal of Industrial Medicine 50: 745-752.

Kranabetter, J.M. et al. 2013. An Assessment of Contemporary and Historic Nitrogen Availability in Contrasting Coastal Douglas-Fir Forests Through $\delta^{15}\text{N}$ of Tree Rings. Ecosystems 16:111-122.

Lei, Y.D. et al. 2004. Determination of vapor pressures, octanol-air, and water-air partition coefficients for polyfluorinated sulfonamide, sulfonamidoethanols, and telomer alcohols. Journal of Chemical and Engineering Data 19: 1013-1022.

Vance, E.D. An extraction method for measuring soil microbial biomass carbon. Soil Biology and Biochemistry 19: 703-707.

Vadjić, V. et al. 1991. The effect of metals and ammonia on SO₂ oxidation to sulphates in the ambient air. Environmental Monitoring and Assessment 18: 163-171.

Zhang et al. 2014. Disturbance and regeneration dynamics of a mixed Korean pine dominated forest on Changbai Mountain, North-Eastern China. Dendrochronologia 32: 21-32

Aviara et al. 2014. Effect of moisture content on some engineering properties of mahogany (*Khaya senegalensis*) seed and kernel. Research in Agricultural Engineering 60: 30-36.

4. Evolution

Heath D.D. et al. 1999. Maternal effects on offspring size: Variation through early development of Chinook salmon. *Evolution*. 53:1605-1611

Kinnison M.T. et al. 2001. Migratory costs and the evolution of egg size and number in introduced and indigenous salmon populations. *Evolution* 55: 1656-1667

5. Aquaculture

Cook et al 2000. Growth rate, body composition and feed digestibility/conversion of growth-enhanced transgenic Atlantic salmon (*Salmo salar*). *Aquaculture* 188:15-32.

Handeland et al. 2008. The effect of temperature and fish size on growth, feed intake, food conversion efficiency and stomach evacuation rate of Atlantic salmon post-smolts. *Aquaculture* 283: 36-42.

6. Fisheries

Berkeley, S. et al. 2004. Maternal age as a determinant of larval growth and survival in a marine fish, *Sebastes melanops*. *Ecology* 85: 1258-1264.

Drinkwater, K.F. 2006. The influence of wind and temperature on the catch rate of the American lobster (*Homarus americanus*) during spring fisheries off eastern Canada. *Fisheries Oceanography* 15: 150-165.

Ennis, G.P. et al. 1990. Changes in the composition of snow crab (*Chionocetes opilio*) participating in the annual breeding migration in Bonne Bay, Newfoundland. *Canadian Journal of Fisheries and Aquatic Science* 47: 2242-2249.

Imsland, A.K. et al. 1996. The interaction of temperature and fish size on growth of juvenile turbot. *Journal of Fish Biology* 49: 926-940.

Quierolo D. et al. 2009. Comparison between dynamic simulation and physical model testing of new trawl design for Chilean crustacean fisheries. *Fisheries Research* 97:86-94

Wilson, K.H. and P.A. Larkin. 1982. Relationship between thickness of daily growth increments in sagittae and change in body weight of sockeye salmon (*Oncorhynchus nerka*) fry. *Canadian*

Journal of Fisheries and Aquatic Sciences 39: 1335-1339.

Winger P.D. et al. 2015 Evaluating potentially biodegradable twines for use in the snow crab fishery off Newfoundland and Labrador. Fisheries Science 161:21-23.

7. Ecology

Baker, J.R. 1939. The relation between latitude and breeding season in birds. Proceedings of the Zoological Society of London A108: 557-582.

Barton, D.R. et al. 2005. Effects of round gobies (*Neogobius melanostomus*) on Dreissenid mussels and other invertebrates in Eastern Lake Erie, 2002-2004. Journal of Great Lake Research 2: 252-261.

Cain, M.D. 1993. A 10-year evaluation of prescribed winter burns in uneven-aged stands of *Pinus taeda* L. and *P. echinata* Mill.: Woody understorey vegetation response. International Journal of Wildland Fire 3: 13-20.

Cattuck, L.M. et al. 2002. A body-condition index for ursids. Canadian Journal of Zoology 80: 1156-1161.

Cole, L.C. 1954. The population consequences of life history phenomena. Quarterly Review of Biology 29:103-87.

Dupont et al. 2010. Near future ocean acidification increases growth rate of the lecithotrophic larvae and juveniles of the sea star *Crossaster papposus*. Journal of Experimental Zoology 314: 382-9.

FitzGeorge-Balfour T. et al. 2012. Estimating digestion time in gelatinous predators: A methodological comparison with the scyphomedusa *Aurelia aurita*. Marine Biology 160: 793-804.

Fraser, G. et al. 1999. Breeding biology of Crested Auklets at Buldir and Kasatochi Islands, Alaska. Auk 116: 690-701.

Guthery, F.S. and S.H. Shaw 2013. Density dependence: Applications in wildlife management. Journal of Wildlife Management 77: 33-38.

Hoofer, H. and R. Ott. 2009. Estimating biomass of neotropical spiders and other arachnids (Araneae, Opiliones, Pseudoscorpiones, Ricinulei) by mass-length regressions. Journal of Arachnology 37: 160-169.

Hosokawa S. et al. 2009. Increasing temperature induces shorter leaf life span in an aquatic plant. Oikos 118: 1158-1163.

- Jha, S. and J.H. Vandermeer. 2009. Contrasting bee foraging in response to resource scale and local habitat management. *Oikos* 118: 1174-1180.
- Maddocks, T.A. and F. Geiser. 1997. Energetics, thermoregulation and nocturnal hypothermia in Australian Silvereyes. *Condor* 99: 104-112
- Mulvihill, R. and C. Rimmer. 1997. Timing and extent of the molts of adult Red-eyed Vireos on their breeding and wintering grounds. *Condor* 99: 73-82.
- Riek, A. 2008. Relationship between field metabolic rate and body weight in animals: Effect of the study. *Journal of zoology* 276: 187-194.
- Rier, S.T. and R.J. Stevenson. 2001. Relation of environmental factors to density of epilithic lotic bacteria in 2 ecoregions. *Journal of the North American Benthological Society* 20: 520-532
- Rochal, O. and A. Duncan. 1985. The relationship between cell carbon and cell volume in freshwater algal species used in zooplanktonic studies. *Journal of Plankton Research* 7: 279-294.
- Ross, R.M. et al. 2005. Use of fish-otolith-length regressions to infer size of Double-crested Cormorant prey fish from recovered otoliths in Lake Ontario. *Northeastern Naturalist* 12: 133-140.
- Semmens, J. et al. 2011. A multilevel approach to examining cephalopod growth using *Octopus pallidus* as a model. *Journal of Experimental Biology* 214: 2799-2807
- Shipley, L.A. and D.E. Spalinger. 1995. The influence of size and density of browse patches on intake rates and foraging rates and foraging decisions of young moose and white-tailed deer. *Oecologia* 104: 112-121.
- Shuguo, L. 2009. A field study on the conversion ration of phytoplankton biomass carbon to chlorophyll-a in Jiaozhou Bay, China. *Chineses Journal of Oceanology and Limnology*. 27:793-805.