John M Ratcliffe

List of Publications by Year
in descending order

56 papers	2,106 citations	236612 25 h-index	253896 43 g-index
58 all docs	58 docs citations	58 times ranked	1840 citing authors

#	Article	IF	Citations
1	Behavioural flexibility: the little brown bat, Myotis lucifugus, and the northern long-eared bat,M.septentrionalis , both glean and hawk prey. Animal Behaviour, 2003, 66, 847-856.	0.8	114
2	Evolution of high duty cycle echolocation in bats. Journal of Experimental Biology, 2012, 215, 2935-2944.	0.8	106
3	Superfast Muscles Set Maximum Call Rate in Echolocating Bats. Science, 2011, 333, 1885-1888.	6.0	104
4	Convergent acoustic field of view in echolocating bats. Nature, 2013, 493, 93-96.	13.7	104
5	Evolutionary escalation: the batâ€“moth arms race. Journal of Experimental Biology, 2016, 219, 1589-1602.	0.8	93
6	Multimodal warning signals for a multiple predator world. Nature, 2008, 455, 96-99.	13.7	90
7	Behavioral Flexibility Positively Correlated with Relative Brain Volume in Predatory Bats. Brain, Behavior and Evolution, 2006, 67, 165-176.	0.9	86
8	Echolocation in Oilbirds and swiftlets. Frontiers in Physiology, 2013, 4, 123.	1.3	80
9	Roosts as information centres: social learning of food preferences in bats. Biology Letters, 2005, 1, 72-74.	1.0	78
10	Echolocation call intensity and directionality in flying short-tailed fruit bats, <i>Carollia perspicillata</i> (Phyllostomidae). Journal of the Acoustical Society of America, 2011, 129, 427-435.	0.5	73
11	The adaptive function of tiger moth clicks against echolocating bats: an experimental and synthetic approach. Journal of Experimental Biology, 2005, 208, 4689-4698.	0.8	68
12	Conspecifics influence call design in the Brazilian free-tailed bat, Tadarida brasiliensis. Canadian Journal of Zoology, 2004, 82, 966-971.	0.4	67
13	How the bat got its buzz. Biology Letters, 2013, 9, 20121031.	1.0	67
14	Auditory opportunity and visual constraint enabled the evolution of echolocation in bats. Nature Communications, 2018, 9, 98.	5.8	57
15	An exception to the rule: common vampire bats do not learn taste aversions. Animal Behaviour, 2003, 65, 385-389.	0.8	56
16	Range-dependent flexibility in the acoustic field of view of echolocating porpoises (Phocoena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	2.8	50
17	Hunting in unfamiliar space: echolocation in the Indian false vampire bat, Megaderma lyra, when gleaning prey. Behavioral Ecology and Sociobiology, 2005, 58, 157-164.	0.6	47
18	Beware of bats, beware of birds: the auditory responses of eared moths to bat and bird predation. Behavioral Ecology, 2008, 19, 1333-1342.	1.0	41

#	ARTICLE	IF	CITATIONS
19	Body Size Predicts Echolocation Call Peak Frequency Better than Gape Height in Vespertilionid Bats. Scientific Reports, 2017, 7, 828.	1.6	37
20	Neural evolution in the bat-free habitat of Tahiti: partial regression in an anti-predator auditory system. Biology Letters, 2007, 3, 26-28.	1.0	36
21	Flower Bats (Glossophaga soricina) and Fruit Bats (Carollia perspicillata) Rely on Spatial Cues over Shapes and Scents When Relocating Food. PLoS ONE, 2010, 5, e10808.	1.1	35
22	Data, Sample Sizes and Statistics Affect the Recognition of Species of Bats by Their Echolocation Calls. Acta Chiropterologica, 2004, 6, 347-363.	0.2	34
23	The simple ears of noctuoid moths are tuned to the calls of their sympatric bat community. Journal of Experimental Biology, 2013, 216, 3954-62.	0.8	34
24	The effectiveness of katydid (Neoconocephalus ensiger) song cessation as antipredator defence against the gleaning bat Myotis septentrionalis. Behavioral Ecology and Sociobiology, 2008, 63, 217-226.	0.6	32
25	Frequency alternation and an offbeat rhythm indicate foraging behavior in the echolocating bat, Saccopteryx bilineata. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 413-423.	0.7	32
26	Phylogeny matters: revisiting â€˜a comparison of bats and rodents as reservoirs of zoonotic virusesâ€™. Royal Society Open Science, 2019, 6, 181182.	1.1	26
27	Tiger moths and the threat of bats: decision-making based on the activity of a single sensory neuron. Biology Letters, 2009, 5, 368-371.	1.0	24
28	Fungus Causing White-Nose Syndrome in Bats Accumulates Genetic Variability in North America with No Sign of Recombination. MSphere, 2017, 2, .	1.3	24
29	Echolocation in the bat, <i>Rhinolophus capensis</i>: the influence of clutter, conspecifics and prey on call design and intensity. Biology Open, 2015, 4, 693-701.	0.6	23
30	Social learning within and across species: information transfer in mouse-eared bats. Canadian Journal of Zoology, 2014, 92, 129-139.	0.4	22
31	Light enough to travel: migratory bats have smaller brains, but not larger hippocampi, than sedentary species. Biology Letters, 2011, 7, 233-236.	1.0	20
32	Adaptive auditory risk assessment in the dogbane tiger moth when pursued by bats. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 364-370.	1.2	19
33	Neuroecology and diet selection in phyllostomid bats. Behavioural Processes, 2009, 80, 247-251.	0.5	18
34	To Scream or to Listen? Prey Detection and Discrimination in Animal-Eating Bats. Springer Handbook of Auditory Research, 2016, , 93-116.	0.3	18
35	Bats. Current Biology, 2010, 20, R1060-R1062.	1.8	17
36	The influence of bat ecology on viral diversity and reservoir status. Ecology and Evolution, 2020, 10, 5748-5758.	0.8	17

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37	Nocturnal activity positively correlated with auditory sensitivity in noctuoid moths. Biology Letters, 2008, 4, 262-265.	1.0	16
38	Should I Stay or Should I Go? Fissionâ€"Fusion Dynamics in Bats. , 2016, , 65-103.		15
39	Bats without borders: Predators learn novel prey cues from other predatory species. Science Advances, 2018, 4, eaaq0579.	4.7	15
40	Younger vampire bats (Desmodus rotundus) are more likely than adults to explore novel objects. PLoS ONE, 2018, 13, e0196889.	1.1	15
41	Release from bats: genetic distance and sensoribehavioural regression in the Pacific field cricket, Teleogryllus oceanicus. Die Naturwissenschaften, 2010, 97, 53-61.	0.6	14
42	Niche-specific cognitive strategies: object memory interferes with spatial memory in the predatory bat, Myotis nattereri. Journal of Experimental Biology, 2014, 217, 3293-300.	0.8	14
43	Predator-Prey Interaction in an Auditory World. , 2009, , 201-226.		14
44	Sonar sound groups and increased terminal buzz duration reflect task complexity in hunting bats. Scientific Reports, 2016, 6, 21500.	1.6	13
45	Ignoring the irrelevant: auditory tolerance of audible but innocuous sounds in the bat-detecting ears of moths. Die Naturwissenschaften, 2008, 95, 241-245.	0.6	12
46	Oilbirds produce echolocation signals beyond their best hearing range and adjust signal design to natural light conditions. Royal Society Open Science, 2017, 4, 170255.	1.1	11
47	Clutter and conspecifics: a comparison of their influence on echolocation and flight behaviour in Daubentonâ€™s bat, Myotis daubentonii. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 295-304.	0.7	10
48	Anti-bat flight activity in sound-producing versus silent moths. Canadian Journal of Zoology, 2008, 86, 582-587.	0.4	9
49	Unique near isometric ontogeny in the pterosaur <i>Rhamphorhynchus</i> suggests hatchlings could fly. Lethaia, 2021, 54, 106-112.	0.6	9
50	Sensory Biology: Echolocation from Click to Call, Mouth to Wing. Current Biology, 2014, 24, R1160-R1162.	1.8	5
51	AÂmethod for rapid testing of social learning in vampire bats. Royal Society Open Science, 2018, 5, 172483.	1.1	5
52	Potential foraging niche release in insectivorous bat species relatively unaffected by white-nose syndrome?. Canadian Journal of Zoology, 2020, 98, 667-680.	0.4	5
53	Sonar strobe groups and buzzes are produced before powered flight is achieved in the juvenile big brown bat, <i>Eptesicus fuscus</i>. Journal of Experimental Biology, 2019, 222, .	0.8	4
54	Animal Behavior: Who Will Croak Next?. Current Biology, 2006, 16, R455-R456.	1.8	2

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55	Habituation and ecological salience: insights into the foraging ecology of the fringed-lipped bat, Trachops cirrhosus. Behavioral Ecology and Sociobiology, 2019, 73, 1.	0.6	2
56	Sensory biology: Bats united by cochlear development. Nature Ecology and Evolution, 2017, 1, 46.	3.4	1