

Reference Sections

AMPHIBIANS

BIRDS

FEEDS, FORAGES and METHODOLOGY

FISH (aquaria)

FOOD SAFETY

INVERTEBRATES (terrestrial and aquatic)

MAMMALS

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

REPTILES

Please Note: This reference service provided by CAZA-NARG cannot be all-inclusive and is not intended to be exclusive. The inclusion of any reference in this listing is based on availability and/or relevance to aquarium and zoo animal nutrition. If you have a peer-reviewed paper to include in this list, please send the citation information to the Secretary/Treasurer of CAZA-NARG (below).

A new reference list will be posted every 6 months. The next posting will be:

February 2009

If you would like to receive an e-alert when the new list is available, please contact the Secretary/Treasurer of CAZA-NARG (below). If you would like a Word version of this list, please contact the Secretary/Treasurer of CAZA-NARG:

monogastricnutrition@yahoo.ca

AMPHIBIANS

Milanovich JR, Trauth SE & McKay T. 2008. Diet of western slimy salamander, *Plethodon albagula*, from two mountain ranges in Arkansas. Southeastern Naturalist, 7(2):323-330.

BIRDS

Deagle BE, Gales NJ & Hindle MA. 2008. Variability in foraging behavior of chick-rearing macaroni penguins *Eudytes chrysophthalmus* and its relation to diet. Marine Ecology Progress Series, 359:295-309.

De Neve L, Fargallo JA, Vergara P, Lemus JA, Jaren-Galan M & Luaces J. 2008. Effects of maternal carotenoid availability in relation to sex, parasite infection and health status of nestling **kestrels** (*Falco tinnunculus*). Journal of Experimental Biology, 211:1414-1425.

Eilertsen K, Barrett RT & Torstein P. 2008. Diet, growth and early survival of the **Atlantic puffin** (*Fratercula arctica*) chicks in North Norway. Waterbirds, 31(1):107-114.

Tierney M, Southwell C, Emmerson LM & Hindell MA. 2008. Evaluating and using stable-isotopic analysis to infer diet composition and foraging ecology of **Adelie penguins** *Pygoscelis adeliae*. Marine Ecology Progress Series, 355:292-307.

FEEDS, FORAGES and METHODOLOGY

Fils-Lycaon B, Mbeguie D, Mbeguie A, Chillet M, Julianus P, Galas C, Gomez R, Hubert O. 2008. Biochemical characterization of pulp and **banana** fruit: measurement of soluble sugars, organic acids, free ACC and in vitro ACC oxidase. Fruits, 63(3):187-191.

Gutierrez AJ, Gonzalez-Weller D, Gonzalez T, Burgos A, Lozano G & Hardisson A. 2008. Content of trace metals (iron, zinc, manganese, chromium, copper, nickel) in canned **variegated scallops** (*Chlamys varia*). International Journal of Food Science and Nutrition, 59(6):535-543.

Seker M, Gul MK, Ipek M, Toplu C & Kaleci N. 2008. Screening and comparing tocopherols in the **rapeseed** (*Brassica napus* L.) and **olive** (*Olea europaea* L.) varieties using high-performance liquid chromatography. International Journal of Food Science and Nutrition, 59(6):483-490.

Tierney M, Southwell C, Emmerson LM & Hindell MA. 2008. Evaluating and using stable-isotopic analysis to infer diet composition and foraging ecology of **Adelie penguins** *Pygoscelis adeliae*. Marine Ecology Progress Series, 355:292-307.

FISH (aquaria)

Dubiaski-Silva & Magunari S. 2008. Natural diet of **fish** and **crabs** within the phytal community of *Sargassum cymosum* C. Agardh 1820 (Phaeophyta, Fucales) at Ponta das Garoupas, Bombinhas, Santa Catarina State, Brazil. Journal of Natural History, 42(27,28):1907-1922.

Jones MRJ & Leschen RAB. 2008. Beetles in the diet of six species of **deep sea fish**. New Zealand Journal of Zoology, 35(3):251-253.

Palma J, Stockdale J, Correia M & Andrade JP. 2008. Growth and survival of adult **long snout seahorses** (*Hippocampus guttulatus*) using frozen diets. Aquaculture, 278(1-4):55-59.

Quintana D, Domingues P & Garcia S. 2008. Effect of two artificial diets agglutinated with gelatin on feed and growth performance of **common octopus** (*Octopus vulgaris*) sub-adults. Aquaculture, 280(1-4):161-164.

Rosas C, Tut J, Baeza J, Sanchez A, Sosa V, Pascual C, Arena L, Domingues P & Cuzon G. 2008. Effect of type of binder on growth, digestibility, and energetic balance of *Octopus maya*. Aquaculture, 275(1-4):291-297.

Tocker DR, Bendiksen EA, Campbell PJ & Bell JG. 2008. The role of phospholipids in nutrition and metabolism of **teleost fish**. Aquaculture, 280(1-4):21-34.

Valverde JC, Hernandez MD, Aquado-Gimenez F & Garcia BG. 2008. Growth, feed-efficiency and condition of **common octopus** (*Octopus vulgaris*) fed on two formulated moist diets. Aquaculture, 275(1-4):266-273.

Zouiten D, Khemis IB, Besbes R & Cahu C. 2008. Ontogeny of the digestive tract of **thick lipped grey mullet (chelon labrosus) larvae** reared in “mesocosms”. Aquaculture, 278(1-4): 166-172.

FOOD SAFETY

Fu PP, Xia Q, Guo L, Yu H & Chan P. 2008. Toxicity of *kava kava*. Journal of Environmental Science and Health, Part C, 26(1):89-112.

INVERTEBRATES (terrestrial and aquatic)

Brucet S, Compte J, Boix D, Lopez-Flores R & Quintana XD. 2008. Feeding of nauplii, copepites and adults of *Calanipeda aquadulcis* (Calanoida) in Mediterranean salt marshes. Marine Ecology Progress Series, 355:183-191.

Cramer KL. 2008. Are **brown recluse spiders** *Loxosceles reclusa* (Araneae, Sicariidae) scavengers? The influence of predator satiation, prey size and prey quality. Journal of Arachnology, 36(1):140.

Merzendorfer H. 2008. Oniscophagous **arachnids**: or eating rollers. Journal of Experimental Biology, 211(15): early alert.

Peck LS, Webb KE, Miller A, Clark MS & Hill T. 2008. Temperature limits to activity, feeding and metabolism in the **Antarctic starfish** *Odontaster validus*. Marine Ecology Progress Series, 358:181-189.

Rierney SM, Gonzales-Ojeda & Cislo. 2008. Biology of a nocturnal **bee**, *Megalopta atrata* (Hymenoptera:Halictidae; *Augochlorini*) from the Panamanian highland. Journal of Natural History, 42(27,28):1841-1847.

Santos VC, Ararijo RN, Machado LAD, Pereira MH & Gontijo NF. 2008. The physiology of the midgut of *Lutzomyia longipalpis* (Luz and Neiva 1912): pH in different physiological conditions and mechanisms involved in its control. Journal of Experimental Biology, 211:2791-2798.

Waddington K. 2008. Variation in evacuation rates of different foods skew estimates of diet in the western **rock lobster** *Panulirus Cygnus*. Marine and Freshwater Research, 59(4):347-350.

MAMMALS

Besselmann D, Schaub D, Wenker C, Vollm J, Robert N, Schelling C, Steinmetz H & Clauss M. 2008. Juvenile mortality in captive **lesser kudu** (*Tragelaphus imberbis*) at Basle Zoo and its relation to nutrition and husbandry. Journal of Zoo and Wildlife Medicine, 39(1):86-91.

Breslin PAS & Spector AC. 2008. **Mammalian** taste perception. Current Biology, 18(4):R148-R155.

Brzezinski M. 2008. Food habits of the **American mink** *Mustela vison* in the Mazurian Lakeland, Northeastern Poland. Mammalian Biology, 73(3):177-188.

Burgener N, Gusset & Schmid H. 2008. Frustrated appetitive behavior, stereotypic pacing, and fecal glucocorticoid levels in **snow leopards** (*Uncia uncia*) in the Zurich zoo. Journal of Applied Animal Welfare Science, 11(1):74-83.

Clauss M, ES Dierenfeld ES, Bigley KE, Wang Y, Ghebremeskel K, Hatt JM, Flack EJ, Behlert O, Castell JC, Streich WJ & Bauer JE. 2008. Fatty acid status in captive and free-ranging **black rhinoceroses** (*Diceros bicornis*). Journal of Animal Physiology and Animal Nutrition, 92(3):231-241.

Clauss M, Streich WJ & Hatt JM. 2008. Irregular tooth wear and longevity in captive wild **ruminants**: a pilot survey of necropsy reports. Journal of Zoo and Wildlife Medicine, 39(1):69-75.

Clauss M, Streich WJ, Nunn CL, Ortmann S, Hohmann G, Schwarm A & Hummel J. 2008. The influence of natural diet composition, food intake level, and body size on ingesta passage in **primates**. Comparative Biochemistry and Physiology A, Molecular and Integrative Physiology, 150(3):274-281.

Daniel S, Korine C & Pinshow B. 2008. Central place foraging in nursing, Arthropod gleaning **bats**. Canadian Journal of Zoology, 86(7):623-626.

Dennis PM, Funk JA, Rajala-Schultz PJ, Blumer ES, Miller RE, Wittum TE & Saville WJ. 2008. A review of some of the health issues of captive **black rhinoceroses** (*Diceros bicornis*). Journal of Zoo and Wildlife Medicine, 38(4):509-517.

Dowell SA, Boren LJ, Negro SS, Muller CG, Caudron AK & Gemmerll. 2008. Rearing two **New Zealand fur seal** (*Arctocephalus forsteri*) pups to weaning. Australian Journal of Zoology, 56(1): early alert.

Gai JJ & Marks SL. 2008. Salmon poisoning disease in two **Malayan sun bears**. Journal of American Veterinary Medical Association, 232(4):586-568.

Gerson AR, Brown JCL, Thomas R, Bernards MA & Staples JF. 2008. Effect of dietary polyunsaturated fatty acids on mitochondrial metabolism in **mammalian hibernation**. Journal of Experimental Biology, 211(16): early alert.

Green AS, Ramsey JJ, Villaverde C, Asami DK, Wei A & Fascetti J. 2008. **Cats** are able to adapt protein oxidation to protein intake provided their requirement for dietary protein is met. Journal of Nutrition, 138:1053-1060.

Johnson S, Houser BS, Frederick H & Patterson B. 2008. Osteochondrosis dissecans in a juvenile **roan antelope (*Hippotragus equinus*)**. Journal of Zoo and Wildlife Medicine, 39(1):111-114.

Kavanagh K, Jones KL, Zhang L, Flynn DM, Shaddoan MK & Wagner JD. 2008. High isoflavone soy diet increases insulin secretion without decreasing insulin sensitivity in premenopausal nonhuman **primates**. Nutrition Research, 28(6):368-376.

McKenzie J & Wynne KM. 2008. Spatial and temporal variation in the diet of **Steller sea lions** in the Kodiak Archipelago, 1999. Marine Ecology Progress Series, 360:265-283.

Medina FM, Lopez-Darias M, Nogales M & Grcia R. 2008. Food habits of **feral cats (*Felis silvestris catus* L.)** in insular semiarid environments (Fuerteventura) Canary Islands. Wildlife Research, 35(2):162-169.

Mello MAR, Kalko EKV & Silva WR. 2008. Diet and abundance of the **bat *Sturnira lilium* (Chiroptera)** in a Brazilian montane Atlantic forest. Journal of Mammalogy, 82(2):485-492.

Morrison SF & Hik DS. 2008. Discrimination of intra- and inter-specific forage quality by **collared pikas (*Ochotona collaris*)**. Canadian Journal of Zoology, 86(6):456-461.

Mutlow AG & Mutlow H. 2008. Caesarian section and neonatal care in the **aardvark (*Orycteropus afer*)**. Journal of Zoo and Wildlife Medicine, 39(2): early alert.

Osthoff G, Hugo A & deWit M. 2008. Milk composition of a free-ranging **white rhinoceros (*Ceratotherium simum*)** during late lactation. Mammalian Biology, 73(3):245-248.

Power ML, Verona CE, Ruiz-Miranda C & Oftedal OT. 2008. The composition of milk from free-living common **marmosets (*Callithrix jacchus*)** in Brazil. American Journal of Primatology, 70(1):78-83.

Sanchez F, Kotler BP, Korine C & Pinshow B. 2008. Sugars are complementary resources to ethanol in foods consumed by **Egyptian fruit bats**. Journal of Experimental Biology, 211:1475-1481.

Sousa KS & Bager A. 2008. Feeding habits of **Geoffrey's cat (*Leopardus geoffroyi*)** in southern Brazil. Mammalian Biology, 73(4):303-308.

Stott P. 2008. Comparisons of digestive function between the European hare (*Lepus europaeus*) and the **European rabbit** (*Oryctolagus cuniculus*): mastication, gut passage, and digestibility. *Mammalian Biology*, 73(4):276-286.

Trites AW & Calkins DG. 2008. Diets of mature male and female **Stellar sea lions** (*Eumetopias jubatus*) differ and cannot be used as proxies for each other. *Aquatic Mammals*, 34(1):25-34.

Van der Kolk JH, Leuwen JP, van den Belt AJ, van Schaik RH & Schaftenaar W. 2008. Subclinical hypocalcaemia in captive **Asian elephants** (*Elephas maximus*). *Veterinary Records*, 162(15):475-479.

Voight LC, Capps KA, Dechmann DK, Michener RH & Kunz TH. 2008. Nutrition or detoxification: why **bats** visit mineral licks of the Amazonian rainforest. *PloS ONE*, 3(4):e2011.

William CA & Lamprecht ED. 2008. Some commonly fed herbs and other functional foods in **equine** nutrition: a review. *The Veterinary Journal*, 178(1):21-31.

Wing SR, McLeod RJ, Clark KL & Frew RD. 2008. Plasticity in the diet of two **echinoderm** species across an ecotone: microbial recycling of forest litter and bottom-up forcing of population structures. *Marine Ecology Progress Series*, 360:115-123.

Zhou Y, Zhang J, Slade E, Zhang L, Palomares F, Chen J, Wang Y & Zhang S. 2008. Dietary shifts in relation to fruit availability among **masked palm civets** (*Paguma larvata*) in central China. *Journal of Mammalogy*, 82(2):435-437.

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

Besselmann D, Schaub D, Wenker C, Vollm J, Robert N, Schelling C, Steinmetz H & Clauss M. 2008. Juvenile mortality in captive **lesser kudu** (*Tragelaphus imberbis*) at Basle Zoo and its relation to nutrition and husbandry. *Journal of Zoo and Wildlife Medicine*, 39(1):86-91.

Clauss M, Streich WJ & Hatt JM. 2008. Irregular tooth wear and longevity in captive wild **ruminants**: a pilot survey of necropsy reports. *Journal of Zoo and Wildlife Medicine*, 39(1):69-75.

Dennis PM, Funk JA, Rajala-Schultz PJ, Blumer ES, Miller RE, Wittum TE & Saville WJ. 2008. A review of some of the health issues of captive **black rhinoceroses** (*Diceros bicornis*). *Journal of Zoo and Wildlife Medicine*, 38(4):509-517.

Gai JJ & Marks SL. 2008. Salmon poisoning disease in two **Malayan sun bears**. *Journal of American Veterinary Medical Association*, 232(4):586-568.

Ilahi M, Armas LAG & Heaney RP. 2008. Pharmacokinetics of a single, large dose of **cholecalciferol**. *American Journal of Clinical Nutrition*, 87:688-691.

Johnson S, Houser BS, Frederick H & Patterson B. 2008. Osteochondrosis dissecans in a juvenile **roan antelope** (*Hippotragus equinus*). Journal of Zoo and Wildlife Medicine, 39(1):111-114.

Van der Kolk JH, Leuwen JP, van den Belt AJ, van Schaik RH & Schaftenaar W. 2008. Subclinical hypocalcaemia in captive **Asian elephants** (*Elephas maximus*). Veterinary Records, 162(15):475-479.

REPTILES

Arthur KE, Boyle MC & Limpus CJ. 2008. Ontogenetic changes in diet and habitat use in **green sea turtle** (*Chelonia mydas*) life history. Marine Ecology Progress Series, 362:303-311.

Cox RM, Barrett MM & John-Alder HB. 2008. Effects of food restriction on growth, energy allocation, and sexual size dimorphism in **Yarrow's spiny lizard**, *Sceloporus jarrovii*. Canadian Journal of Zoology, 86(4):268-276.

Glaudas X, Jezkova T & Rodriguez-Robles JA. 2008. Feeding ecology of the **Great Basin rattlesnake** (*Crotalus lutosus*, Viperidae). Canadian Journal of Zoology, 86(7):723-734.

Shulz N & Philips K. 2008. **Turtles** dive deep for dinner. Journal of Experimental Biology, 211(16): early alert.

Wu G & Huang C. 2008. Estimation of dietary copper requirement of juvenile **soft-shelled turtles**, *Pelodiscus sinensis*. Aquaculture, 280(1-4):206-210.