

Joachim Mogdans

List of Publications by Year in descending order

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28
papers

564
citations

759233

12
h-index

677142

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28
all docs

28
docs citations

28
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensory ecology of the fish lateral line system: Morphological and physiological adaptations for the perception of hydrodynamic stimuli. <i>Journal of Fish Biology</i> , 2019, 95, 53-72.	1.6	75
2	Organization of the superficial neuromast system in goldfish, <i>Carassius auratus</i> . <i>Journal of Morphology</i> , 2008, 269, 751-761.	1.2	74
3	Coping with flow: behavior, neurophysiology and modeling of the fish lateral line system. <i>Biological Cybernetics</i> , 2012, 106, 627-642.	1.3	69
4	Bioacoustics and the Lateral Line System of Fishes. , 2008, , 145-182.		34
5	Brainstem lateral line responses to sinusoidal wave stimuli in still and running water. <i>Journal of Experimental Biology</i> , 2002, 205, 1471-1484.	1.7	32
6	Effects of Running Water on Lateral Line Responses to Moving Objects. <i>Brain, Behavior and Evolution</i> , 2003, 61, 195-212.	1.7	29
7	Brainstem lateral line responses to sinusoidal wave stimuli in the goldfish, <i>Carassius auratus</i> . <i>Zoology</i> , 2001, 104, 153-166.	1.2	26
8	Brainstem lateral line responses to sinusoidal wave stimuli in still and running water. <i>Journal of Experimental Biology</i> , 2002, 205, 1471-84.	1.7	26
9	Sensitivity of Central Units in the Goldfish, <i>Carassius auratus</i> , to Transient Hydrodynamic Stimuli. <i>Brain, Behavior and Evolution</i> , 1997, 50, 261-283.	1.7	25
10	The lateral line receptor array of cyprinids from different habitats. <i>Journal of Morphology</i> , 2014, 275, 357-370.	1.2	20
11	Response properties of diencephalic neurons to visual, acoustic and hydrodynamic stimulation in the goldfish, <i>Carassius auratus</i> . <i>Zoology</i> , 2002, 105, 61-70.	1.2	19
12	Responses to dipole stimuli of anterior lateral line nerve fibres in goldfish, <i>Carassius auratus</i> , under still and running water conditions. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 249-263.	1.6	19
13	Responses of brainstem lateral line units to different stimulus source locations and vibration directions. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 773-787.	1.6	14
14	Goldfish and oscars have comparable responsiveness to dipole stimuli. <i>Die Naturwissenschaften</i> , 2009, 96, 1401-1409.	1.6	13
15	Responses of the goldfish head lateral line to moving objects. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 151-165.	1.6	12
16	Toral lateral line units of goldfish, <i>Carassius auratus</i> , are sensitive to the position and vibration direction of a vibrating sphere. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012, 198, 639-653.	1.6	11
17	The oscar, <i>Astronotus ocellatus</i> , detects and discriminates dipole stimuli with the lateral line system. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 959-968.	1.6	10
18	RESPONSES OF PRIMARY AND SECONDARY LATERAL LINE UNITS TO DIPOLE STIMULI APPLIED UNDER STILL AND RUNNING WATER CONDITIONS. <i>Bioacoustics</i> , 2002, 12, 158-160.	1.7	8

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19	Responses of Medullary Lateral Line Units of the Goldfish, <i>Carassius auratus</i> , to Amplitude-Modulated Sinusoidal Wave Stimuli. <i>International Journal of Zoology</i> , 2010, 2010, 1-14.	0.8	8
20	The Fish Lateral Line: How to Detect Hydrodynamic Stimuli. , 2003, , 173-185.		8
21	The Puzzle of Hydrodynamic Information Processing: How Are Complex Water Motions Analyzed by the Lateral Line?. <i>European Journal of Morphology</i> , 1999, 37, 195-199.	0.8	8
22	Smart Mechanical Dipole: a device for the measurement of sphere motion in behavioral and neurophysiological experiments. <i>Journal of Experimental Biology</i> , 2016, 219, 2823-2827.	1.7	7
23	Neurobiology of the Fish Lateral Line: Adaptations for the Detection of Hydrodynamic Stimuli in Running Water. , 2004, , 265-287.		5
24	Central Processing of Lateral Line Information. <i>Springer Handbook of Auditory Research</i> , 2013, , 253-280.	0.7	4
25	Neuronal Basis of Source Localisation and the Processing of Bulk Water Flow with the Fish Lateral Line. , 2014, , 371-395.		4
26	Adaptive responses of peripheral lateral line nerve fibres to sinusoidal wave stimuli. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 329-342.	1.6	3
27	Physiology of the Peripheral Lateral Line System. , 2020, , 143-162.		1
28	Editorial to the topical collection "From sensory perception to behavior". <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	0