

Reference Sections: February, 2012

Attention: The next posting of a reference list will be in

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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 only on availability and/or relevance to aquarium and zoo animal nutrition. Inclusion of a reference on this list does not indicate an acceptance and/or rating of the research. 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).

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AMPHIBIANS

Hector KL et al. 2012. Consequences of **compensatory growth** in an amphibian. *Journal of Zoology*, 286(2): 93-101.

Wright ML, Richardson SE & Bigos JM. 2011. The fat body of **bullfrog** (*Lithobates catesbeianus*) tadpoles during metamorphosis: changes in mass, histology and melatonin content and effect of food deprivation. *Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology*, 160(4): 498-503.

BIRDS

Atagan Y & Forstmeier W. 2011. Protein supplementation decreases courtship rate in the **zebra finch**. *Animal Behaviour*, 82(6): advance e-alert.

Douglas DJT, Moreby SJK & Benton TG. 2012. Provisioning with cereal grain depresses the body condition of insectivorous **Yellowhammer** *Emberiza citronella* nestlings. *Bird Study*, 59(1): 105-109.

Furlonger AA et al. 2012. Effects of supplementation with preferred foods on the reproductive axis of American **goldfinches** (*Spinus tristis*). Canadian Journal of Zoology, 90(2): 203-209.

FEEDS, FORAGES and METHODOLOGY

Brandolini A & Hidalgo A. 2011. **Wheat germ**: not only a by-product. International Journal of Food Sciences and Nutrition, 62(8): advance e-alert

Cho JH & Kim IH. 2011. **Fish meal** – nutritive value. Journal of Animal Physiology and Animal Nutrition, 95(6): 685-692.

Fontaneto D, Tommasea-Ponzetta M, Galli C et al. 2011. Differences in **fatty acid** composition between aquatic and terrestrial **insects** used as food in human nutrition. Ecology of Food and Nutrition, 50(4): 351-367.

Golzar SH et al. 2012. **Egg yolk fatty acid** profile of avian species – influence on human nutrition. Journal of Animal Physiology and Animal Nutrition, 95(7): advanced e-alert.

Harlioglu AG, Aydin S & Yilmaz Ö. 2012. **Fatty acid, cholesterol and fat-soluble vitamin** composition of wild and captive freshwater **crayfish** (*Astacus leptodactylus*). Food Science and Technology International, 18: 93-100.

Lima GPP & Vianello F. 2011. Review on the main difference between **organic** and conventional plant-based foods. International Journal of Food Science and Technology, 46(1): 1-13.

Micek J & Rop O. 2011. Fresh **edible flowers** of ornamental plants – a new source of nutraceutical foods. Trends in Food Science and Technology, 22(10): 561-569.

Sabir A et al. 2012. The **fatty acid and tocopherol** constituents of the seed oil extracted from 21 **grape** varieties (*Vitis* spp.). Journal of the Science of Food and Agriculture: advance e-alert.

Siddiqu MAM & Aktar M. 2011. Changes in **nutritional value** of three marine dry **fishes** (*Johnius dussumieri*, *Harpodon nehereus* and *Lepturacanthus savala*) during storage. Food and Nutrition Sciences, 2(10): 1082-1087.

Singleton C, Wack R & Larsen RS. 2011. Bacteriologic and nutritional evaluation of a commercial **raw meat diet** as part of a raw meat safety program. Zoo Biology: advance e-alert

Vayalil PK. 2011. **Date fruits** (*Phoenix dactylifera* Linn): an emerging medicinal food. Critical Reviews in Food Science and Nutrition, 52(3): 249-271.

FISH (aquaria)

Figueiredo-Silva A et al. 2011. High levels of dietary fat impair glucose homeostasis in **rainbow trout**. *Journal of Experimental Biology*, 215: 169-178.

Hadfield CA & Clayton LA. 2011. **Fish quarantine**: current practices in public zoos and aquariums. *Journal of Zoo and Wildlife Medicine*, 42(4): 641-650.

Payne EJ. 2011. Husbandry and growth rates of **neonate sharks**, *Hemiscyllium ocellatum*, in captivity. *Zoo Biology*, 30(6): advance e-alert

FOOD SAFETY

Singleton C, Wack R & Larsen RS. 2011. Bacteriologic and nutritional evaluation of a commercial **raw meat diet** as part of a raw meat safety program. *Zoo Biology*: advance e-alert.

INVERTEBRATES (terrestrial and aquatic)

Okorie OE, Ko SH, Go S et al. 2011. Preliminary study of the optimum dietary riboflavin level in **sea cucumber**, *Apostichopus japonicas* (Selenka). *Journal of the World Aquaculture Society*, 42(5): 657-666.

Ogilvy V, Fidgett AL & Preziosi RF. 2011. Differences in **carotenoid** accumulation among **three feeder-cricket species**: implications for carotenoid delivery to captive insects. *Zoo Biology*, 30(6): advance e-alert

MAMMALS

Aitken-Palmer C et al. 2012. Delayed growth in a young **fruit bat** (*Pteropus pumilis*) due to nutritional hypovitaminosis C. *Veterinary Record*, 170(1).

Bell KM et al. 2011. Evaluation of two milk replacers fed to hand-reared **cheetah cubs** (*Acinonyx jubatus*) nutrient composition, apparent total tract digestibility, and comparison to maternal cheetah milk. *Zoo Biology*, 30(4): 412-26.

Cassella CM, Mills A & Lukas KE. 2012. Prevalence of regurgitation and reingestion in **orangutans** housed in North American zoos and an examination of factors influencing its occurrence in a single group of Bornean orangutans. *Zoo Biology*, advance e-alert.

Das A et al. 2011. Feed consumption, diet digestibility and mineral utilization in captive **blackbuck** (*Antelope cervicapra*) fed different levels of concentrates. *Journal of Animal Physiology and Animal Nutrition*, 95(7): advanced e-alert.

- Depauw S et al. 2011. Blood values of adult captive **cheetahs** (*Acinonyx jubatus*) fed either supplemented beef or whole rabbit carcasses. *Zoo Biology*, 30(6):1-13.
- Depauw S et al. 2011. Animal fibre: the forgotten nutrient in strict carnivores? First insights in the **cheetah**. *Animal Physiology and Animal Nutrition*, 95(7): advance e-alert.
- Kreuzer FR et al. 2011. Intake, selection, digesta retention, digestion and gut fill of two coprophageous species, **rabbits** (*Cryctolagus cuniculus*) and **guinea pigs** (*Cavia porcellus*) on a hay-only diet. *Journal of Animal Physiology and Animal Nutrition*, 95(5): 564-570.
- Hedberg GE, Derocher AE, Andersen M. 2011. Milk composition in free-ranging **polar bears** (*Ursus maritimus*) as a model for captive rearing milk formula. *Zoo Biology*, 30(5): 550-565.
- Koutsos EA, Ball AR, Dikeman C et al. 2011. Influence of diet transition on serum calcium and phosphorus and fatty acids in zoo **giraffe** (*Giraffa camelopardalis*). *Zoo Biology*, 30(5): 523-531.
- Lane EP et al. 2011. Effect of diet on the incidence of and mortality owing to gastritis and renal disease in captive **cheetahs**. *Zoo Biology*, 30: advance e-alert.
- MacRae AM, Haulena M & Fraser D. 2011. The effect of diet and feeding level on survival and weight gain of hand-raised **harbor seal** pups (*Phoca vitulina*). *Zoo Biology*, 30(5): 532-541.
- Medhammer E et al. 2011. Composition of milk from minor dairy animals and **buffalo** breeds: a biodiversity perspective. *Journal of the Science of Food and Agriculture*, 92(3): 445-474.
- Osmann SM, Kreuzer OS, Hatt JM et al. 2011. Energy intake for maintenance in a mammal with a low basal metabolism, the **giant anteater** (*Myrmecophaga tridactyla*). *Journal of Animal Physiology and Animal Nutrition*, advance e-alert.
- Peters A et al. 2012. Haemochromatosis in a Brazilian **tapir** (*Tapirus terrestris*) in an Australian zoo. *Australian Veterinary Journal*, 90(1-2): 29-33.
- Raboisson D et al. 2012. Experimental soybean meal intoxication in **cattle**. *Journal of Veterinary Internal Medicine*, advance e-alert.
- Resende S et al. 2011. Influence of cinnamon and catnip on the stereotypical pacing of **oncilla cats** (*Leopardus tigrinus*) in captivity. *Journal of Applied Animal Welfare Science*, 14(3): 247-254.
- Rosen DAS et al. 2012. Rates of maximum food intake in young northern **fur seals** (*Callorhinus ursinus*) and the seasonal effects of food intake and body growth. *Canadian Journal of Zoology*, 90(1): 61-69.
- Singh AK et al. 2012. Effect of pre-partum supplementation of vitamin E to **Murrah buffaloes** on immune functions and viability of calves. *Journal of Animal Physiology and Animal Nutrition*, 96(1): advance e-alert.

White JD et al. 2011. **Feline** chronic kidney disease: can we move from treatment to prevention? The Veterinary Journal, 19(3): 317-322.

Whitehouse-Tedd KM et al. 2011. Dietary isoflavone absorption, excretion, and metabolism in captive **cheetahs** (*Acinonyx jubatus*). Journal of Zoo and Wildlife Medicine, 42(4): 658-670.

Zhang et al. 2012. Effects of dietary protein levels on digestibility of nutrients and growth rate in young female **mink** (*Mustela vison*). Journal of Animal Physiology and Animal Nutrition, advance e-alert.

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

Aitken-Palmer C et al. 2012. Delayed growth in a young fruit bat (*Pteropus pumilis*) due to **nutritional hypovitaminosis C**. Veterinary Record, 170(1).

Figueiredo-Silva A et al. 2011. High levels of dietary fat impair **glucose homeostasis** in rainbow trout. Journal of Experimental Biology, 215: 169-178.

Lane EP et al. 2011. Effect of diet on the incidence of and mortality owing to **gastritis and renal disease** in captive cheetahs. Zoo Biology, 30: advance e-alert.

Raboisson D et al. 2012. Experimental **soybean meal intoxication** in cattle. Journal of Veterinary Internal Medicine, advance e-alert.

White JD et al. 2011. Feline **chronic kidney disease**: can we move from treatment to prevention? The Veterinary Journal, 19(3): 317-322.

REPTILES

Chen L & Huang C. 2011. Effects of dietary beta-carotene levels on growth and liver vitamin A concentrations of the **soft-shelled turtle**, *Pelodiscus sinensis* (Wiegmann). Aquaculture, 42(12): 1848-1854.

Reguera S et al. 2011. Diet and energetic constraints of an earthworm specialist, the Mesa Central blotched **garter snake** (*Thamnophis scaliger*). Canadian Journal of Zoology, 89(12): 1178-1187.

Ritz J et al. 2012. Variation in growth and potentially associate of health status in **Hermann's and Spur-thighed tortoise** (*Testudohermanni* and *Testudo graeca*). Zoo Biology, advance e-alert.

Sadeghayobi E et al. 2011. Digesta retention time in the **Galápagos tortoise** (*Chelonoidis nigra*). Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology, 160(4): 493-497.