

Mark A Bee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5636061/publications.pdf>

Version: 2024-02-01

115
papers

4,369
citations

94433

37
h-index

133252

59
g-index

125
all docs

125
docs citations

125
times ranked

2138
citing authors

#	ARTICLE	IF	CITATIONS
1	The cocktail party problem: What is it? How can it be solved? And why should animal behaviorists study it?. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2008, 122, 235-251.	0.5	292
2	Acoustic sequences in non-human animals: a tutorial review and prospectus. <i>Biological Reviews</i> , 2016, 91, 13-52.	10.4	213
3	Auditory masking of anuran advertisement calls by road traffic noise. <i>Animal Behaviour</i> , 2007, 74, 1765-1776.	1.9	183
4	Male green frogs lower the pitch of acoustic signals in defense of territories: a possible dishonest signal of size?. <i>Behavioral Ecology</i> , 2000, 11, 169-177.	2.2	138
5	Individual Variation in Advertisement Calls of Territorial Male Green Frogs, <i>Rana clamitans</i> : Implications for Individual Discrimination. <i>Ethology</i> , 2001, 107, 65-84.	1.1	131
6	Neighbour-stranger discrimination by territorial male bullfrogs (<i>Rana catesbeiana</i>): I. Acoustic basis. <i>Animal Behaviour</i> , 2001, 62, 1129-1140.	1.9	125
7	Primitive Auditory Stream Segregation: A Neurophysiological Study in the Songbird Forebrain. <i>Journal of Neurophysiology</i> , 2004, 92, 1088-1104.	1.8	121
8	Individual voice recognition in a territorial frog (<i>Rana catesbeiana</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1443-1448.	2.6	108
9	Size assessment in simulated territorial encounters between male green frogs (<i>Rana clamitans</i>). <i>Behavioral Ecology and Sociobiology</i> , 1999, 45, 177-184.	1.4	104
10	Finding a mate at a cocktail party: spatial release from masking improves acoustic mate recognition in grey treefrogs. <i>Animal Behaviour</i> , 2008, 75, 1781-1791.	1.9	96
11	An experimental test of noise-dependent voice amplitude regulation in Cope's grey treefrog, <i>Hyla chrysoscelis</i> . <i>Animal Behaviour</i> , 2010, 80, 509-515.	1.9	88
12	Neighbour-stranger discrimination by territorial male bullfrogs (<i>Rana catesbeiana</i>): II. Perceptual basis. <i>Animal Behaviour</i> , 2001, 62, 1141-1150.	1.9	77
13	Receiver psychology turns 20: is it time for a broader approach?. <i>Animal Behaviour</i> , 2012, 83, 331-343.	1.9	77
14	Sound source segregation in grey treefrogs: spatial release from masking by the sound of a chorus. <i>Animal Behaviour</i> , 2007, 74, 549-558.	1.9	73
15	Auditory Stream Segregation in the Songbird Forebrain: Effects of Time Intervals on Responses to Interleaved Tone Sequences. <i>Brain, Behavior and Evolution</i> , 2005, 66, 197-214.	1.7	72
16	Call matching in the quacking frog (<i>Crinia georgiana</i>). <i>Behavioral Ecology and Sociobiology</i> , 2000, 48, 243-251.	1.4	69
17	Treefrogs as animal models for research on auditory scene analysis and the cocktail party problem. <i>International Journal of Psychophysiology</i> , 2015, 95, 216-237.	1.0	66
18	Responses To Conspecific Advertisement Calls in the Green Frog (<i>Rana Clamitans</i>) and Their Role in Male-Male Communication. <i>Behaviour</i> , 1996, 133, 283-301.	0.8	65

#	ARTICLE	IF	CITATIONS
19	A test of the "dear enemy effect" in the strawberry dart-poison frog (<i>Dendrobates pumilio</i>). Behavioral Ecology and Sociobiology, 2003, 54, 601-610.	1.4	65
20	Dip listening and the cocktail party problem in grey treefrogs: signal recognition in temporally fluctuating noise. Animal Behaviour, 2011, 82, 1319-1327.	1.9	64
21	Multitasking males and multiplicative females: dynamic signalling and receiver preferences in Cope's grey treefrog. Animal Behaviour, 2013, 86, 231-243.	1.9	64
22	Selective phonotaxis by male wood frogs (<i>Rana sylvatica</i>) to the sound of a chorus. Behavioral Ecology and Sociobiology, 2007, 61, 955-966.	1.4	63
23	Anuran Acoustic Signal Production in Noisy Environments. Animal Signals and Communication, 2013, , 91-132.	0.8	59
24	Habituation as a mechanism of reduced aggression between neighboring territorial male bullfrogs (<i>Rana catesbeiana</i>).. Journal of Comparative Psychology (Washington, D C: 1983), 2001, 115, 68-82.	0.5	58
25	Sound source perception in anuran amphibians. Current Opinion in Neurobiology, 2012, 22, 301-310.	4.2	55
26	Multivariate phenotypic selection on a complex sexual signal. Evolution; International Journal of Organic Evolution, 2017, 71, 1742-1754.	2.3	55
27	Do female frogs exploit inadvertent social information to locate breeding aggregations?. Canadian Journal of Zoology, 2007, 85, 921-932.	1.0	54
28	Behavioral measures of signal recognition thresholds in frogs in the presence and absence of chorus-shaped noise. Journal of the Acoustical Society of America, 2009, 126, 2788-2801.	1.1	54
29	Plasticity of aggressive signalling and its evolution in male spring peepers, <i>Pseudacris crucifer</i> . Animal Behaviour, 2003, 65, 1223-1234.	1.9	51
30	Territorial male bullfrogs (<i>Rana catesbeiana</i>) do not assess fighting ability based on size-related variation in acoustic signals. Behavioral Ecology, 2002, 13, 109-124.	2.2	50
31	Parallel female preferences for call duration in a diploid ancestor of an allotetraploid treefrog. Animal Behaviour, 2008, 76, 845-853.	1.9	50
32	Assessment and Recognition of Rivals in Anuran Contests. Advances in the Study of Behavior, 2016, , 161-249.	1.6	50
33	Neural adaptation to tone sequences in the songbird forebrain: patterns, determinants, and relation to the build-up of auditory streaming. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2010, 196, 543-557.	1.6	48
34	Spatial release from masking in a free-field source identification task by gray treefrogs. Hearing Research, 2012, 285, 86-97.	2.0	44
35	Auditory brainstem responses in Cope's gray treefrog (<i>Hyla chrysoscelis</i>): effects of frequency, level, sex and size. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2014, 200, 221-238.	1.6	44
36	Advertisement Call Variation in the Golden Rocket Frog (<i>Anomaloglossus beebei</i>): Evidence for Individual Distinctiveness. Ethology, 2013, 119, 244-256.	1.1	43

#	ARTICLE	IF	CITATIONS
37	Finding Your Mate at a Cocktail Party: Frequency Separation Promotes Auditory Stream Segregation of Concurrent Voices in Multi-Species Frog Choruses. PLoS ONE, 2011, 6, e21191.	2.5	43
38	Signal recognition by frogs in the presence of temporally fluctuating chorus-shaped noise. Behavioral Ecology and Sociobiology, 2010, 64, 1695-1709.	1.4	41
39	Sound level discrimination by gray treefrogs in the presence and absence of chorus-shaped noise. Journal of the Acoustical Society of America, 2012, 131, 4188-4195.	1.1	40
40	Within-individual variation in bullfrog vocalizations: Implications for a vocally mediated social recognition system. Journal of the Acoustical Society of America, 2004, 116, 3770-3781.	1.1	39
41	Territorial olive frogs display lower aggression towards neighbours than strangers based on individual vocal signatures. Animal Behaviour, 2017, 123, 217-228.	1.9	37
42	Anuran Acoustic Signal Perception in Noisy Environments. Animal Signals and Communication, 2013, , 133-185.	0.8	36
43	Assessing Acoustic Signal Variability and the Potential for Sexual Selection and Social Recognition in Boreal Chorus Frogs (<i>Pseudacris f. maculata</i>). Ethology, 2010, 116, 564-576.	1.1	33
44	Sound transmission and the recognition of temporally degraded sexual advertisement signals in Cope's gray treefrog (<i>Hyla chrysoscelis</i>). Journal of Experimental Biology, 2010, 213, 2840-2850.	1.7	32
45	Frogs Exploit Statistical Regularities in Noisy Acoustic Scenes to Solve Cocktail-Party-like Problems. Current Biology, 2017, 27, 743-750.	3.9	32
46	Does common spatial origin promote the auditory grouping of temporally separated signal elements in grey treefrogs?. Animal Behaviour, 2008, 76, 831-843.	1.9	31
47	Socially Mediated Pitch Alteration by Territorial Male Bullfrogs, <i>Rana catesbeiana</i> . Journal of Herpetology, 2002, 36, 140-143.	0.5	30
48	Spatial release from masking improves sound pattern discrimination along a biologically relevant pulse-rate continuum in gray treefrogs. Hearing Research, 2013, 306, 63-75.	2.0	28
49	Recognition and Localization of Acoustic Signals. , 2007, , 113-146.		27
50	Quantitative acoustic analysis of the vocal repertoire of the golden rocket frog (<i>Anomaloglossus</i>) Tj ETQq0 0 0 rgBTj Overlock, 10 Tf 50 2	1.1	27
51	Habituation and sensitization of aggression in bullfrogs (<i>Rana catesbeiana</i>): Testing the dual-process theory of habituation.. Journal of Comparative Psychology (Washington, D C: 1983), 2001, 115, 307-316.	0.5	26
52	Experience-based plasticity of acoustically evoked aggression in a territorial frog. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2003, 189, 485-496.	1.6	26
53	All's well that begins Wells: celebrating 60 years of Animal Behaviour and 36 years of research on anuran social behaviour. Animal Behaviour, 2013, 85, 5-18.	1.9	26
54	Vocal Behavior of the Ponmudi Bush Frog (<i>Raorchestes graminirupes</i>): Repertoire and Individual Variation. Herpetologica, 2013, 69, 22-35.	0.4	26

#	ARTICLE	IF	CITATIONS
55	Ecological and social drivers of neighbor recognition and the dear enemy effect in a poison frog. <i>Behavioral Ecology</i> , 2021, 32, 138-150.	2.2	26
56	Dip listening or modulation masking? Call recognition by green treefrogs (<i>Hyla cinerea</i>) in temporally fluctuating noise. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012, 198, 891-904.	1.6	25
57	Signal recognition by green treefrogs (<i>Hyla cinerea</i>) and Cope's gray treefrogs (<i>Hyla chrysoscelis</i>) in naturally fluctuating noise.. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2013, 127, 166-178.	0.5	25
58	Context-dependent plasticity of aggressive signalling in a dynamic social environment. <i>Animal Behaviour</i> , 2009, 78, 915-924.	1.9	24
59	Female preferences for spectral call properties in the western genetic lineage of Cope's gray treefrog (<i>Hyla chrysoscelis</i>). <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1595-1606.	1.4	24
60	Testing an auditory illusion in frogs: perceptual restoration or sensory bias?. <i>Animal Behaviour</i> , 2010, 79, 1317-1328.	1.9	23
61	Within-individual variation in sexual displays: signal or noise?. <i>Behavioral Ecology</i> , 2019, 30, 80-91.	2.2	23
62	Assessing stimulus and subject influences on auditory evoked potentials and their relation to peripheral physiology in green treefrogs (<i>Hyla cinerea</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 178, 68-81.	1.8	22
63	Spatial hearing in Cope's gray treefrog: I. Open and closed loop experiments on sound localization in the presence and absence of noise. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 265-284.	1.6	22
64	The vocal repertoire of <i>Pseudophilautus kani</i> , a shrub frog (Anura: Rhacophoridae) from the Western Ghats of India. <i>Bioacoustics</i> , 2013, 22, 67-85.	1.7	21
65	Spectral preferences and the role of spatial coherence in simultaneous integration in gray treefrogs (<i>Hyla chrysoscelis</i>).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2010, 124, 412-424.	0.5	20
66	The difference a day makes: Breeding remodels hearing, hormones and behavior in female Cope's gray treefrogs (<i>Hyla chrysoscelis</i>). <i>Hormones and Behavior</i> , 2019, 108, 62-72.	2.1	19
67	Progesterone and prostaglandin F ₂ ± induce species-typical female preferences for male sexual displays in Cope's gray treefrog (<i>Hyla chrysoscelis</i>). <i>Physiology and Behavior</i> , 2015, 152, 280-287.	2.1	18
68	Sound source localization and segregation with internally coupled ears: the treefrog model. <i>Biological Cybernetics</i> , 2016, 110, 271-290.	1.3	18
69	Brilliant-thighed poison frogs do not use acoustic identity information to treat territorial neighbours as dear enemies. <i>Animal Behaviour</i> , 2018, 141, 203-220.	1.9	18
70	Inconsistent sexual signaling degrades optimal mating decisions in animals. <i>Science Advances</i> , 2020, 6, eaax3957.	10.3	16
71	A unique mating strategy without physical contact during fertilization in Bombay Night Frogs (<i>Nyctibatrachus humayuni</i>) with the description of a new form of amplexus and female call. <i>PeerJ</i> , 2016, 4, e2117.	2.0	16
72	EQUIPMENT REVIEW. <i>Bioacoustics</i> , 2004, 14, 171-178.	1.7	15

#	ARTICLE	IF	CITATIONS
73	Detecting modulated signals in modulated noise: (II) neural thresholds in the songbird forebrain. European Journal of Neuroscience, 2007, 26, 1979-1994.	2.6	15
74	Lung mediated auditory contrast enhancement improves the Signal-to-noise ratio for communication in frogs. Current Biology, 2021, 31, 1488-1498.e4.	3.9	15
75	Mate choice and the "opposite miss" to Weber's law: proportional processing governs signal preferences in a treefrog. Animal Behaviour, 2020, 168, 199-209.	1.9	15
76	Convergent evolution of a blood-red nectar pigment in vertebrate-pollinated flowers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
77	Quantitative description of the vocal repertoire of the territorial olive frog <i>Babina adenopleura</i> from Taiwan. Bioacoustics, 2016, 25, 1-18.	1.7	14
78	Spatial hearing in Cope's gray treefrog: II. Frequency-dependent directionality in the amplitude and phase of tympanum vibrations. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2014, 200, 285-304.	1.6	13
79	Predictors and benefits of microhabitat selection for offspring deposition in golden rocket frogs. Biotropica, 2018, 50, 919-928.	1.6	13
80	Short Amplexus Duration in a Territorial Anuran: A Possible Adaptation in Response to Male-Male Competition. PLoS ONE, 2013, 8, e83116.	2.5	13
81	Individual Recognition in Animal Species. , 2006, , 617-626.		12
82	Pulse-number discrimination by Cope's gray treefrog (<i>Hyla chrysoscelis</i>) in modulated and unmodulated noise. Journal of the Acoustical Society of America, 2013, 134, 3079-3089.	1.1	12
83	Vocal Behavior of the Elusive Purple Frog of India (<i>Nasikabatrachus sahyadrensis</i>), a Fossorial Species Endemic to the Western Ghats. PLoS ONE, 2014, 9, e84809.	2.5	12
84	A meta-analytic castle built on sand? A comment on Roca et al.. Behavioral Ecology, 2016, 27, 1277-1278.	2.2	12
85	Evolutionary adaptations for the temporal processing of natural sounds by the anuran peripheral auditory system. Journal of Experimental Biology, 2015, 218, 837-48.	1.7	11
86	Nonlinear processing of a multicomponent communication signal by combination-sensitive neurons in the anuran inferior colliculus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2017, 203, 749-772.	1.6	11
87	The paradox of hearing at the lek: auditory sensitivity increases after breeding in female gray treefrogs (<i>Hyla chrysoscelis</i>). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 629-639.	1.6	11
88	Masking release in temporally fluctuating noise depends on comodulation and overall level in Cope's gray treefrog. Journal of the Acoustical Society of America, 2018, 144, 2354-2362.	1.1	10
89	Females prefer the calls of better fathers in a Neotropical frog with biparental care. Behavioral Ecology, 0, , .	2.2	10
90	The signal in noise: acoustic information for soundscape orientation in two North American tree frogs. Behavioral Ecology, 2017, 28, 844-853.	2.2	9

#	ARTICLE	IF	CITATIONS
91	An integrative approach to infer systematic relationships and define species groups in the shrub frog genus <i>Raorchestes</i> , with description of five new species from the Western Ghats, India. PeerJ, 2021, 9, e10791.	2.0	9
92	Social Recognition in Anurans. Animal Signals and Communication, 2016, , 169-221.	0.8	9
93	Neural basis of acoustic species recognition in a cryptic species complex. Journal of Experimental Biology, 2021, 224, .	1.7	9
94	Is habituation a mechanism for neighbor recognition in green frogs?. Behavioral Ecology and Sociobiology, 2000, 48, 165-168.	1.4	7
95	Inherent Directionality Determines Spatial Release from Masking at the Tympanum in a Vertebrate with Internally Coupled Ears. JARO - Journal of the Association for Research in Otolaryngology, 2016, 17, 259-270.	1.8	7
96	SIGNAL DETECTION ENHANCED BY COMODULATED NOISE. Fluctuation and Noise Letters, 2006, 06, L339-L347.	1.5	6
97	Principles of Auditory Object Formation by Nonhuman Animals. Springer Handbook of Auditory Research, 2018, , 47-82.	0.7	6
98	Moderately elevated glucocorticoids increase mate choosiness but do not affect sexual proceptivity or preferences in female gray treefrogs. Hormones and Behavior, 2021, 130, 104950.	2.1	6
99	Treefrogs exploit temporal coherence to form perceptual objects of communication signals. Biology Letters, 2020, 16, 20200573.	2.3	6
100	Identity signaling, identity reception, and the evolution of social recognition in a Neotropical frog. Evolution; International Journal of Organic Evolution, 2022, 76, 158-170.	2.3	6
101	Calls of Recently Introduced Coqui Frogs Do Not Interfere with Cricket Phonotaxis in Hawaii. Journal of Insect Behavior, 2017, 30, 60-69.	0.7	5
102	Species Recognition Is Constrained by Chorus Noise, but Not Inconsistency in Signal Production, in Copeia's Gray Treefrog (<i>Hyla chrysoscelis</i>). Frontiers in Ecology and Evolution, 2020, 8, .	2.2	5
103	Female t'ngara frogs do not experience the continuity illusion.. Behavioral Neuroscience, 2016, 130, 62-74.	1.2	5
104	Lung-to-ear sound transmission does not improve directional hearing in green treefrogs (<i>Hyla</i>). The Journal of Neuroscience, 2017, 37, 1174-1184.	1.7	4
105	SynSing: open-source MATLAB code for generating synthetic signals in studies of animal acoustic communication. Bioacoustics, 2020, 29, 731-752.	1.7	3
106	Customizable Recorder of Animal Kinesis (CRoAK): A multi-axis instrumented enclosure for measuring animal movements. HardwareX, 2020, 8, e00116.	2.2	3
107	Signaler and Receiver Psychology. Animal Signals and Communication, 2016, , 1-16.	0.8	3
108	Predicting and Measuring Decision Rules for Social Recognition in a Neotropical Frog. American Naturalist, 2022, 200, E77-E92.	2.1	3

#	ARTICLE	IF	CITATIONS
109	Vocal sacs do not function in multimodal mate attraction under nocturnal illumination in Cope's grey treefrog. <i>Animal Behaviour</i> , 2022, , .	1.9	3
110	Where, who, and when? Key drivers of territorial responses: a comment on Christensen and Radford. <i>Behavioral Ecology</i> , 2018, 29, 1014-1014.	2.2	2
111	Social Communication across Reproductive Boundaries: Hormones and the Auditory Periphery of Songbirds and Frogs. <i>Integrative and Comparative Biology</i> , 2021, 61, 292-301.	2.0	2
112	CD REVIEW. <i>Bioacoustics</i> , 2008, 18, 97-98.	1.7	0
113	Calling in gray treefrog choruses: modifications and mysteries. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
114	Noise knows no limits. <i>Current Biology</i> , 2015, 25, R736-R739.	3.9	0
115	Anuran Auditory Systems as Models for Understanding Sensory Processing and the Evolution of Communication. , 2020, , 138-148.		0