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AMPHIBIANS

DuRant SE & Hopkins WA. 2008. **Amphibian** predation on larval mosquitoes. Canadian Journal of Zoology, 86(10): 1159-1164.

BIRDS

Cobb M. 2008. Birds may have bigger noses than we thought. Journal of Experimental Biology, 211(4): iv.

McNab BK. 2009. Ecological factors affect the level and scaling of **avian BMR**. Comparative Biochemistry and Physiology A: Molecular and Integrative Physiology, 152(1): 22-45.

Napier KR, McWhorter TJ & Fleming PA. 2008. Mechanism and rate of glucose absorption differ between an **Australian honeyeater** (Meliphagidae) and a **lorikeet** (Loriidae). Journal of Experimental Biology, 211: 3544-3553.

Pap PL, Vagasi CI, Zirjak GA et al. 2008. Diet quality affects postnuptial molting and feather quality of the **house sparrow** (*Passer domesticus*) interaction with humural immune function? Canadian Journal of Zoology, 86(8): 834-842.

Westfahl CP, Wolf P & Kamphues. 2009. Estimation of inevitable macro mineral losses in **amazons** (*Amazona spp.*) as basis for the calculation of maintenance requirement. Archives of Animal Nutrition, 63(1): 75-85.

FEEDS, FORAGES and METHODOLOGY

Dubay SA, Hayward GD & Martinez del Rio. 2008. Nutritional value and diet preference of **arboreal lichens** and **hypogeous fungi** for small mammals in the Rocky Mountains. Canadian Journal of Zoology, 86(8): 851-862.

Duran A, Tuzen M & Soylak M. 2008. Trace element levels in some **dried fruit** samples from Turkey. International Journal of Food Sciences and Nutrition, 59(7,8): 581-589.

Falandysz J. 2008. Selenium in **edible mushrooms**. Journal of Environmental Science and Health Part C, 26(3): 256-299.

Kuley E, Ozozul F, Ozozul Y et al. 2008. Comparison of the body and claw of male and female **blue crabs** (*Callinectes sapidus*) from different regions of the Mediterranean coast. International Journal of Food Sciences and Nutrition, 59(7,8): 573-580.

Minelli EB & Benini A. 2008. Relationship between number of **bacteria** and their **probiotic** effects. Microbial Ecology in Health and Disease, 20(4): 180-183.

Ozden O & Erken N. 2008. Comparison of biochemical composition of three **aqua cultured fishes** (*Dicentrarchas labrax, Sparus aurata, Dentex dentex*). International Journal of Food Sciences and Nutrition, 59(7,8): 545-557.

Ozozul F, Ozozul Y, Olgunoglu AI et al. 2008. Comparison of fatty acid, mineral and proximate composition of body and legs of **edible frog** (*Rana esculenta*). International Journal of Food Sciences and Nutrition, 59(7,8): 558-565.

Tacon AGJ & Metian M. 2008. Global overview on the use of **fish meal and fish oil** in industrially compounded **aquafeeds**: trends and future products. Aquaculture, 285(1-4): 146-158.

FISH (aquaria)

Clements KD & Zenke-White WL. 2008. Diet of subtropical **herbivorous fishes** in northeastern New Zealand. New Zealand Journal of Marine and Freshwater Research, 42(1): 47-56.

Gisbert E, Giménez, I Fernández et al. 2009. Development of digestive enzymes in common **dentex** *Dentex* during early ontogeny. Aquaculture, 287(3-4): 381-387.

Glover KA, Ottera H, Olsen RE et al. 2009. A comparison of farmed, wild and hybrid Atlantic salmon (*Salmo salar* L.) reared under farming conditions. Aquaculture, 286(3-4): 203-210.

Nauwelaerts S, Wilga CD, Lauder GV et al. 2008. Fluid dynamics of feeding behavior in **white-spotted bamboo sharks**. The Journal of Experimental Biology, 211(19): 3095-3102.

Reys P, Sabino J & Gatelli M. 2009. Frugivory by the fish *Brycon hilarii* (Characidae) in western Brazil. Acta Oecologica, 26(1): 136-141.

Saglam H & Bascinar NS. 2008. Feeding ecology of the **thornback ray** (*Raja clavata*, Linnaeus, 1758) on the Turkish coast of the south-eastern Black Sea. Marine Biology and Research, 4(6): 451-457.

Sims DW. 2008. Sieving a living: a review of the biology, ecology and conservation status of the plankton feeding **basking shark** *Cetorhinus maximus*. Advances in Marine Biology, 64: 171-220.

Turtle AD, Burrus O, Burkart MA et al. 2008. Three cases of gastric prolapse through the gill slit in **sand tiger sharks**, *Carcharhinus Taurus* (Rafinesque). Aquaculture, 31(4): 311-315.

Yanar M, Ercen Z, Hunt A et al. 2008. The use of **alfalfa**, *Medicago sativa*, as a natural carotenoid source in diets of **goldfish**, *Carassius auratus*. Aquaculture, 284(1-4): 196-200.

FOOD SAFETY

Ishii R, Houe M, Chan W et al. 2008. Multi-residue quantification of **aminoglycoside antibiotics in kidney and meat** by liquid chromatography with tandem mass spectrometry. Food additives and Contaminants: Part A: Chemistry, Analysis, Control, Exposures and Risk Assessment, 25(12): 1509-1519.

Saavedra Y, Gonzalez A & Blanca J. 2008. Anatomical distribution of **heavy metals in the scallop** *Pecten maximus*. Food additives and Contaminants: Part A: Chemistry, Analysis, Control, Exposures and Risk Assessment, 25(11): 1339-1344.

Verhoef L, Boxman IL & Koopmans M. 2008. Viruses transmitted through the food chain: a review of the latest developments. CAZ Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 3(78): 15 pp.

INVERTEBRATES (terrestrial and aquatic)

Anderson RC, Wood JB & Mather JA. 2008. **Octopus vulgaris** in the Caribbean is a specializing generalist. Marine Ecology Progress Series, 371: 199-202.

André J, Grist EPM, Semmens JM et al. 2009. Effects of temperature on energetics and the growth pattern of **benthic octopuses**. Marine Ecology Progress Series, 374: 167-179.

Behar A, Yuval B & Jurkevitch. 2008. Gut bacterial communities in the Mediterranean **fruit fly** (*Ceratitis capitata*) and their impact on host longevity. Journal of Insect Physiology, 64(8): 1377-1383.

George SB, Fox C & Wakeham S. 2008. Fatty acid composition of larvae of the **sand dollar** *Dendraster* excentricus (Echinodermata) might reflect fatty acid composition of the diets. Aquaculture, 285(1-4): 167-173.

Holme M, Zeng C & Southgate PC. 2009. A review of recent progress toward development of a formulated microbound diet for **mud crab**, *Scylla serrata*, larvae and their nutritional requirements. Aquaculture, 286(3-4): 164-175.

Jimenez AG, Locke BR & Kinsey ST. 2008. The influence of oxygen and high-energy phosphate diffusion on metabolic scaling in **three species of tail-flipping crustaceans**. Journal of Experimental Biology, 211(20): 3214-3225.

Luo Z, Tan X, Chen Y et al. 2008. Apparent digestibility coefficients of selected feed ingredients for **Chinese mitten crab** *Eriocheir sinensis*. Aquaculture, 285(1-4): 141-145.

McGill CJ & Pomory CM. 2008. Effects of bleaching and nutrient and supplementation on wet weight in the **jellyfish** *Cassiopea xamachana* (Bigelow) (Cnidaria: Scyphozoa). Marine and Freshwater Behavior and Physiology, 41(3): 179-189.

Nicolson SW. 2009. Water homeostasis in **bees**, with the emphasis on sociality. Journal of Experimental Biology, 212: 429-434.

O'Donnell MJ. 2009. Too much of a good thing: how **insects** cope with **excess ions or toxins** in the diet. Journal of Experimental Biology, 212: 363-372.

Pascal P, Dupuy C, Richard P. 2008. Influence of environment factors on bacterial ingestion rate of the **deposit-feeder** *Hydrobia ulvae* and comparision with microfauna. Journal of Sea Research, 60(3): 151-156.

Radford CA, Marsden ID & Jeffs AG. 2008. Specific dynamic action as an indicator of carbohydrate digestion in juvenile **spiny lobsters** *Jasus edwardsii*. Marine Freshwater Research, 59(10): early alert.

Terblanche JS. 2008. Calcium: a key player in rapid **cold-hardening**. The Journal of Experimental Biology, 211(19): iv-v.

Villanueva RV, Escudero JME, Deulofeu et al. 2009. Vitamin A and E content in early stages of **cephalopods** and their dietary effects in *Octopus vulgaris* **para larvae**. Aquaculture, 286(3-4): 277-282.

Voight CC, Kretzchmar AS, Speakman JR. 2008. Female **bushcrickets** fuel their metabolism with male nuptial gifts. Biological Letters, 4(5): 476-478.

MAMMALS

Burles DW, Brigham RM, Ring RA et al. 2008. Diet of two insectivorous **bats** *Myotis lucifugus* **and** *Myotis keenii* in relation to arthropod abundance in a temperate Pacific Northwest rainforest environment. Canadian Journal of Zoology, 86(12): 1367-1375.

Carter RA, Geor RJ, Staniar WB et al. 2009. Apparent adiposity assessed by standardized scoring systems and morphometric measurements in **horses and ponies**. Veterinary Journal, 179(2): 204-210.

Clauss M, Fritz J, Bayer D et al. 2008. Physical characteristics of rumen contents in four large ruminants of different feeding type, the **addax** (*Addax nasomaculatus*), **bison** (*Bison bison*), **red deer** (*Cervus elaphus*) **and moose** (*Alces alces*). Comparative Biochemistry and Physiology A: Molecular and Integrative Physiology: early alert.

Clauss M, Fritz J, Bayer D et al. 2008. Physical characteristics of rumen contents in two small ruminants of different feeding type, the **mouflon** (*Ovis ammon musimon*) and the roe deer (*Capreolus capreolus*). Zoology: early alert.

Dubay SA, Hayward GD & Martinez del Rio. 2008. Nutritional value and diet preference of arboreal lichens and hypogeous fungi for **small mammals** in the Rocky Mountains. Canadian Journal of Zoology, 86(8): 851-862.

Goto M, Watanabe A, Karita S et al. 2008. Nutrient and energy consumption of captive mature **dugong** (*Dugong dugori*) consuming eelgrass at the Toba Aquarium. Marine and Freshwater Behavior and Physiology, 41(3): 169-177.

Kelm DH, Schaer J, Ortmann S et al. 2008. Efficiency of facultative frugivory in the **nectar-feeding bat** *Glossophaga commissarisi*: the quality of fruits as an alternative food source. Journal of Comparative Physiology, 178(8): 985-996.

Lanszki J, Giannatos G, Heltai M et al. 2009. Diet composition of **golden jackals** during cubrearing season in Mediterranean marshland in Greece. Mammalian Biology, 74(1): 72-75.

Mantysaarii P & Mantysaarii EA. 2008. Relationship of body measurements and body condition score to body weight in modern **Finnish Ayrshire cows**. Acta Agriculture Scandinavica, Section A: Animal Sciences, 58(4): 170-178.

McHregor-Argo C. 2009. Appraising the portly **pony**: body condition and adiposity. The Veterinary Journal, 179(2): 158-160.

Raghuram H, Thangadurai C, Gopukumar N et al. 2009. The role of olfaction and vision in the foraging behavior of an echolocating megachiropteran **fruit bat**, *Rousettus leschenaulti* (Pteropodidae). Mammalian Biology, 74(1): 9-14.

Sperr EB, Fronhofer EA & Tschopka M. 2009. The Mexican **mouse opossum** (*Marmosa* **mexicana**) as a flower visitor at a neotropical garden. Mammalian Biology, 74(1): 76-80.

Valencak TG, Tataruck F & Ruf T. 2009. Peak energy turnover in lactating **European hares**: the role of fat reserves. Journal of Experimental Biology, 212: 231-237.

Wells DL & Irwin RM. 2009. The effect of feeding enrichment on the **moloch gibbon** (*Hylobates molach*). Journal of Applied Animal Welfare Science, 12(1): 21-30.

Woodward W, Ellis WA, Carrick FN et al. 2008. **Koalas** on North Stradbroke Island: diet, tree use and reconstructed landscapes. Wildlife Research Management and Conservation, 35(7): 606-611.

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

Osborne CA, Lulich JP, Forrester et al. 2009. Paradigm changes in the role of nutrition for the management of **canine and feline urolithiasis**. Veterinary Clinics of North America: Small Animal Practice, 39(1): 127-141.

Storlien LH, Higgins JA, Thomas TC et al. 2008. Diet composition and **insulin** action in animal models. British Journal of Nutrition, 83(1): 585-590.

Turtle AD, Burrus O, Burkart MA et al. 2008. Three cases of gastric prolapse through the gill slit in **sand tiger sharks**, *Carcharhinus Taurus* (Rafinesque). Aquaculture, 31(4): 311-315.

REPTILES

Donavan ER & Gleeson TT. 2008. Scaling the duration of activity relative to body mass results in similar locomotion performance and metabolic costs in **lizards**. Journal of Experimental Biology, 211(20): 3258-3265.

Pulver S. 2008. Lizards incapacitate ants with mucus. Journal of Experimental Biology, 211(19): vi.

Wilson M & Lawler JR. 2008. Diet and digestive performance of an urban population of the omnivorous **freshwater turtle** (*Emydura krefftii*) from Ross River, Queensland. Australian Journal of Zoology, 56(3): 151-157.