Wen Bo Liao

List of Publications by Year
in descending order

70 papers	1,548 citations	304743 22 h-index	377865 34 g-index
70 all docs	70 docs citations	70 times ranked	944 citing authors

#	Article	IF	Citations
1	Adult body sizeÂ=Âf (initial sizeÂ+Âgrowth rateÂÃ—Âage): explaining the proximate cause of Bergmanâ€™s cline in a toad along altitudinal gradients. Evolutionary Ecology, 2012, 26, 579-590.	1.2	81
2	Age structure and body size of the Chuanxi Tree Frog Hyla annectans chuanxiensis from two different elevations in Sichuan (China). Zoologischer Anzeiger, 2010, 248, 255-263.	0.9	67
3	Andrew meets Rensch: sexual size dimorphism and the inverse of Renschâ€™s rule in Andrewâ€™s toad (Bufo) Tj ETQq1 1 0.784314	2.0	63
4	Large Brains, Small Guts: The Expensive Tissue Hypothesis Supported within Anurans. American Naturalist, 2016, 188, 693-700.	2.1	59
5	Population density and structure drive differential investment in pre- and postmating sexual traits in frogs. Evolution; International Journal of Organic Evolution, 2017, 71, 1686-1699.	2.3	54
6	Evolution of anuran brains: disentangling ecological and phylogenetic sources of variation. Journal of Evolutionary Biology, 2015, 28, 1986-1996.	1.7	50
7	Large-brained frogs mature later and live longer. Evolution; International Journal of Organic Evolution, 2018, 72, 1174-1183.	2.3	49
8	Geographic variation in life-history traits: growth season affects age structure, egg size and clutch size in Andrewâ€™s toad (Bufo andrewsi). Frontiers in Zoology, 2016, 13, 6.	2.0	48
9	Ejaculate evolution in external fertilizers: Influenced by sperm competition or sperm limitation?. Evolution; International Journal of Organic Evolution, 2018, 72, 4-17.	2.3	46
10	Altitudinal variation in maternal investment and tradeâ€offs between egg size and clutch size in the Andrew's toad. Journal of Zoology, 2014, 293, 84-91.	1.7	44
11	Seasonality and brain size are negatively associated in frogs: evidence for the expensive brain framework. Scientific Reports, 2017, 7, 16629.	3.3	44
12	Altitude underlies variation in the mating system, somatic condition, and investment in reproductive traits in male Asian grass frogs (Fejervarya limnocharis). Behavioral Ecology and Sociobiology, 2016, 70, 1197-1208.	1.4	42
13	Sexual size dimorphism in anurans fails to obey Renschâ€™s rule. Frontiers in Zoology, 2013, 10, 10.	2.0	40
14	Genomewide scan for adaptive differentiation along altitudinal gradient in the Andrew's toad Bufo andrewsi. Molecular Ecology, 2016, 25, 3884-3900.	3.9	38
15	Male mate choice in the Andrewâ€™s toad Bufo andrewsi: a preference for larger females. Journal of Ethology, 2009, 27, 413-417.	0.8	37
16	Evolution of sperm morphology in anurans: insights into the roles of mating system and spawning location. BMC Evolutionary Biology, 2014, 14, 104.	3.2	34
17	Seasonality and Age is Positively Related to Brain Size in Andrewâ€™s Toad (Bufo andrewsi). Evolutionary Biology, 2015, 42, 339-348.	1.1	33
18	A large genome with chromosomeâ€scale assembly sheds light on the evolutionary success of a true toad (Bufo gargarizans). Molecular Ecology Resources, 2021, 21, 1256-1273.	4.8	32

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19	Age structure and body size of two populations of the rice frogRana limnocharisfrom different altitudes. Italian Journal of Zoology, 2011, 78, 215-221.	0.6	30
20	Inverse Rensch's rule in a frog with female-biased sexual size dimorphism. Die Naturwissenschaften, 2012, 99, 427-431.	1.6	30
21	Sexual selection impacts brain anatomy in frogs and toads. Ecology and Evolution, 2016, 6, 7070-7079.	1.9	29
22	Sex recognition by male Andrew's toad Bufo andrewsi in a subtropical montane region. Behavioural Processes, 2009, 82, 100-103.	1.1	28
23	Age and Growth of a Subtropical High-Elevation Torrent Frog, Amolops mantzorum, in Western China. Journal of Herpetology, 2010, 44, 172-176.	0.5	24
24	Evolution of Sexual Size Dimorphism in a Frog Obeys the Inverse of Renschâ€™s Rule. Evolutionary Biology, 2013, 40, 293-299.	1.1	24
25	A skeletochronological estimation of age and body size by the Sichuan torrent frog (Amolops) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	22
26	Proximate mechanisms leading to large male-mating advantage in the Andrew's toad, Bufo andrewsi. Behaviour, 2011, 148, 1087-1102.	0.8	22
27	Brain size evolution in the frog Fejervarya limnocharis supports neither the cognitive buffer nor the expensive brain hypothesis. Journal of Zoology, 2017, 302, 63-72.	1.7	22
28	Relative testis size and mating systems in anurans: large testis in multiple-male mating in foam-nesting frogs. Animal Biology, 2011, 61, 225-238.	1.0	20
29	Seasonal Variation in Gut Microbiota Related to Diet in Fejervarya limnocharis. Animals, 2021, 11, 1393.	2.3	20
30	The Expensive-Tissue Hypothesis in Vertebrates: Gut Microbiota Effect, a Review. International Journal of Molecular Sciences, 2018, 19, 1792.	4.1	19
31	Evolution of sexual dimorphism in the forelimb muscles of Andrew's toad (Bufo andrewsi) in response to putative sexual selection. Animal Biology, 2012, 62, 83-93.	1.0	18
32	Relative Brain Size Is Predicted by the Intensity of Intrasexual Competition in Frogs. American Naturalist, 2020, 196, 169-179.	2.1	18
33	Breeding behaviour of the Omei tree frogRhacophorus omeimontis(Anura: Rachophoridae) in a subtropical montane region. Journal of Natural History, 2010, 44, 2929-2940.	0.5	17
34	Altitudinal Variation in Age and Body Size in Yunnan Pond Frog (Pelophylax pleuraden). Zoological Science, 2012, 29, 493-498.	0.7	16
35	Sexual size dimorphism in anurans: roles of mating system and habitat types. Frontiers in Zoology, 2013, 10, 65.	2.0	16
36	Altitudinal variation in male reproductive investment in a polyandrous frog species (Hyla) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (g	1.0	16

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37	Brain size evolution in anurans: a review. Animal Biology, 2019, 69, 265-279.	1.0	16
38	A comparison of reproductive output of the Omei Treefrog (Rhacophorus omeimontis) between high and low elevations. Animal Biology, 2011, 61, 263-276.	1.0	15
39	Testis Asymmetry and Sperm Length inRhacophorus omeimontis. Zoological Science, 2012, 29, 368-372.	0.7	15
40	Altitudinal variation in somatic condition and reproductive investment of male Yunnan pond frogs (Dianrana pleuraden). Zoologischer Anzeiger, 2017, 266, 189-195.	0.9	15
41	Variation in somatic condition and testis mass in Feirana quadranus along an altitudinal gradient. Animal Biology, 2018, 68, 277-288.	1.0	14
42	Latitudinal variation in body size in Fejervarya limnocharis supports the inverse of Bergmannâ€™s rule. Animal Biology, 2018, 68, 113-128.	1.0	14
43	Investigating the role of body size, ecology, and behavior in anuran eye size evolution. Evolutionary Ecology, 2019, 33, 585-598.	1.2	14
44	Body mass variation is negatively associated with brain size: Evidence for the fatâ€brain tradeâ€off in anurans. Evolution; International Journal of Organic Evolution, 2020, 74, 1551-1557.	2.3	14
45	Roosting behaviour of the endangered Sichuan Hill-partridge Arborophila rufipectus during the breeding season. Bird Conservation International, 2008, 18, 260-266.	1.3	13
46	Evidence for neither the compensation hypothesis nor the expensive-tissue hypothesis in Carassius auratus. Animal Biology, 2014, 64, 177-187.	1.0	13
47	Brain size in Hylarana guentheri seems unaffected by variation in temperature and growth season. Animal Biology, 2017, 67, 209-225.	1.0	12
48	Digestive tract adaptation associated with temperature and precipitation in male Bufo andrewsi. Animal Biology, 2016, 66, 279-288.	1.0	11
49	Modulation of Gene Expression in Liver of Hibernating Asiatic Toads (Bufo gargarizans). International Journal of Molecular Sciences, 2018, 19, 2363.	4.1	11
50	Largeâ€brained birds display lower extraâ€pair paternity. Integrative Zoology, 2023, 18, 278-288.	2.6	11
51	Anuran interorbital distance variation: the role of ecological and behavioral factors. Integrative Zoology, 2022, , .	2.6	11
52	Breeding ecology of ground tits in northeastern Tibetan plateau, with special reference to cooperative breeding system. Environmental Epigenetics, 2011, 57, 751-757.	1.8	10
53	No evidence for the expensive-tissue hypothesis inÂFejervaryaÂlimnocharis. Animal Biology, 2018, 68, 265-276.	1.0	10
54	Sperm quality and quantity evolve through different selective processes in the Phasianidae. Scientific Reports, 2019, 9, 19278.	3.3	10

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55	Altitudinal implications in organ size in the Andrewâ€™s toad (Bufo andrewsi). Animal Biology, 2019, 69, 365-376.	1.0	9
56	Genome size variation is associated with lifeâ€history traits in birds. Journal of Zoology, 2020, 310, 255-260.	1.7	9
57	Effect of population density on relationship between pre- and postcopulatory sexual traits. Animal Biology, 2019, 69, 281-292.	1.0	7
58	No Evidence for Effects of Ecological and Behavioral Factors on Eye Size Evolution in Anurans. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	7
59	Cerebellum size is positively correlated with geographicÂdistribution range in anurans. Animal Biology, 2018, 68, 309-320.	1.0	5
60	Digest: Ontogenesis and evolutionary allometry shape divergent evolution of genitalia in female cetaceans*. Evolution; International Journal of Organic Evolution, 2018, 72, 404-405.	2.3	5
61	Genomic evidence for adaptive differentiation amongMicrohyla fissipespopulations: Implications for conservation. Diversity and Distributions, 2022, 28, 2665-2680.	4.1	5
62	Mating patterns in three Bufo andrewsi populations at different latitude. Russian Journal of Ecology, 2016, 47, 557-561.	0.9	4
63	Frogs with denser group-spawning mature later and live longer. Scientific Reports, 2019, 9, 13776.	3.3	4
64	Brain size evolution in small mammals: test of the expensive tissue hypothesis. Mammalia, 2021, 85, 455-461.	0.7	4
65	Within population variation in testis size in the mole-shrew (Anourosorex squamipes) (Mammalia:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	3
66	Altitudinal variation in body size and age in male spot-legged treefrog (Polypedates megacephalus). Russian Journal of Ecology, 2017, 48, 476-481.	0.9	3
67	Testing the Role of Environmental Harshness and Sexual Selection in Limb Muscle Mass in Anurans. Frontiers in Ecology and Evolution, 0, 10, .	2.2	2
68	Geographic variation in skin structure in male Andrewâ€™sÂtoad (Bufo andrewsi). Animal Biology, 2020, 70, 159-174.	1.0	0
69	Association of social group with both life-history traits and brain size in cooperatively breeding birds. Animal Biology, 2021, 71, 261-278.	1.0	0
70	Smallâ€scale dams deplete frogs and toads. Conservation Science and Practice, 2022, 4, .	2.0	0