Wolf Hanke

List of Publications by Year
in descending order

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29	1,242	516710	580821
papers	citations	16 h-index	25 g-index

29	29	29	771
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrodynamic reception in the Australian water rat, Hydromys chrysogaster. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2020, 206, 517-526.	1.6	1
2	Hydrodynamic Stimuli and Hydrodynamic Noise. , 2020, , 5-28.		0
3	Detection and direction discrimination of single vortex rings by harbour seals (Phoca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.7	18
4	Hydrodynamic detection and localization of artificial flatfish breathing currents by harbour seals (Phoca vitulina). Journal of Experimental Biology, 2017, 220, 174-185.	1.7	21
5	Flow generation by the corona ciliata in Chaetognatha â^' quantification and implications for current functional hypotheses. Zoology, 2017, 125, 79-86.	1.2	3
6	Hydrodynamic sensory threshold in harbour seals (Phoca vitulina) for artificial flatfish breathing currents. Journal of Experimental Biology, 2017, 220, 2364-2371.	1.7	7
7	Unique fur and skin structure in harbour seals (Phoca vitulina)â€"thermal insulation, drag reduction, or both?. Journal of the Royal Society Interface, 2015, 12, 20141206.	3.4	6
8	Feeding Kinematics, Suction, and Hydraulic Jetting Performance of Harbor Seals (Phoca vitulina). PLoS ONE, 2014, 9, e86710.	2.5	50
9	Thermoregulation of the vibrissal system in harbor seals (Phoca vitulina) and Cape fur seals (Arctocephalus pusillus pusillus). Journal of Experimental Marine Biology and Ecology, 2014, 452, 111-118.	1.5	15
10	Natural Hydrodynamic Stimuli. , 2014, , 3-29.		5
11	Hydrodynamic Perception in Seals and Sea Lions. , 2014, , 147-167.		10
12	Hydrodynamic patterns from fast-starts in teleost fish and their possible relevance to predatorâ€"prey interactions. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 139-149.	1.6	23
13	Passive electroreception in aquatic mammals. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 555-563.	1.6	43
14	Sensory biology of aquatic mammals. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 417-420.	1.6	5
15	Hydrodynamic perception in true seals (Phocidae) and eared seals (Otariidae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 421-440.	1.6	42
16	Coping with Heat: Function of The Natal Coat of Cape Fur Seal (Arctocephalus Pusillus Pusillus) Pups in Maintaining Core Body Temperature. PLoS ONE, 2013, 8, e72081.	2.5	9
17	Electroreception in the Guiana dolphin (Sotalia guianensis). Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 663-668.	2.6	104
18	Control and amount of heat dissipation through thermal windows in harbor seals (Phoca vitulina). Journal of Thermal Biology, 2012, 37, 537-544.	2.5	28

#	Article	IF	Citations
19	Hydrodynamic Perception in Pinnipeds. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 255-270.	0.3	6
20	Hydrodynamic trail following in a California sea lion (Zalophus californianus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 141-151.	1.6	61
21	Contrast sensitivity in a harbor seal (Phoca vitulina). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 203-210.	1.6	15
22	Hydrodynamic discrimination of wakes caused by objects of different size or shape in a harbour seal (Phoca vitulina). Journal of Experimental Biology, 2011, 214, 1922-1930.	1.7	63
23	Harbor seal vibrissa morphology suppresses vortex-induced vibrations. Journal of Experimental Biology, 2010, 213, 2665-2672.	1.7	172
24	Basic mechanisms in pinniped vision. Experimental Brain Research, 2009, 199, 299-311.	1.5	44
25	Corneal topography, refractive state, and accommodation in harbor seals (Phoca vitulina). Vision Research, 2006, 46, 837-847.	1.4	39
26	Visual fields and eye movements in a harbor seal (Phoca vitulina). Vision Research, 2006, 46, 2804-2814.	1.4	20
27	The hydrodynamic trails of Lepomis gibbosus (Centrarchidae), Colomesus psittacus (Tetraodontidae) and Thysochromis ansorgii (Cichlidae) investigated with scanning particle image velocimetry. Journal of Experimental Biology, 2004, 207, 1585-1596.	1.7	98
28	Wie Fische Wasser fÃ¼hlen: Das Seitenliniensystem. Biologie in Unserer Zeit, 2004, 34, 358-365.	0.2	15
29	Hydrodynamic Trail-Following in Harbor Seals (Phoca vitulina). Science, 2001, 293, 102-104.	12.6	319