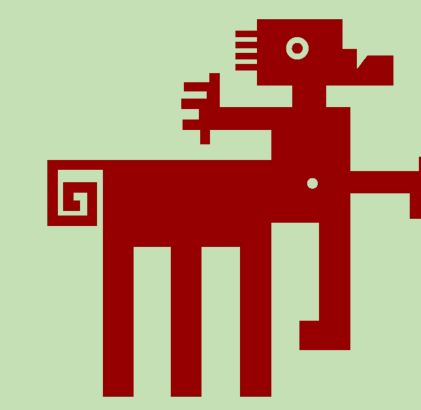


EFFECTS OF AUDITORY ENRICHMENT IN DOMESTIC MAMMALS

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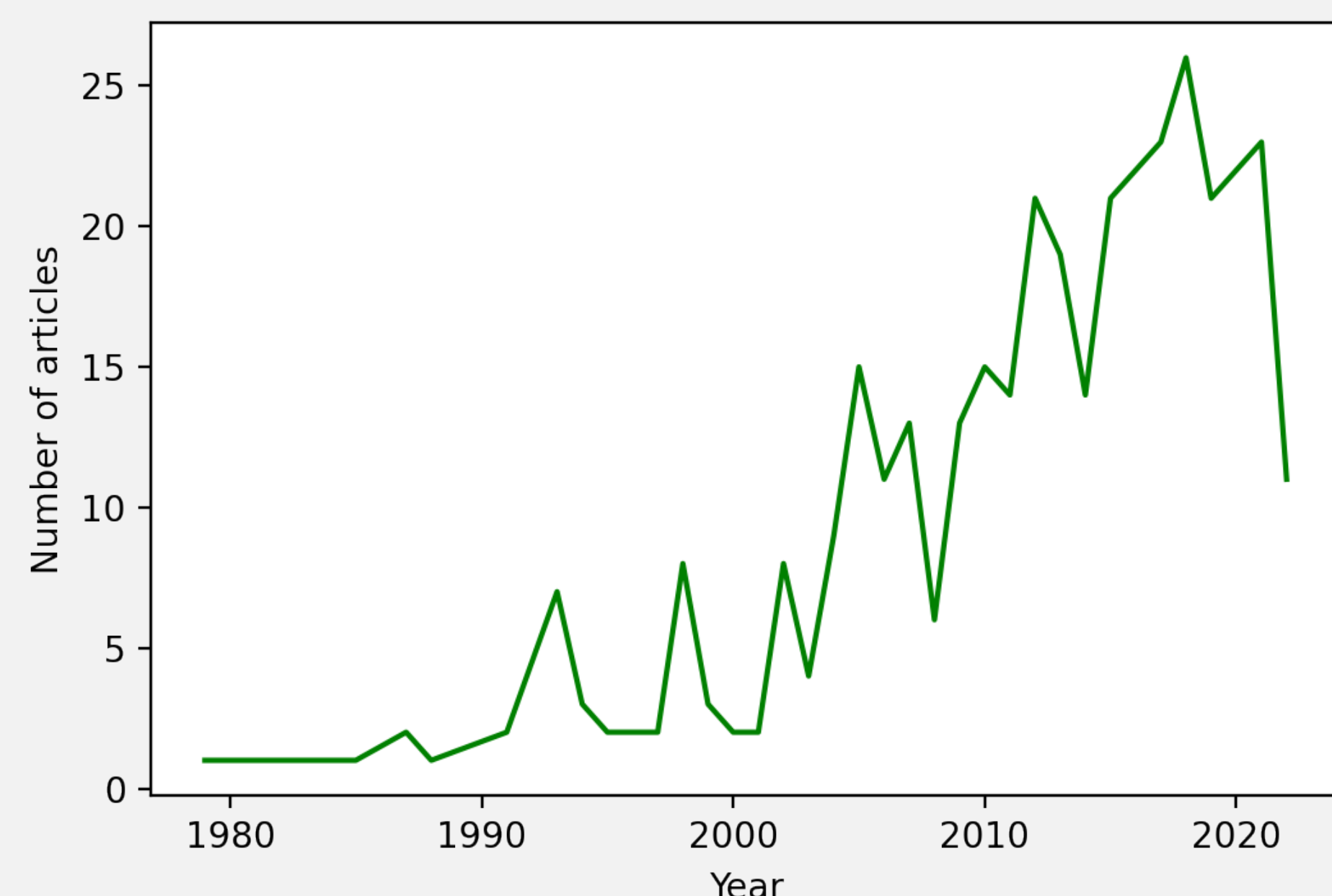


Figure 1: There has been growing interest through the years on the topic. These are the results when "auditory enrichment in animals" is searched in PubMed.

INTRODUCTION



Well documented in humans and animal models



Low cost



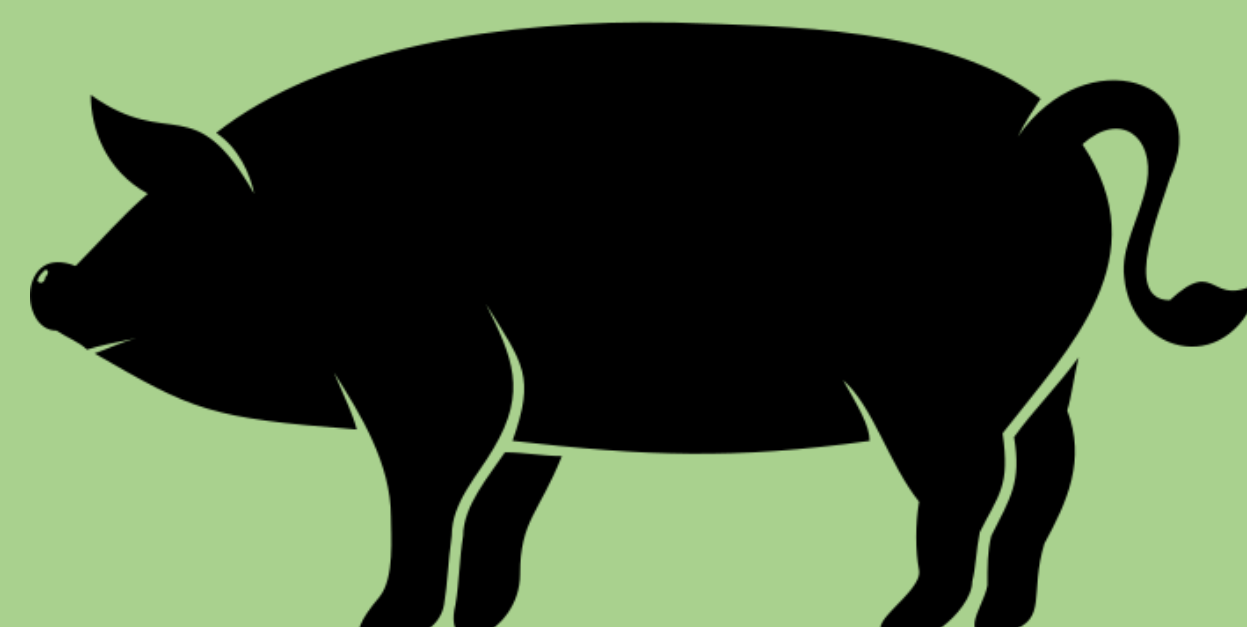
Ease of administration

Environmental enrichment is a method that aims to help animals to have more species-specific behaviours and to prevent or reduce abnormal behaviours by modifications to the environment. There are different types of enrichment: Social, Occupational, Physical, Sensory and Nutritional. Auditory (music mostly) is included in the Sensory.¹

RESULTS



More relaxed &
Barking reduced



Playful behaviours



Enter the milking
facility



No differences
of stress in vet
exams



Ambiguous results in
food intake



Ambiguous results in
milk yield

OBJECTIVE

Can auditory enrichment lead to changes in domestic animals?

CONCLUSIONS

Calming or arousal effects
Dependence on Species & Situations

Which auditory stimuli?

- Classical music
- Audiobooks
- Commercial radio station

Further research is needed

REFERENCES

- 1) Newberry, R. C. (1995). Environmental enrichment: Increasing the biological relevance of captive environments. *Applied Animal Behaviour Science*, 44(2-4), 229-243.
- 2) Cloutier, S., et al. (2000). Can Ambient Sound Reduce Distress in Piglets During Weaning and Restraint? *Journal of Applied Animal Welfare Science*, 3(2), 107-116.
- 3) de Jonge, et al. (2008). Music during play-time: Using context conditioning as a tool to improve welfare in piglets. *Applied Animal Behaviour Science*, 115(3-4), 138-148.

Why are there positive outcomes?

- 1) Mask other stressful noises²
- 2) Better socialisation²
- 3) Environments more interesting²
- 4) Human influence³