

# Guangzhan Fang

## List of Publications by Year in descending order

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33  
papers

334  
citations

687363

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888059

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Electroencephalogram bands modulated by vigilance states in an anuran species: a factor analytic approach. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012, 198, 119-127.	1.6	24
2	Circadian Rhythm of Calling Behavior in the Emei Music Frog (&lt;l&gt;Babina daunchina&lt;/l&gt;) is Associated with Habitat Temperature and Relative Humidity. <i>Asian Herpetological Research</i> , 2011, 2, 149-154.	0.2	24
3	Male vocal competition is dynamic and strongly affected by social contexts in music frogs. <i>Animal Cognition</i> , 2014, 17, 483-494.	1.8	22
4	EEG Bands of Wakeful Rest, Slow-Wave and Rapid-Eye-Movement Sleep at Different Brain Areas in Rats. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 79.	2.1	22
5	Acoustic Analysis of the Advertisement Calls of the Music Frog, <i>Babina daunchina</i> . <i>Journal of Herpetology</i> , 2011, 45, 406-416.	0.5	20
6	The biological significance of acoustic stimuli determines ear preference in the music frog. <i>Journal of Experimental Biology</i> , 2015, 218, 740-747.	1.7	18
7	Mating Signals Indicating Sexual Receptiveness Induce Unique Spatio-Temporal EEG Theta Patterns in an Anuran Species. <i>PLoS ONE</i> , 2012, 7, e52364.	2.5	16
8	Effect of the Level of Anesthesia on the Auditory Brainstem Response in the Emei Music Frog ( <i>Babina</i> ) <a href="#">Tj ETQq0 0 0 rgBT /Overlock 10 Tf</a>	2.5	16
9	Sound Classification and Call Discrimination Are Decoded in Order as Revealed by Event-Related Potential Components in Frogs. <i>Brain, Behavior and Evolution</i> , 2015, 86, 232-245.	1.7	15
10	Receiver discriminability drives the evolution of complex sexual signals by sexual selection. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 922-927.	2.3	15
11	The thermal background determines how the infrared and visual systems interact in pit vipers. <i>Journal of Experimental Biology</i> , 2017, 220, 3103-3109.	1.7	15
12	The First Call Note Plays a Crucial Role in Frog Vocal Communication. <i>Scientific Reports</i> , 2017, 7, 10128.	3.3	15
13	Right ear advantage for vocal communication in frogs results from both structural asymmetry and attention modulation. <i>Behavioural Brain Research</i> , 2014, 266, 77-84.	2.2	14
14	Electroencephalographic signals synchronize with behaviors and are sexually dimorphic during the light&dashrightarrow;dark cycle in reproductive frogs. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 117-127.	1.6	10
15	The effect of different EEG derivations on sleep staging in rats: the frontal midline&dashrightarrow;parietal bipolar electrode for sleep scoring. <i>Physiological Measurement</i> , 2009, 30, 589-601.	2.1	9
16	Auditory perception exhibits sexual dimorphism and left telencephalic dominance in <i>Xenopus laevis</i> . <i>Biology Open</i> , 2018, 7, .	1.2	9
17	Auditory sensitivity exhibits sexual dimorphism and seasonal plasticity in music frogs. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 1029-1044.	1.6	9
18	Long-range correlations of different EEG derivations in rats: sleep stage-dependent generators may play a key role. <i>Physiological Measurement</i> , 2010, 31, 795-808.	2.1	8

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19	Preference of spectral features in auditory processing for advertisement calls in the music frogs. <i>Frontiers in Zoology</i> , 2019, 16, 13.	2.0	8
20	The first call note of the Anhui tree frog ( <i>Rhacophorus zhoukaiya</i> ) is acoustically suited for enabling individual recognition. <i>Bioacoustics</i> , 2019, 28, 155-176.	1.7	7
21	Auditory neural networks for attention prefer biologically significant sounds and exhibit sexual dimorphism in anurans. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	6
22	Sex differences in vocalization are reflected by event-related potential components in the music frog. <i>Animal Cognition</i> , 2020, 23, 477-490.	1.8	6
23	The right thalamus may play an important role in anesthesia-awakening regulation in frogs. <i>PeerJ</i> , 2018, 6, e4516.	2.0	5
24	Resting-state brain networks revealed by granger causal connectivity in frogs. <i>Neuroscience</i> , 2016, 334, 332-340.	2.3	4
25	Hierarchical auditory perception for species discrimination and individual recognition in the music frog. <i>Environmental Epigenetics</i> , 2022, 68, 581-591.	1.8	4
26	Optimized single electroencephalogram channel sleep staging in rats. <i>Laboratory Animals</i> , 2010, 44, 312-322.	1.0	3
27	Dynamics of electroencephalogram oscillations underlie right-eye preferences in predatory behavior of the music frogs. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	3
28	Changes in Electroencephalographic Power Spectra Associated with Reproductive Status in Frog. <i>Lecture Notes in Computer Science</i> , 2011, , 139-147.	1.3	3
29	A lateralized functional auditory network is involved in anuran sexual selection. <i>Journal of Biosciences</i> , 2016, 41, 713-726.	1.1	2
30	Laterality in Responses to Acoustic Stimuli in Giant Pandas. <i>Animals</i> , 2021, 11, 774.	2.3	1
31	Neural activities in music frogs reveal call variations and phylogenetic relationships within the genus <i>Nidirana</i> . <i>Communications Biology</i> , 2022, 5, .	4.4	1
32	Low frequency electroencephalogram oscillations govern left-eye lateralization during anti-predatory responses in the music frog. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	0
33	Possible Event-Related Potential Correlates of Voluntary Attention and Reflexive Attention in the Emei Music Frog. <i>Biology</i> , 2022, 11, 879.	2.8	0