Matthew J Mason

List of Publications by Year
in descending order

57	1,422	279778	361001
papers	citations	23 h-index	35 g-index

58	58	58	1126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A bony connection signals laryngeal echolocation in bats. Nature, 2010, 463, 939-942.	27.8	107
2	Middle ear structures in fossorial mammals: a comparison with nonâ€fossorial species. Journal of Zoology, 2001, 255, 467-486.	1.7	88
3	Of mice, moles and guinea pigs: Functional morphology of the middle ear in living mammals. Hearing Research, 2013, 301, 4-18.	2.0	77
4	The naked truth: a comprehensive clarification and classification of current â€˜mythsâ€™ in naked moleâ€rat biology. Biological Reviews, 2022, 97, 115-140.	10.4	62
5	A Putative Mechanism for Magnetoreception by Electromagnetic Induction in the Pigeon Inner Ear. Current Biology, 2019, 29, 4052-4059.e4.	3.9	61
6	Structure and function of the mammalian middle ear. II: Inferring function from structure. Journal of Anatomy, 2016, 228, 300-312.	1.5	59
7	Structure and function of the mammalian middle ear. I: Large middle ears in small desert mammals. Journal of Anatomy, 2016, 228, 284-299.	1.5	54
8	Morphology of the middle ear of golden moles (Chrysochloridae). Journal of Zoology, 2003, 260, 391-403.	1.7	44
9	Ear Structures of the Naked Mole-Rat, Heterocephalus glaber, and Its Relatives (Rodentia:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.5	40
10	Evolution of the middle ear apparatus in talpid moles. Journal of Morphology, 2006, 267, 678-695.	1.2	39
11	Mechanics of the frog ear. Hearing Research, 2011, 273, 46-58.	2.0	39
12	Seismic Signal Use by Fossorial Mammals1. American Zoologist, 2001, 41, 1171-1184.	0.7	38
13	Bone conduction and seismic sensitivity in golden moles (Chrysochloridae). Journal of Zoology, 2003, 260, 405-413.	1.7	34
14	Middle Ear Structures ofOctodon degus(Rodentia: Octodontidae), in Comparison with Those of Subterranean Caviomorphs. Journal of Mammalogy, 2008, 89, 1447-1455.	1.3	34
15	Flexibility within the middle ears of vertebrates. Journal of Laryngology and Otology, 2013, 127, 2-14.	0.8	33
16	Seismic sensitivity in the desert golden mole (Eremitalpa granti): A review.. Journal of Comparative Psychology (Washington, D C: 1983), 2002, 116, 158-163.	0.5	29
17	THE MIDDLE EAR APPARATUS OF THE TUCO-TUCO CTENOMYS SOCIABILIS (RODENTIA, CTENOMYIDAE). Journal of Mammalogy, 2004, 85, 797-805.	1.3	29
18	Mass distribution and rotational inertia of â€œmicrotypeâ€•and â€œfreely mobileâ€•middle ear ossicles in rodents. Hearing Research, 2011, 282, 97-107.	2.0	29

#	Article	IF	Citations
19	Vibrometric studies of the middle ear of the bullfrogRana catesbeianaII. The operculum. Journal of Experimental Biology, 2002, 205, 3167-3176.	1.7	29
20	Distortion product otoacoustic emissions in frogs: correlation with middle and inner ear properties. Hearing Research, 2002, 173, 100-108.	2.0	27
21	Vibrometric studies of the middle ear of the bullfrog Rana catesbeiana I. The extrastapes. Journal of Experimental Biology, 2002, 205, 3153-3165.	1.7	27
22	Preliminary evidence for the use of microseismic cues for navigation by the Namib golden mole. Journal of the Acoustical Society of America, 2006, 119, 1260.	1.1	24
23	Evidence of auditory insensitivity to vocalization frequencies in two frogs. Scientific Reports, 2017, 7, 12121.	3.3	24
24	Physiological vulnerability of distortion product otoacoustic emissions from the amphibian ear. Journal of the Acoustical Society of America, 2003, 114, 2044-2048.	1.1	23
25	Sex Differences in the Middle Ear of the Bullfrog (Rana catesbeiana). Brain, Behavior and Evolution, 2003, 61, 91-101.	1.7	23
26	Middle ear structure and bone conduction in Spalax, Eospalax, and Tachyoryctes moleâ€rats (Rodentia: Spalacidae). Journal of Morphology, 2010, 271, 462-472.	1.2	22
27	Early development of the malleus and incus in humans. Journal of Anatomy, 2016, 229, 857-870.	1.5	22
28	Vibrometric studies of the middle ear of the bullfrog Rana catesbeiana I. The extrastapes. Journal of Experimental Biology, 2002, 205, 3153-65.	1.7	21
29	Vibrometric studies of the middle ear of the bullfrog Rana catesbeiana II. The operculum. Journal of Experimental Biology, 2002, 205, 3167-76.	1.7	21
30	Absolute power, not sex, promotes perspiration. Experimental Physiology, 2011, 96, 556-558.	2.0	19
31	Functional morphology of the middle ear inChlorotalpa golden moles (mammalia, Chrysochloridae): Predictions from three models. Journal of Morphology, 2004, 261, 162-174.	1.2	18
32	Intense bone fluorescence reveals hidden patterns in pumpkin toadlets. Scientific Reports, 2019, 9, 5388.	3.3	18
33	Contrasts between organic participation in apatite biomineralization in brachiopod shell and vertebrate bone identified by nuclear magnetic resonance spectroscopy. Journal of the Royal Society Interface, 2011, 8, 282-288.	3.4	16
34	Characterization of the phosphatic mineral of the barnacle Ibla cumingi at atomic level by solid-state nuclear magnetic resonance: comparison with other phosphatic biominerals. Journal of the Royal Society Interface, 2012, 9, 1510-1516.	3.4	16
35	Vocal development during postnatal growth and ear morphology in a shrew that generates seismic vibrations, Diplomesodon pulchellum. Behavioural Processes, 2015, 118, 130-141.	1.1	16
36	Pathways for Sound Transmission to the Inner Ear in Amphibians. , 2007, , 147-183.		16

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37	The Frog Inner Ear: Picture Perfect?. JARO - Journal of the Association for Research in Otolaryngology, 2015, 16, 171-188.	1.8	15
38	Internally coupled ears in living mammals. Biological Cybernetics, 2016, 110, 345-358.	1.3	13
39	Undergraduate students as co-producers in the creation of first-year practical class resources. Higher Education Pedagogies, 2017, 2, 58-78.	3.5	13
40	Functional morphology of rodent middle ears. , 2015, , 373-404.		12
41	Seismic Signal Use by Fossorial Mammals. American Zoologist, 2001, 41, 1171-1184.	0.7	11
42	The effect of auditory stimulation on the tensor tympani in patients following stapedectomy. Acta Oto-Laryngologica, 2008, 128, 250-254.	0.9	10
43	Functional anatomy of the middle and inner ears of the red fox, in comparison to domestic dogs and cats. Journal of Anatomy, 2020, 236, 980-995.	1.5	10
44	Middle ear morphology in dormice (Rodentia: Gliridae). Mammalian Biology, 2008, 73, 330-334.	1.5	8
45	Structure and function of respiratory turbinates in phocid seals. Polar Biology, 2020, 43, 157-173.	1.2	8
46	The middle and inner ears of the Palaeogene golden mole Namachloris: A comparison with extant species. Journal of Morphology, 2018, 279, 375-395.	1.2	7
47	The middle ear of the pink fairy armadillo Chlamyphorus truncatus (Xenarthra, Cingulata,) Tj ETQq1 1 0.784314 rgBT /Overlock Anatomy, 2020, 236, 809-826.	1.5	7
48	Ossicular density in golden moles (Chrysochloridae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 1349-1357.	1.6	6
49	Veselka et al. reply. Nature, 2010, 466, E9-E9.	27.8	3
50	Comments on â€œTympanic-membrane and malleusâ€“incus-complex co-adaptations for high-frequency hearing in mammalsâ€, by Sunil Puria & Charles Steele. Hearing Research, 2010, 267, 1-3.	2.0	3
51	Internal vascular channel architecture in human auditory ossicles. Journal of Anatomy, 2022, 241, 245-258.	1.5	3
52	Ectopic otoconial formation in the lagena of the pigeon inner ear. Biology Open, 2018, 7, .	1.2	2
53	Middle ear instrument nomenclature: a taxonomic approach. BMJ: British Medical Journal, 2010, 341, c5137-c5137.	2.3	2
54	Veselka et al. reply. Nature, 2010, 466, E7-E7.	27.8	1

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55	Seismic sensitivity in the desert golden mole (Eremitalpa granti): A review.. Journal of Comparative Psychology (Washington, D C: 1983), 2002, 116, 158-163.	0.5	1
56	Mechanisms of Vibration Detection in Mammals. Animal Signals and Communication, 2019, , 177-208.	0.8	1
57	Introduction. Journal of Anatomy, 2016, 228, 215-216.	1.5	0