

# Matthew J Mason

## List of Publications by Citations

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55  
papers

1,057  
citations

22  
h-index

30  
g-index

57  
ext. papers

1,259  
ext. citations

5.5  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
55	A bony connection signals laryngeal echolocation in bats. <i>Nature</i> , <b>2010</b> , 463, 939-42	50.4	86
54	Middle ear structures in fossorial mammals: a comparison with non-fossorial species. <i>Journal of Zoology</i> , <b>2006</b> , 255, 467-486	2	69
53	Of mice, moles and guinea pigs: functional morphology of the middle ear in living mammals. <i>Hearing Research</i> , <b>2013</b> , 301, 4-18	3.9	61
52	Structure and function of the mammalian middle ear. II: Inferring function from structure. <i>Journal of Anatomy</i> , <b>2016</b> , 228, 300-12	2.9	41
51	Structure and function of the mammalian middle ear. I: Large middle ears in small desert mammals. <i>Journal of Anatomy</i> , <b>2016</b> , 228, 284-99	2.9	38
50	Morphology of the middle ear of golden moles (Chrysochloridae). <i>Journal of Zoology</i> , <b>2003</b> , 260, 391-403		38
49	Seismic Signal Use by Fossorial Mammals1. <i>American Zoologist</i> , <b>2001</b> , 41, 1171-1184		37
48	A Putative Mechanism for Magnetoreception by Electromagnetic Induction in the Pigeon Inner Ear. <i>Current Biology</i> , <b>2019</b> , 29, 4052-4059.e4	6.3	36
47	Bone conduction and seismic sensitivity in golden moles (Chrysochloridae). <i>Journal of Zoology</i> , <b>2003</b> , 260, 405-413	2	33
46	Evolution of the middle ear apparatus in Talpid moles. <i>Journal of Morphology</i> , <b>2006</b> , 267, 678-95	1.6	31
45	Mechanics of the frog ear. <i>Hearing Research</i> , <b>2011</b> , 273, 46-58	3.9	29
44	Middle Ear Structures of Octodon degus (Rodentia: Octodontidae), in Comparison with Those of Subterranean Caviomorphs. <i>Journal of Mammalogy</i> , <b>2008</b> , 89, 1447-1455	1.8	27
43	THE MIDDLE EAR APPARATUS OF THE TUCO-TUCO CTENOMYS SOCIABILIS (RODENTIA, CTENOMYIDAE). <i>Journal of Mammalogy</i> , <b>2004</b> , 85, 797-805	1.8	27
42	Seismic sensitivity in the desert golden mole (Eremitalpa granti): a review. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , <b>2002</b> , 116, 158-63	2.1	26
41	Distortion product otoacoustic emissions in frogs: correlation with middle and inner ear properties. <i>Hearing Research</i> , <b>2002</b> , 173, 100-8	3.9	25
40	Vibrometric studies of the middle ear of the bullfrog Rana catesbeiana I. The extrastapes. <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 3153-3165	3	25
39	Mass distribution and rotational inertia of "microtype" and "freely mobile" middle ear ossicles in rodents. <i>Hearing Research</i> , <b>2011</b> , 282, 97-107	3.9	24

38	Preliminary evidence for the use of microseismic cues for navigation by the Namib golden mole. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 119, 1260-8	2.2	23
37	Ear Structures of the Naked Mole-Rat, <i>Heterocephalus glaber</i> , and Its Relatives (Rodentia: Bathyergidae). <i>PLoS ONE</i> , <b>2016</b> , 11, e0167079	3.7	23
36	Vibrometric studies of the middle ear of the bullfrog <i>Rana catesbeiana</i> II. The operculum. <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 3167-3176	3	23
35	Flexibility within the middle ears of vertebrates. <i>Journal of Laryngology and Otology</i> , <b>2013</b> , 127, 2-14	1.8	22
34	Physiological vulnerability of distortion product otoacoustic emissions from the amphibian ear. <i>Journal of the Acoustical Society of America</i> , <b>2003</b> , 114, 2044-8	2.2	22
33	Early development of the malleus and incus in humans. <i>Journal of Anatomy</i> , <b>2016</b> , 229, 857-870	2.9	19
32	Sex differences in the middle ear of the bullfrog ( <i>Rana catesbeiana</i> ). <i>Brain, Behavior and Evolution</i> , <b>2003</b> , 61, 91-101	1.5	19
31	Vibrometric studies of the middle ear of the bullfrog <i>Rana catesbeiana</i> I. The extrastapes. <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 3153-65	3	18
30	Vibrometric studies of the middle ear of the bullfrog <i>Rana catesbeiana</i> II. The operculum. <i>Journal of Experimental Biology</i> , <b>2002</b> , 205, 3167-76	3	18
29	Functional morphology of the middle ear in <i>Chlorotalpa</i> golden moles (Mammalia, Chrysochloridae): predictions from three models. <i>Journal of Morphology</i> , <b>2004</b> , 261, 162-74	1.6	17
28	Absolute power, not sex, promotes perspiration. <i>Experimental Physiology</i> , <b>2011</b> , 96, 556-8; author reply 559-60	2.4	16
27	Middle ear structure and bone conduction in <i>Spalax</i> , <i>Eospalax</i> , and <i>Tachyoryctes</i> mole-rats (Rodentia: Spalacidae). <i>Journal of Morphology</i> , <b>2010</b> , 271, 462-72	1.6	16
26	Characterization of the phosphatic mineral of the barnacle <i>Ibla cumingi</i> at atomic level by solid-state nuclear magnetic resonance: comparison with other phosphatic biominerals. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 1510-6	4.1	15
25	Contrasts between organic participation in apatite biomineralization in brachiopod shell and vertebrate bone identified by nuclear magnetic resonance spectroscopy. <i>Journal of the Royal Society Interface</i> , <b>2011</b> , 8, 282-8	4.1	13
24	Vocal development during postnatal growth and ear morphology in a shrew that generates seismic vibrations, <i>Diplomesodon pulchellum</i> . <i>Behavioural Processes</i> , <b>2015</b> , 118, 130-41	1.6	11
23	Evidence of auditory insensitivity to vocalization frequencies in two frogs. <i>Scientific Reports</i> , <b>2017</b> , 7, 12121	4.9	11
22	The naked truth: a comprehensive clarification and classification of current <i>Tinyths</i> naked mole-rat biology. <i>Biological Reviews</i> , <b>2021</b> ,	13.5	11
21	Intense bone fluorescence reveals hidden patterns in pumpkin toadlets. <i>Scientific Reports</i> , <b>2019</b> , 9, 5388	4.9	10

20	Functional morphology of rodent middle ears	373-404		9
19	Seismic Signal Use by Fossorial Mammals. <i>American Zoologist</i> , <b>2001</b> , 41, 1171-1184			9
18	Pathways for Sound Transmission to the Inner Ear in Amphibians	<b>2007</b> , 147-183		9
17	The frog inner ear: picture perfect?. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2015</b> , 16, 171-88		3.3	8
16	Internally coupled ears in living mammals. <i>Biological Cybernetics</i> , <b>2016</b> , 110, 345-358		2.8	8
15	Undergraduate students as co-producers in the creation of first-year practical class resources. <i>Higher Education Pedagogies</i> , <b>2017</b> , 2, 58-78		1.2	7
14	The effect of auditory stimulation on the tensor tympani in patients following stapedectomy. <i>Acta Oto-Laryngologica</i> , <b>2008</b> , 128, 250-4		1.6	7
13	Middle ear morphology in dormice (Rodentia: Gliridae). <i>Mammalian Biology</i> , <b>2008</b> , 73, 330-334		1.6	6
12	Ossicular density in golden moles (Chrysochloridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>2006</b> , 192, 1349-57		2.3	6
11	The middle and inner ears of the Palaeogene golden mole <i>Namachloris</i> : A comparison with extant species. <i>Journal of Morphology</i> , <b>2018</b> , 279, 375-395		1.6	5
10	Functional anatomy of the middle and inner ears of the red fox, in comparison to domestic dogs and cats. <i>Journal of Anatomy</i> , <b>2020</b> , 236, 980-995		2.9	4
9	Veselka et al. reply. <i>Nature</i> , <b>2010</b> , 466, E9-E9		50.4	3
8	Comments on "Tympanic-membrane and malleus-incus-complex co-adaptations for high-frequency hearing in mammals", by Sunil Puria & Charles Steele. <i>Hearing Research</i> , <b>2010</b> , 267, 1-3		3.9	3
7	Ectopic otoconial formation in the lagena of the pigeon inner ear. <i>Biology Open</i> , <b>2018</b> , 7,		2.2	2
6	Veselka et al. reply. <i>Nature</i> , <b>2010</b> , 466, E7-E7		50.4	1
5	The middle ear of the pink fairy armadillo <i>Chlamyphorus truncatus</i> (Xenarthra, Cingulata, Chlamyphoridae): comparison with armadillo relatives using computed tomography. <i>Journal of Anatomy</i> , <b>2020</b> , 236, 809-826		2.9	1
4	Middle ear instrument nomenclature: a taxonomic approach. <i>BMJ, The</i> , <b>2010</b> , 341, c5137		5.9	1
3	Structure and function of respiratory turbinates in phocid seals. <i>Polar Biology</i> , <b>2020</b> , 43, 157-173		2	0

- 2 Mechanisms of Vibration Detection in Mammals. *Animal Signals and Communication*, **2019**, 177-208 1.4 ○
- 1 Introduction. *Journal of Anatomy*, **2016**, 228, 215-6 2.9