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List of Publications by Year
in descending order

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20 papers	100 citations	1478505 6 h-index	1474206 9 g-index
20 all docs	20 docs citations	20 times ranked	75 citing authors

#	Article	IF	Citations
1	Sound localization in the lizard using internally coupled ears: AÂfinite-element approach. Hearing Research, 2019, 378, 23-32.	2.0	12
2	A single-ossicle ear: Acoustic response and mechanical properties measured in duck. Hearing Research, 2016, 340, 35-42.	2.0	10
3	The effect of craniokinesis on the middle ear of domestic chickens (Gallus gallus domesticus). Journal of Anatomy, 2017, 230, 414-423.	1.5	9
4	Quasi-static and dynamic motions of the columellar footplate in ostrich (Struthio camelus) measured exÂvivo. Hearing Research, 2018, 357, 10-24.	2.0	9
5	Acoustic input impedance of the avian inner ear measured in ostrich (Struthio camelus). Hearing Research, 2016, 339, 175-183.	2.0	8
6	Deformation of avian middle ear structures under static pressure loads, and potential regulation mechanisms. Zoology, 2018, 126, 128-136.	1.2	8
7	Prestrain in the rabbit eardrum measured by digital image correlation and micro-incisions. Hearing Research, 2021, 412, 108392.	2.0	7
8	The effect of single-ossicle ear flexibility and eardrum cone orientation on quasi-static behavior of the chicken middle ear. Hearing Research, 2019, 378, 13-22.	2.0	6
9	Sound attenuation in the ear of domestic chickens (Gallus gallus domesticus) as a result of beak opening. Royal Society Open Science, 2017, 4, 171286.	2.4	5
10	Eardrum and columella displacement in single ossicle ears under quasi-static pressure variations. Hearing Research, 2018, 365, 141-148.	2.0	5
11	How flexibility and eardrum cone shape affect sound conduction in single-ossicle ears: a dynamic model study of the chicken middle ear. Biomechanics and Modeling in Mechanobiology, 2020, 19, 233-249.	2.8	5
12	Structural stiffening in the human middle ear due to static pressure: Finite-element analysis of combined static and dynamic middle-ear behavior. Hearing Research, 2021, 400, 108116.	2.0	5
13	Optical techniques as validation tools for finite element modeling of biomechanical structures, demonstrated in bird ear research. AIP Conference Proceedings, 2014, , .	0.4	3
14	Do high sound pressure levels of crowing in roosters necessitate passive mechanisms for protection against self-vocalization?. Zoology, 2018, 126, 65-70.	1.2	2
15	Evaluation of Artificial Fixation of the Incus and Malleus With Minimally Invasive Intraoperative Laser Vibrometry (MIVIB) in a Temporal Bone Model. Otology and Neurotology, 2020, 41, 45-51.	1.3	2
16	How does prestrain in the tympanic membrane affect middle-ear function? A finite-element model study in rabbit. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105261.	3.1	2
17	Tympanic membrane pressure buffering function at quasi-static and low-frequency pressure variations. Hearing Research, 2017, 353, 49-56.	2.0	1
18	A calibrated 3D dual-barrel otoendoscope based on fringe-projection profilometry. Optics and Lasers in Engineering, 2022, 149, 106795.	3.8	1

#	Article	IF	Citations
19	LDV measurement of bird ear vibrations to determine inner ear impedance and middle ear power flow. AIP Conference Proceedings, 2016, , .	0.4	0
20	Effect of Malleus Handle Fracture on Middle Ear Sound Transmission: Laser Doppler Vibrometry Measurements and Finite Element Simulations. Proceedings (mdpi), 2018, 2, .	0.2	0