

Wolf Hanke

List of Publications by Year in descending order

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516710

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docs citations

29
times ranked

771
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Hydrodynamic Trail-Following in Harbor Seals (<i>Phoca vitulina</i>). Science, 2001, 293, 102-104. | 12.6 | 319 |
| 2 | Harbor seal vibrissa morphology suppresses vortex-induced vibrations. Journal of Experimental Biology, 2010, 213, 2665-2672. | 1.7 | 172 |
| 3 | Electroreception in the Guiana dolphin (<i>Sotalia guianensis</i>). Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 663-668. | 2.6 | 104 |
| 4 | The hydrodynamic trails of <i>Lepomis gibbosus</i> (Centrarchidae), <i>Colomesus psittacus</i> (Tetraodontidae) and <i>Thysochromis ansorgii</i> (Cichlidae) investigated with scanning particle image velocimetry. Journal of Experimental Biology, 2004, 207, 1585-1596. | 1.7 | 98 |
| 5 | Hydrodynamic discrimination of wakes caused by objects of different size or shape in a harbour seal (<i>Phoca vitulina</i>). Journal of Experimental Biology, 2011, 214, 1922-1930. | 1.7 | 63 |
| 6 | Hydrodynamic trail following in a California sea lion (<i>Zalophus californianus</i>). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 141-151. | 1.6 | 61 |
| 7 | Feeding Kinematics, Suction, and Hydraulic Jetting Performance of Harbor Seals (<i>Phoca vitulina</i>). PLoS ONE, 2014, 9, e86710. | 2.5 | 50 |
| 8 | Basic mechanisms in pinniped vision. Experimental Brain Research, 2009, 199, 299-311. | 1.5 | 44 |
| 9 | Passive electroreception in aquatic mammals. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 555-563. | 1.6 | 43 |
| 10 | 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 |
| 11 | Corneal topography, refractive state, and accommodation in harbor seals (<i>Phoca vitulina</i>). Vision Research, 2006, 46, 837-847. | 1.4 | 39 |
| 12 | Control and amount of heat dissipation through thermal windows in harbor seals (<i>Phoca vitulina</i>). Journal of Thermal Biology, 2012, 37, 537-544. | 2.5 | 28 |
| 13 | Hydrodynamic patterns from fast-starts in teleost fish and their possible relevance to predator-prey interactions. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 139-149. | 1.6 | 23 |
| 14 | Hydrodynamic detection and localization of artificial flatfish breathing currents by harbour seals (<i>Phoca vitulina</i>). Journal of Experimental Biology, 2017, 220, 174-185. | 1.7 | 21 |
| 15 | Visual fields and eye movements in a harbor seal (<i>Phoca vitulina</i>). Vision Research, 2006, 46, 2804-2814. | 1.4 | 20 |
| 16 | Detection and direction discrimination of single vortex rings by harbour seals (<i>Phoca</i>) | 1.7 | 18 |
| 17 | Wie Fische Wasser fñhlen: Das Seitenliniensystem. Biologie in Unserer Zeit, 2004, 34, 358-365. | 0.2 | 15 |
| 18 | Contrast sensitivity in a harbor seal (<i>Phoca vitulina</i>). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 203-210. | 1.6 | 15 |

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|----|---|-----|-----------|
| 19 | Thermoregulation of the vibrissal system in harbor seals (<i>Phoca vitulina</i>) and Cape fur seals (<i>Arctocephalus pusillus pusillus</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 452, 111-118. | 1.5 | 15 |
| 20 | Hydrodynamic Perception in Seals and Sea Lions. , 2014, , 147-167. | | 10 |
| 21 | Coping with Heat: Function of The Natal Coat of Cape Fur Seal (<i>Arctocephalus Pusillus Pusillus</i>) Pups in Maintaining Core Body Temperature. <i>PLoS ONE</i> , 2013, 8, e72081. | 2.5 | 9 |
| 22 | Hydrodynamic sensory threshold in harbour seals (<i>Phoca vitulina</i>) for artificial flatfish breathing currents. <i>Journal of Experimental Biology</i> , 2017, 220, 2364-2371. | 1.7 | 7 |
| 23 | Unique fur and skin structure in harbour seals (<i>Phoca vitulina</i>) – thermal insulation, drag reduction, or both?. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141206. | 3.4 | 6 |
| 24 | Hydrodynamic Perception in Pinnipeds. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2012, , 255-270. | 0.3 | 6 |
| 25 | Sensory biology of aquatic mammals. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2013, 199, 417-420. | 1.6 | 5 |
| 26 | Natural Hydrodynamic Stimuli. , 2014, , 3-29. | | 5 |
| 27 | Flow generation by the corona ciliata in Chaetognatha – quantification and implications for current functional hypotheses. <i>Zoology</i> , 2017, 125, 79-86. | 1.2 | 3 |
| 28 | Hydrodynamic reception in the Australian water rat, <i>Hydromys chrysogaster</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 517-526. | 1.6 | 1 |
| 29 | Hydrodynamic Stimuli and Hydrodynamic Noise. , 2020, , 5-28. | | 0 |