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**Welfare in Zoos**

Animal-based welfare monitoring: using keeper ratings as an assessment tool – Whitham, Jessica C.

Applied Problem solving to diminish abnormal behavior – Whittaker, Margaret

Assessing animal welfare: different philosophies, different scientific approaches – Fraser, David

Assessing the importance of natural behavior for animal welfare – Bracke, M.B.M.

Assessing the ‘whole animal’: a free choice profiling approach – Wemelsfelder, Francoise

Assessment of body condition in Asian elephants (*Elephas maximus*) – Wemmer, C.

Assessment of positive emotions in animals to improve their welfare – Boissy, Alain

Can’t stop, won’t stop: is stereotypy a reliable animal welfare indicator? – Mason, G.J.

Captivity effects on wide-ranging carnivores – Clubb, Ros

Challenge of challenge: can problem solving opportunities enhance animal welfare? – Meehan, Cheryl L.

Comparative approach to the study of keeper–animal relationships in the zoo – Carlstead, Kathy

Current status and future directions of applied behavioral research for animal welfare and conservation – Swaisgood, Ronald R

Death at the zoo: the media, science and reality – Hutchins, Michael

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Does reduction of fearfulness tend to reduce pessimistic-like judgment in lambs? – Destrez, Alexandra

Effects of training on stress-related behavior of the common marmoset (*Callithrix jacchus*) in relation to coping with routine husbandry procedures – Bassett, Lois

GAPs in the study of zoo and wild animal welfare – Goulart, Vinicius, D.
How does the zoo environment affect the behaviour of captive primates? – Hosey, Geoffrey R.

How should the psychological well-being of zoo elephants be objectively investigated? – Mason, Georgia J.

Influence of captive adolescent male chimpanzees on wounding: management and welfare implications – Ross, S.R.

International Society for Wildlife Endocrinology: the future of endocrine measures for reproductive science, animal welfare and conservation biology – Ganswindt, Andre

Introduction to the special issue on zoo animal welfare – Watters, Jason V.

Measuring zoo animal welfare: theory and practice – Hill, Sonya P.

Natural behavioural biology as a risk factor in carnivore welfare: how analysing species differences could help zoos improve enclosures – Clubb, Ros

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On comparing the behaviour of zoo housed animals with wild conspecifics as a welfare indicator – Veasey, J.S.

On comparing the behaviour of zoo housed animals with wild conspecifics as a welfare indicator, using the giraffe (Giraffa camelopardalis) as a model – Veasey, J.S.

Performance indicates animal state of being: a Cinderella axiom? – Curtis, S.E.

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Programmatic approaches to assessing and improving animal welfare in zoos and aquariums – Barber, Joseph C.E.

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Salivary cortisol and behaviour in an all-male group of western lowland gorillas (Gorilla g. gorilla) – Kuhar, C.W.

Space use as an indicator of enclosure appropriateness: a novel measure of captive animal welfare – Ross, Stephen R.
There are big gaps in our knowledge, and thus approach, to zoo animal welfare: a case for evidence-based zoo animal management - Melfi, V.A.

Zoo animal welfare - Wickins-Drazilova, Dita