

Mario A Ruggero

List of Publications by Year in descending order

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59
papers

5,733
citations

147801

31
h-index

161849

54
g-index

68
all docs

68
docs citations

68
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects on auditory-nerve fibers of opening the otic capsule at the apex of the chinchilla cochlea. AIP Conference Proceedings, 2015, , .	0.4	1
2	Stapes Vibration in the Chinchilla Middle Ear: Relation to Behavioral and Auditory-Nerve Thresholds. JARO - Journal of the Association for Research in Otolaryngology, 2015, 16, 447-457.	1.8	5
3	Spatial Irregularities of Sensitivity along the Organ of Corti of the Cochlea. Journal of Neuroscience, 2014, 34, 11349-11354.	3.6	6
4	Traveling Waves on the Organ of Corti of the Chinchilla Cochlea: Spatial Trajectories of Inner Hair Cell Depolarization Inferred from Responses of Auditory-Nerve Fibers. Journal of Neuroscience, 2012, 32, 10522-10529.	3.6	27
5	Timing of cochlear responses inferred from frequency-threshold tuning curves of auditory-nerve fibers. Hearing Research, 2011, 272, 178-186.	2.0	12
6	Basilar-Membrane Responses to Broadband Noise Modeled Using Linear Filters With Rational Transfer Functions. IEEE Transactions on Biomedical Engineering, 2011, 58, 1456-1465.	4.2	14
7	Cochlear Macro- and Micromechanicsâ€”A Moderated Discussion. , 2011, , .		0
8	Phase-Locked Responses to Tones of Chinchilla Auditory Nerve Fibers: Implications for Apical Cochlear Mechanics. JARO - Journal of the Association for Research in Otolaryngology, 2010, 11, 297-318.	1.8	47
9	Basilar Membrane Responses to Noise at a Basal Site of the Chinchilla Cochlea: Quasi-Linear Filtering. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 471-484.	1.8	28
10	Threshold Tuning Curves of Chinchilla Auditory-Nerve Fibers. I. Dependence on Characteristic Frequency and Relation to the Magnitudes of Cochlear Vibrations. Journal of Neurophysiology, 2008, 100, 2889-2898.	1.8	77
11	Threshold Tuning Curves of Chinchilla Auditory Nerve Fibers. II. Dependence on Spontaneous Activity and Relation to Cochlear Nonlinearity. Journal of Neurophysiology, 2008, 100, 2899-2906.	1.8	38
12	14-3-3. , 2008, , 1-1.		2
13	BOOST OF TRANSMISSION AT THE PEDICLE OF THE INCUS IN THE CHINCHILLA MIDDLE EAR. , 2007, , .		3
14	Similarity of Traveling-Wave Delays in the Hearing Organs of Humans and Other Tetrapods. JARO - Journal of the Association for Research in Otolaryngology, 2007, 8, 153-166.	1.8	63
15	Wiener-Kernel Analysis of Responses to Noise of Chinchilla Auditory-Nerve Fibers. Journal of Neurophysiology, 2005, 93, 3615-3634.	1.8	107
16	Wiener Kernels of Chinchilla Auditory-Nerve Fibers: Verification Using Responses to Tones, Clicks, and Noise and Comparison With Basilar-Membrane Vibrations. Journal of Neurophysiology, 2005, 93, 3635-3648.	1.8	57
17	Delays of stimulus-frequency otoacoustic emissions and cochlear vibrations contradict the theory of coherent reflection filtering. Journal of the Acoustical Society of America, 2005, 118, 2434-2443.	1.1	135
18	Unexceptional sharpness of frequency tuning in the human cochlea. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18614-18619.	7.1	106

#	ARTICLE	IF	CITATIONS
19	Comparison of group delays of 2f1âˆ²f2 distortion product otoacoustic emissions and cochlear travel times. <i>Acoustics Research Letters Online: ARLO</i> , 2004, 5, 143-147.	0.7	38
20	A NEW AND IMPROVED MIDDLE EAR. , 2004, , .		2
21	High-Frequency Sensitivity of the Mature Gerbil Cochlea and Its Development. <i>Audiology and Neuro-Otology</i> , 2003, 8, 19-27.	1.3	12
22	Middle-ear transmission in humans: wide-band, not frequency-tuned?. <i>Acoustics Research Letters Online: ARLO</i> , 2003, 4, 53-58.	0.7	22
23	Development of wide-band middle ear transmission in the Mongolian gerbil. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 261-270.	1.1	58
24	The roles of the external, middle, and inner ears in determining the bandwidth of hearing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13206-13210.	7.1	106
25	Basilar Membrane Vibrations Near the Round Window of the Gerbil Cochlea. , 2002, 3, 351-361.		56
26	Passive basilar membrane vibrations in gerbil neonates: mechanical bases of cochlear maturation. <i>Journal of Physiology</i> , 2002, 545, 279-288.	2.9	17
27	Mechanics of the Mammalian Cochlea. <i>Physiological Reviews</i> , 2001, 81, 1305-1352.	28.8	1,259
28	Mechanical bases of frequency tuning and neural excitation at the base of the cochlea: Comparison of basilar-membrane vibrations and auditory-nerve-fiber responses in chinchilla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11744-11750.	7.1	125
29	BASILAR-MEMBRANE MECHANICS AT THE HOOK REGION OF THE CHINCHILLA COCHLEA. , 2000, , .		13
30	Frequency Tuning of Basilar Membrane and Auditory Nerve Fibers in the Same Cochleae. , 1998, 282, 1882-1884.		244
31	Basilar-membrane responses to clicks at the base of the chinchilla cochlea. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 1972-1989.	1.1	169
32	Basilar-membrane responses to tones at the base of the chinchilla cochlea. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 2151-2163.	1.1	675
33	Low-frequency suppression of auditory nerve responses to characteristic frequency tones. <i>Hearing Research</i> , 1997, 113, 29-56.	2.0	27
34	Two-Tone Distortion on the Basilar Membrane of the Chinchilla Cochlea. <i>Journal of Neurophysiology</i> , 1997, 77, 2385-2399.	1.8	125
35	Cochlear Delays and Traveling Waves: Comments on â€œExperimental Look at Cochlear Mechanicsâ€™: [A. Dancer, <i>Audiology</i> 1992;31:301-312]. <i>International Journal of Audiology</i> , 1994, 33, 131-142.	1.7	48
36	Distortion in those good vibrations. <i>Current Biology</i> , 1993, 3, 755-758.	3.9	19

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37	Responses to sound of the basilar membrane of the mammalian cochlea. <i>Current Opinion in Neurobiology</i> , 1992, 2, 449-456.	4.2	294
38	Physiology and Coding of Sound in the Auditory Nerve. <i>Springer Handbook of Auditory Research</i> , 1992, , 34-93.	0.7	97
39	Basilar Membrane Responses to Clicks. , 1992, , 85-92.		12
40	Application of a commercially-manufactured Doppler-shift laser velocimeter to the measurement of basilar-membrane vibration. <i>Hearing Research</i> , 1991, 51, 215-230.	2.0	154
41	Two-tone distortion in the basilar membrane of the cochlea. <i>Nature</i> , 1991, 349, 413-414.	27.8	175
42	Middle-ear response in the chinchilla and its relationship to mechanics at the base of the cochlea. <i>Journal of the Acoustical Society of America</i> , 1990, 87, 1612-1629.	1.1	127
43	Two-Tone Distortion Products in the Basilar Membrane of the Chinchilla Cochlea. <i>Lecture Notes in Biomathematics</i> , 1990, , 304-313.	0.3	10
44	Systemic Injection of Furosemide Alters the Mechanical Response to Sound of the Basilar Membrane. <i>Lecture Notes in Biomathematics</i> , 1990, , 314-321.	0.3	5
45	“Peak-Splitting” Intensity Effects in Cochlear Afferent Responses to Low Frequency Tones. , 1989, , 259-267.		8
46	Nonlinear Interactions in the Mechanical Response of the Cochlea to Two-Tone Stimuli. , 1989, , 369-375.		12
47	Responses of Cochlear Afferents to Low-Frequency Tones: Intensity Dependence. , 1988, , 57-62.		2
48	Effects of excitatory and non-excitatory suppressor tones on two-tone rate suppression in auditory nerve fibers. <i>Hearing Research</i> , 1987, 26, 155-164.	2.0	53
49	Basilar membrane mechanics at the base of the chinchilla cochlea. I. Input-output functions, tuning curves, and response phases. <i>Journal of the Acoustical Society of America</i> , 1986, 80, 1364-1374.	1.1	351
50	Basilar membrane mechanics at the base of the chinchilla cochlea. II. Responses to low-frequency tones and relationship to microphonics and spike initiation in the VIII Nerve. <i>Journal of the Acoustical Society of America</i> , 1986, 80, 1375-1383.	1.1	57
51	Cochlear microphonics and the initiation of spikes in the auditory nerve: Correlation of single-unit data with neural and receptor potentials recorded from the round window. <i>Journal of the Acoustical Society of America</i> , 1986, 79, 1491-1498.	1.1	27
52	Mossbauer Measurements of the Mechanical Response to Single-Tone and Two-Tone Stimuli at the Base of the Chinchilla Cochlea. <i>Lecture Notes in Biomathematics</i> , 1986, , 121-128.	0.3	19
53	Spontaneous otoacoustic emissions in a dog. <i>Hearing Research</i> , 1984, 13, 293-296.	2.0	44
54	Spontaneous and impulsively evoked otoacoustic emission: indicators of cochlear pathology?. <i>Hearing Research</i> , 1983, 10, 283-300.	2.0	90

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55	Chinchilla auditory nerve responses to low frequency tones. Journal of the Acoustical Society of America, 1983, 73, 2096-2108.	1.1	102
56	Kanamycin and bumetanide ototoxicity: Anatomical, physiological and behavioral correlates. Hearing Research, 1982, 7, 261-279.	2.0	27
57	Type II cochlear ganglion cells in the chinchilla. Hearing Research, 1982, 8, 339-356.	2.0	36
58	Systematic errors in indirect estimates of basilar membrane travel times. Journal of the Acoustical Society of America, 1980, 67, 707-709.	1.1	48
59	Organization of auditory cortex in the owl monkey (<i>Aotus trivirgatus</i>). Journal of Comparative Neurology, 1977, 171, 111-128.	1.6	225