

# Mark A Bee

## List of Publications by Year in descending order

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115  
papers

4,369  
citations

94269

37  
h-index

133063

59  
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125  
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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.	0.3	292
2	Acoustic sequences in non-human animals: a tutorial review and prospectus. <i>Biological Reviews</i> , 2016, 91, 13-52.	4.7	213
3	Auditory masking of anuran advertisement calls by road traffic noise. <i>Animal Behaviour</i> , 2007, 74, 1765-1776.	0.8	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.	1.0	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.	0.5	131
6	Neighbour-stranger discrimination by territorial male bullfrogs ( <i>Rana catesbeiana</i> ): I. Acoustic basis. <i>Animal Behaviour</i> , 2001, 62, 1129-1140.	0.8	125
7	Primitive Auditory Stream Segregation: A Neurophysiological Study in the Songbird Forebrain. <i>Journal of Neurophysiology</i> , 2004, 92, 1088-1104.	0.9	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.	1.2	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.	0.6	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.	0.8	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.	0.8	88
12	Neighbour-stranger discrimination by territorial male bullfrogs ( <i>Rana catesbeiana</i> ): II. Perceptual basis. <i>Animal Behaviour</i> , 2001, 62, 1141-1150.	0.8	77
13	Receiver psychology turns 20: is it time for a broader approach?. <i>Animal Behaviour</i> , 2012, 83, 331-343.	0.8	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.	0.8	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.	0.9	72
16	Call matching in the quacking frog ( <i>Crinia georgiana</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2000, 48, 243-251.	0.6	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.	0.5	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.	0.4	65

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19	A test of the "dear enemy effect" in the strawberry dart-poison frog ( <i>Dendrobates pumilio</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2003, 54, 601-610.	0.6	65
20	Dip listening and the cocktail party problem in grey treefrogs: signal recognition in temporally fluctuating noise. <i>Animal Behaviour</i> , 2011, 82, 1319-1327.	0.8	64
21	Multitasking males and multiplicative females: dynamic signalling and receiver preferences in Cope's grey treefrog. <i>Animal Behaviour</i> , 2013, 86, 231-243.	0.8	64
22	Selective phonotaxis by male wood frogs ( <i>Rana sylvatica</i> ) to the sound of a chorus. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 955-966.	0.6	63
23	Anuran Acoustic Signal Production in Noisy Environments. <i>Animal Signals and Communication</i> , 2013, , 91-132.	0.4	59
24	Habituation as a mechanism of reduced aggression between neighboring territorial male bullfrogs ( <i>Rana catesbeiana</i> ).. <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 2001, 115, 68-82.	0.3	58
25	Sound source perception in anuran amphibians. <i>Current Opinion in Neurobiology</i> , 2012, 22, 301-310.	2.0	55
26	Multivariate phenotypic selection on a complex sexual signal. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1742-1754.	1.1	55
27	Do female frogs exploit inadvertent social information to locate breeding aggregations?. <i>Canadian Journal of Zoology</i> , 2007, 85, 921-932.	0.4	54
28	Behavioral measures of signal recognition thresholds in frogs in the presence and absence of chorus-shaped noise. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 2788-2801.	0.5	54
29	Plasticity of aggressive signalling and its evolution in male spring peepers, <i>Pseudacris crucifer</i> . <i>Animal Behaviour</i> , 2003, 65, 1223-1234.	0.8	51
30	Territorial male bullfrogs ( <i>Rana catesbeiana</i> ) do not assess fighting ability based on size-related variation in acoustic signals. <i>Behavioral Ecology</i> , 2002, 13, 109-124.	1.0	50
31	Parallel female preferences for call duration in a diploid ancestor of an allotetraploid treefrog. <i>Animal Behaviour</i> , 2008, 76, 845-853.	0.8	50
32	Assessment and Recognition of Rivals in Anuran Contests. <i>Advances in the Study of Behavior</i> , 2016, , 161-249.	1.0	50
33	Neural adaptation to tone sequences in the songbird forebrain: patterns, determinants, and relation to the build-up of auditory streaming. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 543-557.	0.7	48
34	Spatial release from masking in a free-field source identification task by gray treefrogs. <i>Hearing Research</i> , 2012, 285, 86-97.	0.9	44
35	Auditory brainstem responses in Cope's gray treefrog ( <i>Hyla chrysoscelis</i> ): effects of frequency, level, sex and size. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 221-238.	0.7	44
36	Advertisement Call Variation in the Golden Rocket Frog ( <i>Anomaloglossus beebei</i> ): Evidence for Individual Distinctiveness. <i>Ethology</i> , 2013, 119, 244-256.	0.5	43

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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.	1.1	43
38	Signal recognition by frogs in the presence of temporally fluctuating chorus-shaped noise. Behavioral Ecology and Sociobiology, 2010, 64, 1695-1709.	0.6	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.	0.5	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.	0.5	39
41	Territorial olive frogs display lower aggression towards neighbours than strangers based on individual vocal signatures. Animal Behaviour, 2017, 123, 217-228.	0.8	37
42	Anuran Acoustic Signal Perception in Noisy Environments. Animal Signals and Communication, 2013, , 133-185.	0.4	36
43	Assessing Acoustic Signal Variability and the Potential for Sexual Selection and Social Recognition in Boreal Chorus Frogs ( <i>Pseudacris maculata</i> ). Ethology, 2010, 116, 564-576.	0.5	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.	0.8	32
45	Frogs Exploit Statistical Regularities in Noisy Acoustic Scenes to Solve Cocktail-Party-like Problems. Current Biology, 2017, 27, 743-750.	1.8	32
46	Does common spatial origin promote the auditory grouping of temporally separated signal elements in gray treefrogs?. Animal Behaviour, 2008, 76, 831-843.	0.8	31
47	Socially Mediated Pitch Alteration by Territorial Male Bullfrogs, <i>Rana catesbeiana</i> . Journal of Herpetology, 2002, 36, 140-143.	0.2	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.	0.9	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 rgBT /Overlock 10 Tf 50 2	0.5	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.	0.3	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.	0.7	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.	0.8	26
54	Vocal Behavior of the Pomudi Bush Frog ( <i>Raorchestes graminirupes</i> ): Repertoire and Individual Variation. Herpetologica, 2013, 69, 22-35.	0.2	26

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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.	1.0	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.	0.7	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 (Washington, D C: 1983)</i> , 2013, 127, 166-178.	0.3	25
58	Context-dependent plasticity of aggressive signalling in a dynamic social environment. <i>Animal Behaviour</i> , 2009, 78, 915-924.	0.8	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.	0.6	24
60	Testing an auditory illusion in frogs: perceptual restoration or sensory bias?. <i>Animal Behaviour</i> , 2010, 79, 1317-1328.	0.8	23
61	Within-individual variation in sexual displays: signal or noise?. <i>Behavioral Ecology</i> , 2019, 30, 80-91.	1.0	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 &amp; Integrative Physiology</i> , 2014, 178, 68-81.	0.8	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.	0.7	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.	0.7	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 (Washington, D C: 1983)</i> , 2010, 124, 412-424.	0.3	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.	1.0	19
67	Progesterone and prostaglandin F2± 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.	1.0	18
68	Sound source localization and segregation with internally coupled ears: the treefrog model. <i>Biological Cybernetics</i> , 2016, 110, 271-290.	0.6	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.	0.8	18
70	Inconsistent sexual signaling degrades optimal mating decisions in animals. <i>Science Advances</i> , 2020, 6, eaax3957.	4.7	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.	0.9	16
72	EQUIPMENT REVIEW. <i>Bioacoustics</i> , 2004, 14, 171-178.	0.7	15

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73	Detecting modulated signals in modulated noise: (II) neural thresholds in the songbird forebrain. <i>European Journal of Neuroscience</i> , 2007, 26, 1979-1994.	1.2	15
74	Lung mediated auditory contrast enhancement improves the Signal-to-noise ratio for communication in frogs. <i>Current Biology</i> , 2021, 31, 1488-1498.e4.	1.8	15
75	Mate choice and the "opposite miss" to Weber's law: proportional processing governs signal preferences in a treefrog. <i>Animal Behaviour</i> , 2020, 168, 199-209.	0.8	15
76	Convergent evolution of a blood-red nectar pigment in vertebrate-pollinated flowers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	15
77	Quantitative description of the vocal repertoire of the territorial olive frog <i>Babina adenopleura</i> from Taiwan. <i>Bioacoustics</i> , 2016, 25, 1-18.	0.7	14
78	Spatial hearing in Cope's gray treefrog: II. Frequency-dependent directionality in the amplitude and phase of tympanum vibrations. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 285-304.	0.7	13
79	Predictors and benefits of microhabitat selection for offspring deposition in golden rocket frogs. <i>Biotropica</i> , 2018, 50, 919-928.	0.8	13
80	Short Amplexus Duration in a Territorial Anuran: A Possible Adaptation in Response to Male-Male Competition. <i>PLoS ONE</i> , 2013, 8, e83116.	1.1	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. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3079-3089.	0.5	12
83	Vocal Behavior of the Elusive Purple Frog of India ( <i>Nasikabatrachus sahyadrensis</i> ), a Fossorial Species Endemic to the Western Ghats. <i>PLoS ONE</i> , 2014, 9, e84809.	1.1	12
84	A meta-analytic castle built on sand? A comment on Roca et al.. <i>Behavioral Ecology</i> , 2016, 27, 1277-1278.	1.0	12
85	Evolutionary adaptations for the temporal processing of natural sounds by the anuran peripheral auditory system. <i>Journal of Experimental Biology</i> , 2015, 218, 837-48.	0.8	11
86	Nonlinear processing of a multicomponent communication signal by combination-sensitive neurons in the anuran inferior colliculus. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 749-772.	0.7	11
87	The paradox of hearing at the lek: auditory sensitivity increases after breeding in female gray treefrogs ( <i>Hyla chrysoscelis</i> ). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2019, 205, 629-639.	0.7	11
88	Masking release in temporally fluctuating noise depends on comodulation and overall level in Cope's gray treefrog. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 2354-2362.	0.5	10
89	Females prefer the calls of better fathers in a Neotropical frog with biparental care. <i>Behavioral Ecology</i> , 0, , .	1.0	10
90	The signal in noise: acoustic information for soundscape orientation in two North American tree frogs. <i>Behavioral Ecology</i> , 2017, 28, 844-853.	1.0	9

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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.	0.9	9
92	Social Recognition in Anurans. Animal Signals and Communication, 2016, , 169-221.	0.4	9
93	Neural basis of acoustic species recognition in a cryptic species complex. Journal of Experimental Biology, 2021, 224, .	0.8	9
94	Is habituation a mechanism for neighbor recognition in green frogs?. Behavioral Ecology and Sociobiology, 2000, 48, 165-168.	0.6	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.	0.9	7
96	SIGNAL DETECTION ENHANCED BY COMODULATED NOISE. Fluctuation and Noise Letters, 2006, 06, L339-L347.	1.0	6
97	Principles of Auditory Object Formation by Nonhuman Animals. Springer Handbook of Auditory Research, 2018, , 47-82.	0.3	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.	1.0	6
99	Treefrogs exploit temporal coherence to form perceptual objects of communication signals. Biology Letters, 2020, 16, 20200573.	1.0	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.	1.1	6
101	Calls of Recently Introduced Coqui-Frogs Do Not Interfere with Cricket Phonotaxis in Hawaii. Journal of Insect Behavior, 2017, 30, 60-69.	0.4	5
102	Species Recognition Is Constrained by Chorus Noise, but Not Inconsistency in Signal Production, in Cope's Gray Treefrog ( <i>Hyla chrysoscelis</i> ). Frontiers in Ecology and Evolution, 2020, 8, .	1.1	5
103	Female t <sup>o</sup> ngara frogs do not experience the continuity illusion.. Behavioral Neuroscience, 2016, 130, 62-74.	0.6	5
104	Lung-to-ear sound transmission does not improve directional hearing in green treefrogs ( <i>Hyla</i> ). <i>Journal of Experimental Biology</i> , 2010, 223, 104-110.	0.8	4
105	SynSing: open-source MATLAB code for generating synthetic signals in studies of animal acoustic communication. Bioacoustics, 2020, 29, 731-752.	0.7	3
106	Customizable Recorder of Animal Kinesis (CRoAK): A multi-axis instrumented enclosure for measuring animal movements. HardwareX, 2020, 8, e00116.	1.1	3
107	Signaler and Receiver Psychology. Animal Signals and Communication, 2016, , 1-16.	0.4	3
108	Predicting and Measuring Decision Rules for Social Recognition in a Neotropical Frog. American Naturalist, 2022, 200, E77-E92.	1.0	3

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109	Vocal sacs do not function in multimodal mate attraction under nocturnal illumination in Cope's grey treefrog. <i>Animal Behaviour</i> , 2022, , .	0.8	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.	1.0	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.	0.9	2
112	CD REVIEW. <i>Bioacoustics</i> , 2008, 18, 97-98.	0.7	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.	1.8	0
115	Anuran Auditory Systems as Models for Understanding Sensory Processing and the Evolution of Communication. , 2020, , 138-148.		0