

The evolution of acoustic size exaggeration in terrestria

Nature Communications

7, 12739

DOI: [10.1038/ncomms12739](https://doi.org/10.1038/ncomms12739)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Body size and vocalization in primates and carnivores. <i>Scientific Reports</i> , 2017, 7, 41070.	1.6	84
2	Evolutionary Trade-Off between Secondary Sexual Traits and Ejaculates. <i>Trends in Ecology and Evolution</i> , 2017, 32, 964-976.	4.2	128
3	Acoustic allometry revisited: morphological determinants of fundamental frequency in primate vocal production. <i>Scientific Reports</i> , 2017, 7, 10450.	1.6	37
4	Function and Evolution of Vibrato-like Frequency Modulation in Mammals. <i>Current Biology</i> , 2017, 27, 2692-2697.e3.	1.8	11
5	Humans recognize emotional arousal in vocalizations across all classes of terrestrial vertebrates: evidence for acoustic universals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170990.	1.2	93
6	Formants provide honest acoustic cues to body size in American alligators. <i>Scientific Reports</i> , 2017, 7, 1816.	1.6	24
7	Unusually high-pitched neonate distress calls of the open-habitat Mongolian gazelle (<i>Procapra</i>). <i>PLoS ONE</i> , 2017, 12, e0177411.	0.6	4
8	Sexual dimorphism in African elephant social rumbles. <i>PLoS ONE</i> , 2017, 12, e0177411.	1.1	22
9	How small could a pup sound? The physical bases of signaling body size in harbor seals. <i>Environmental Epigenetics</i> , 2017, 63, 457-465.	0.9	11
10	The Biology and Evolution of Speech: A Comparative Analysis. <i>Annual Review of Linguistics</i> , 2018, 4, 255-279.	1.2	54
11	Positive correlations between pre- and post-copulatory sexual traits in warblers. <i>Journal of Avian Biology</i> , 2018, 49, jav-01694.	0.6	6
12	Five mechanisms of sound symbolic association. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 1619-1643.	1.4	129
13	Sexual selection and the loss of laryngeal air sacs during the evolution of speech. <i>Anthropological Science</i> , 2018, 126, 29-34.	0.2	2
14	Field Propagation Experiments of Male African Savanna Elephant Rumbles: A Focus on the Transmission of Formant Frequencies. <i>Animals</i> , 2018, 8, 167.	1.0	8
15	Higher fundamental frequency in bonobos is explained by larynx morphology. <i>Current Biology</i> , 2018, 28, R1188-R1189.	1.8	27
16	Human vocal behavior within competitive and courtship contexts and its relation to mating success. <i>Evolution and Human Behavior</i> , 2018, 39, 684-691.	1.4	11
17	Animal choreography of song and dance: a case study in the Montezuma oropendola, <i>Psarocolius montezuma</i> . <i>Animal Behaviour</i> , 2018, 140, 99-107.	0.8	15
18	The high-output singing displays of a lekking bat encode information on body size and individual identity. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	0.6	59

#	ARTICLE	IF	CITATIONS
19	No evidence that maximum fundamental frequency reflects selection for signal diminution in bonobos. <i>Current Biology</i> , 2019, 29, R732-R733.	1.8	3
20	Semantic Associations Dominate Over Perceptual Associations in Vowel Size Iconicity. <i>I-Perception</i> , 2019, 10, 204166951986198.	0.8	14
21	Social context mediates testosterone's effect on snort acoustics in male hyrax songs. <i>Hormones and Behavior</i> , 2019, 114, 104535.	1.0	2
22	Audio visual crossmodal correspondences in domestic dogs (<i>Canis familiaris</i>). <i>Biology Letters</i> , 2019, 15, 20190564.	1.0	10
23	Bioacoustic monitoring of animal vocal behavior for conservation. <i>Conservation Science and Practice</i> , 2019, 1, e72.	0.9	42
24	Coevolution of vocal signal characteristics and hearing sensitivity in forest mammals. <i>Nature Communications</i> , 2019, 10, 2778.	5.8	30
25	Contiguity-based sound iconicity: The meaning of words resonates with phonetic properties of their immediate verbal contexts. <i>PLoS ONE</i> , 2019, 14, e0216930.	1.1	5
26	Sexual ornaments but not weapons trade off against testes size in primates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182542.	1.2	20
27	High frequency audible calls in northern birch mice <i>Sicista betulina</i> in response to handling: effects of individuality, sex and body mass on the acoustics. <i>BMC Research Notes</i> , 2019, 12, 677.	0.6	3
28	Characteristics of tiger moth (<i>Erebidae: Arctiinae</i>) anti-bat sounds can be predicted from tymbal morphology. <i>Frontiers in Zoology</i> , 2019, 16, 45.	0.9	8
29	Acoustical Signals In Air and Water. , 2019, , 438-448.		2
30	Individual and population variation of linear and non-linear components of the advertisement call of Darwin's frog (<i>Rhinoderma darwinii</i>). <i>Bioacoustics</i> , 2020, 29, 572-589.	0.7	6
31	Selection for Rhythm as a Trigger for Recursive Evolution in the Elaborate Display System of Woodpeckers. <i>American Naturalist</i> , 2020, 195, 772-787.	1.0	13
32	Cross-species effect of separation calls: family dogs' reactions to pup, baby, kitten and artificial sounds. <i>Animal Behaviour</i> , 2020, 168, 169-185.	0.8	3
33	Vocal Indicators of Size, Shape and Body Composition in Polish Men. <i>Journal of Voice</i> , 2020, , .	0.6	5
34	Acoustic allometry and vocal learning in mammals. <i>Biology Letters</i> , 2020, 16, 20200081.	1.0	17
35	Think Before They Squeak: Vocalizations of the Squirrel Family. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	8
36	Rapid evolution of the primate larynx?. <i>PLoS Biology</i> , 2020, 18, e3000764.	2.6	12

#	ARTICLE	IF	CITATIONS
37	Emotional Voice Intonation: A Communication Code at the Origins of Speech Processing and Word-Meaning Associations?. <i>Journal of Nonverbal Behavior</i> , 2020, 44, 395-417.	0.6	8
38	Evolution of communication signals and information during species radiation. <i>Nature Communications</i> , 2020, 11, 4970.	5.8	30
39	Sound Predicts Meaning: Cross-Modal Associations Between Formant Frequency and Emotional Tone in Stanzas. <i>Cognitive Science</i> , 2020, 44, e12906.	0.8	5
40	Dominance status and copulatory vocalizations among male stump-tailed macaques in Thailand. <i>Primates</i> , 2020, 61, 685-694.	0.7	3
41	Allometric escape from acoustic constraints is rare for frog calls. <i>Ecology and Evolution</i> , 2020, 10, 3686-3695.	0.8	34
42	Bound for Specific Sounds: Vocal Predisposition in Animal Communication. <i>Trends in Cognitive Sciences</i> , 2020, 24, 690-693.	4.0	3
43	Polyphony of domestic dog whines and vocal cues to body size. <i>Environmental Epigenetics</i> , 2021, 67, 165-176.	0.9	14
44	Male voice pitch mediates the relationship between objective and perceived formidability. <i>Evolution and Human Behavior</i> , 2021, 42, 121-129.	1.4	22
45	Nonverbal auditory communication – Evidence for integrated neural systems for voice signal production and perception. <i>Progress in Neurobiology</i> , 2021, 199, 101948.	2.8	19
46	Selection on vocal output affects laryngeal morphology in rats. <i>Journal of Anatomy</i> , 2021, 238, 1179-1190.	0.9	7
47	Vocal Indicators of Dominance. , 2021, , 8455-8460.		0
48	Efficacy in deceptive vocal exaggeration of human body size. <i>Nature Communications</i> , 2021, 12, 968.	5.8	15
49	Allometric escape and acoustic signal features facilitate high-frequency communication in an endemic Chinese primate. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021, 207, 327-336.	0.7	8
50	Complex vocal learning and three-dimensional mating environments. <i>Biology and Philosophy</i> , 2021, 36, 1.	0.7	6
51	Camel whistling vocalisations: male and female call structure and context in <i>Camelus bactrianus</i> and <i>Camelus dromedarius</i> . <i>Bioacoustics</i> , 2022, 31, 132-147.	0.7	6
52	Neurocognitive processing efficiency for discriminating human non-alarm rather than alarm scream calls. <i>PLoS Biology</i> , 2021, 19, e3000751.	2.6	4
53	How Loud Can you go? Physical and Physiological Constraints to Producing High Sound Pressures in Animal Vocalizations. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	14
54	Bearded seal (<i>Erignathus barbatus</i>) vocalizations across seasons and habitat types in Svalbard, Norway. <i>Polar Biology</i> , 2021, 44, 1273-1287.	0.5	2

#	ARTICLE	IF	CITATIONS
55	A novel theory of Asian elephant high-frequency squeak production. BMC Biology, 2021, 19, 121.	1.7	7
56	Harsh is large: nonlinear vocal phenomena lower voice pitch and exaggerate body size. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210872.	1.2	13
57	Roars, groans and moans: Anatomical correlates of vocal diversity in polygynous deer. Journal of Anatomy, 2021, 239, 1336-1369.	0.9	3
58	Effect of Ventricular Folds on Vocalization Fundamental Frequency in Domestic Pigs (<i>Sus scrofa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	0.6	5
59	Ontogeny of audible squeaks in yellow steppe lemming <i>Eolagurus luteus</i> : trend towards shorter and low-frequency calls is reminiscent of those in ultrasonic vocalization. BMC Zoology, 2021, 6, .	0.3	8
60	Coding of Static Information in Terrestrial Mammal Vocal Signals. Animal Signals and Communication, 2020, , 115-136.	0.4	9
61	Vocal Indicators of Dominance. , 2016, , 1-6.		2
62	Effect of pitch range on dogs' response to conspecific vs. heterospecific distress cries. Scientific Reports, 2021, 11, 19723.	1.6	5
64	Emotion Communication Through Voice Modulation: Insights on Biological and Evolutionary Underpinnings of Language. Theoria Et Historia Scientiarum, 0, 16, 83.	0.4	1
66	Predicting strength from aggressive vocalizations versus speech in African bushland and urban communities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200403.	1.8	12
67	Rethinking the frequency code: a meta-analytic review of the role of acoustic body size in communicative phenomena. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200400.	1.8	14
68	Crocodylia Communication. , 2020, , 1-10.		0
69	Morphological disparity and evolutionary transformations in the primate hyoid apparatus. Journal of Human Evolution, 2022, 162, 103094.	1.3	3
70	A cross-species framework to identify vocal learning abilities in mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200394.	1.8	2
71	Vocal size exaggeration may have contributed to the origins of vocalic complexity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200401.	1.8	4
72	Static and dynamic formant scaling conveys body size and aggression. Royal Society Open Science, 2022, 9, 211496.	1.1	5
73	High-pitch sounds small for domestic dogs: abstract crossmodal correspondences between auditory pitch and visual size. Royal Society Open Science, 2022, 9, 211647.	1.1	9
74	Speech timing cues reveal deceptive speech in social deduction board games. PLoS ONE, 2022, 17, e0263852.	1.1	4

#	ARTICLE	IF	CITATIONS
75	Individual differences in vocal size exaggeration. <i>Scientific Reports</i> , 2022, 12, 2611.	1.6	5
76	Phenotype constrains the vocal tract in the most dimorphic mammal, the southern elephant seal. <i>Canadian Journal of Zoology</i> , 0, , .	0.4	0
77	Comparative Analysis of the Vocal Repertoires of the Indri (<i>Indri indri</i>) and the Diademed Sifaka (<i>Propithecus diadema</i>). <i>International Journal of Primatology</i> , 2022, 43, 733-751.	0.9	10
78	Sound-meaning relations in Japanese Tanka. <i>Scientific Study of Literature</i> , 2021, 11, 3-34.	0.2	0
79	Honest signaling in mouse lemur vocalizations?. <i>International Journal of Primatology</i> , 0, , 1.	0.9	2
83	Vocal tract allometry in a mammalian vocal learner. <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1
84	Nonlinear vocal phenomena affect human perceptions of distress, size and dominance in puppy whines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220429.	1.2	7
85	Music for animal welfare: A critical review & conceptual framework. <i>Applied Animal Behaviour Science</i> , 2022, 251, 105641.	0.8	11
86	Crocodylia Communication. , 2022, , 1844-1853.		0
87	Selection levels on vocal individuality: strategic use or byproduct. <i>Current Opinion in Behavioral Sciences</i> , 2022, 46, 101140.	2.0	4
88	Postnatal remodeling of the laryngeal airway removes body size dependency of spectral features for ultrasonic whistling in laboratory mice. <i>Journal of Zoology</i> , 2022, 318, 114-126.	0.8	5
89	Coevolution of social and communicative complexity in lemurs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	1.8	6
90	Sound Visualization Demonstrates Velopharyngeal Coupling and Complex Spectral Variability in Asian Elephants. <i>Animals</i> , 2022, 12, 2119.	1.0	3
91	What's next for size-sound symbolism?. , 0, 1, .		0
92	A Collection of Best Practices for the Collection and Analysis of Bioacoustic Data. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12046.	1.3	3
93	Correlated evolution of wing morphology and echolocation calls in bats. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	7
94	Dynamic System Coupling in Voice Production. <i>Journal of Voice</i> , 2023, , .	0.6	7
95	Voice Cues: Intersexual Selection. , 2023, , 1-8.		0

#	ARTICLE	IF	CITATIONS
97	Beyond Broca: neural architecture and evolution of a dual motor speech coordination system. <i>Brain</i> , 2023, 146, 1775-1790.	3.7	17
98	Advertising sex and individual identity by long-distance chirps in wild living mature cheetahs (<i>Acinonyx jubatus</i>). <i>Ethology</i> , 2023, 129, 288-300.	0.5	3
99	The evolution of primate vocal communication: a social route. <i>Revue De Primatologie</i> , 2022, , .	0.0	0
109	Vocal Pitch: Formidability. , 2023, , 1-5.		0
113	Sound Communication in Nature. , 2024, , 1-26.		0