

Paul J Ponganis

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,023
citations

236833

25
h-index

265120

42
g-index

65
all docs

65
docs citations

65
times ranked

1225
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Morphology and physiology in some small pelagic cetaceans: Is Dall's porpoise a deep diver and a thoroughbred of the sea?. <i>Marine Mammal Science</i> , 2022, 38, 1442-1469. | 0.9 | 1 |
| 2 | An accelerometer-derived ballistocardiogram method for detecting heart rate in free-ranging marine mammals. <i>Journal of Experimental Biology</i> , 2022, 225, . | 0.8 | 4 |
| 3 | Examining the Plasticity of the Dive Response in Relation to Dive Behavior of Northern Elephant Seals. <i>FASEB Journal</i> , 2022, 36, . | 0.2 | 0 |
| 4 | Research Handling Effects on Stress Hormones, Blood Parameters, and Heart Rate in Juvenile Northern Elephant Seals (<i>Mirounga angustirostris</i>). <i>FASEB Journal</i> , 2022, 36, . | 0.2 | 0 |
| 5 | The aerobic dive limit: After 40 years, still rarely measured but commonly used. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 252, 110841. | 0.8 | 11 |
| 6 | Diving physiology of marine mammals and birds: the development of biologging techniques. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200211. | 1.8 | 18 |
| 7 | A Physio-Logging Journey: Heart Rates of the Emperor Penguin and Blue Whale. <i>Frontiers in Physiology</i> , 2021, 12, 721381. | 1.3 | 4 |
| 8 | Cervical air sac oxygen profiles in diving emperor penguins: parabronchial ventilation and the respiratory oxygen store. <i>Journal of Experimental Biology</i> , 2021, 224, . | 0.8 | 3 |
| 9 | Visualizing Life in the Deep: A Creative Pipeline for Data-Driven Animations to Facilitate Marine Mammal Research, Outreach, and Conservation. , 2021, , . | | 2 |
| 10 | Stroke effort and relative lung volume influence heart rate in diving sea lions. <i>Journal of Experimental Biology</i> , 2020, 223, . | 0.8 | 6 |
| 11 | Heart rates, heart rate profiles, and electrocardiograms in three killer whales, a beluga, and a pilot whale: An exploratory investigation. <i>Marine Mammal Science</i> , 2019, 35, 1112-1132. | 0.9 | 19 |
| 12 | Time Domains of Hypoxia Adaptation—Elephant Seals Stand Out Among Divers. <i>Frontiers in Physiology</i> , 2019, 10, 677. | 1.3 | 15 |
| 13 | State of the art review: from the seaside to the bedside: insights from comparative diving physiology into respiratory, sleep and critical care. <i>Thorax</i> , 2019, 74, 512-518. | 2.7 | 15 |
| 14 | Activity not submergence explains diving heart rates of captive loggerhead turtles. <i>Journal of Experimental Biology</i> , 2019, 222, . | 0.8 | 14 |
| 15 | Anterior vena caval oxygen profiles in a deep-diving California sea lion: arteriovenous shunts, a central venous oxygen store, and oxygenation during lung collapse. <i>Journal of Experimental Biology</i> , 2018, 221, . | 0.8 | 4 |
| 16 | Flipper stroke rate and venous oxygen levels in free-ranging California sea lions. <i>Journal of Experimental Biology</i> , 2017, 220, 1533-1540. | 0.8 | 15 |
| 17 | Heart rate regulation in diving sea lions: the vagus nerve rules. <i>Journal of Experimental Biology</i> , 2017, 220, 1372-1381. | 0.8 | 23 |
| 18 | Effects of inhalational anesthesia on blood gases and pH in California sea lions. <i>Marine Mammal Science</i> , 2017, 33, 726-737. | 0.9 | 2 |

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|----|---|-----|-----------|
| 19 | <i>Advances in Technology: Blood-sampling at depth</i> . Focus on "Development of an animal-borne blood sample collection device and its deployment for the determination of cardiovascular and stress hormones in submerged phocid seals". <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R917-R918. | 0.9 | 0 |
| 20 | Full circumpolar migration ensures evolutionary unity in the Emperor penguin. <i>Nature Communications</i> , 2016, 7, 11842. | 5.8 | 43 |
| 21 | Heart Rate Regulation in the Killer Whale. <i>FASEB Journal</i> , 2016, 30, 1230.9. | 0.2 | 1 |
| 22 | Elevated carboxyhemoglobin in a marine mammal, the northern elephant seal. <i>Journal of Experimental Biology</i> , 2014, 217, 1752-1757. | 0.8 | 31 |
| 23 | Deep-diving sea lions exhibit extreme bradycardia in long-duration dives. <i>Journal of Experimental Biology</i> , 2014, 217, 1525-1534. | 0.8 | 53 |
| 24 | Muscle Oxygen Saturation Measurements in Diving Mammals and Birds Using NIRS. , 2013, , 109-121. | | 1 |
| 25 | Insights from venous oxygen profiles: oxygen utilization and management in diving California sea lions. <i>Journal of Experimental Biology</i> , 2013, 216, 3332-3341. | 0.8 | 63 |
| 26 | AFTER 73 YEARS, STILL THE FOUNDATION OF DIVING PHYSIOLOGY RESEARCH. <i>Journal of Experimental Biology</i> , 2013, 216, 3381-3383. | 0.8 | 4 |
| 27 | Blood Oxygen Depletion Is Independent of Dive Function in a Deep Diving Vertebrate, the Northern Elephant Seal. <i>PLoS ONE</i> , 2013, 8, e83248. | 1.1 | 23 |
| 28 | Muscle Energy Stores and Stroke Rates of Emperor Penguins: Implications for Muscle Metabolism and Dive Performance. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 120-133. | 0.6 | 18 |
| 29 | Lung collapse in the diving sea lion: hold the nitrogen and save the oxygen. <i>Biology Letters</i> , 2012, 8, 1047-1049. | 1.0 | 68 |
| 30 | Anaerobic Energy Stores in Emperor Penguin Muscle: Implications for Muscle Metabolism and Dive Performance. <i>FASEB Journal</i> , 2012, 26, 886.22. | 0.2 | 0 |
| 31 | Blood oxygen depletion in California sea lions. <i>FASEB Journal</i> , 2012, 26, 1071.12. | 0.2 | 0 |
| 32 | Diving Mammals. , 2011, 1, 447-465. | | 90 |
| 33 | In pursuit of Irving and Scholander: a review of oxygen store management in seals and penguins. <i>Journal of Experimental Biology</i> , 2011, 214, 3325-3339. | 0.8 | 87 |
| 34 | Stroke rates and diving air volumes of emperor penguins: implications for dive performance. <i>Journal of Experimental Biology</i> , 2011, 214, 2854-2863. | 0.8 | 55 |
| 35 | What triggers the aerobic dive limit? Patterns of muscle oxygen depletion during dives of emperor penguins. <i>Journal of Experimental Biology</i> , 2011, 214, 1802-1812. | 0.8 | 55 |
| 36 | Blood Temperature Profiles of Diving Elephant Seals. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 531-540. | 0.6 | 31 |

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|----|---|-----|-----------|
| 37 | What Triggers the Aerobic Dive Limit? Patterns of Muscle Oxygen Depletion during Dives of Emperor Penguins. <i>FASEB Journal</i> , 2010, 24, 988.14. | 0.2 | 0 |
| 38 | O ₂ store management in diving emperor penguins. <i>Journal of Experimental Biology</i> , 2009, 212, 217-224. | 0.8 | 47 |
| 39 | High-affinity hemoglobin and blood oxygen saturation in diving emperor penguins. <i>Journal of Experimental Biology</i> , 2009, 212, 3330-3338. | 0.8 | 71 |
| 40 | Extreme hypoxemic tolerance and blood oxygen depletion in diving elephant seals. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R927-R939. | 0.9 | 149 |
| 41 | Blood flow and metabolic regulation in seal muscle during apnea. <i>Journal of Experimental Biology</i> , 2008, 211, 3323-3332. | 0.8 | 54 |
| 42 | Heart rate regulation and extreme bradycardia in diving emperor penguins. <i>Journal of Experimental Biology</i> , 2008, 211, 1169-1179. | 0.8 | 63 |
| 43 | ULTRASOUND INSPECTION FOR INTRAVASCULAR BUBBLES IN A REPETITIVELY DIVING DOLPHIN. <i>Bioacoustics</i> , 2008, 17, 310-312. | 0.7 | 2 |
| 44 | Extreme blood oxygen depletion in diving elephant seals. <i>FASEB Journal</i> , 2008, 22, 757.7. | 0.2 | 2 |
| 45 | Muscle Oxygen Depletion in Diving Emperor Penguins. <i>FASEB Journal</i> , 2008, 22, 124-124. | 0.2 | 0 |
| 46 | Returning on empty: extreme blood O ₂ depletion underlies dive capacity of emperor penguins. <i>Journal of Experimental Biology</i> , 2007, 210, 4279-4285. | 0.8 | 56 |
| 47 | Effects of giant icebergs on two emperor penguin colonies in the Ross Sea, Antarctica. <i>Antarctic Science</i> , 2007, 19, 31-38. | 0.5 | 58 |
| 48 | Bio-logging of physiological parameters in higher marine vertebrates. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 183-192. | 0.6 | 33 |
| 49 | The initial journey of juvenile emperor penguins. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2007, 17, S37-S43. | 0.9 | 20 |
| 50 | Estimating the relative abundance of emperor penguins at inaccessible colonies using satellite imagery. <i>Polar Biology</i> , 2007, 30, 1565-1570. | 0.5 | 57 |
| 51 | Emperor penguins adjust swim speed according to the above-water height of ice holes through which they exit. <i>Journal of Experimental Biology</i> , 2005, 208, 2549-2554. | 0.8 | 14 |
| 52 | Surfactant from diving aquatic mammals. <i>Journal of Applied Physiology</i> , 2004, 96, 1626-1632. | 1.2 | 41 |
| 53 | Detection of myoglobin desaturation in <i>Mirounga angustirostris</i> during apnea. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R267-R272. | 0.9 | 25 |
| 54 | Energetic Cost of Foraging in Free-Diving Emperor Penguins. <i>Physiological and Biochemical Zoology</i> , 2001, 74, 541-547. | 0.6 | 47 |

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|----|---|-----|-----------|
| 55 | The aerobic submersion limit of Baikal seals, <i>Phoca sibirica</i> . Canadian Journal of Zoology, 1997, 75, 1323-1327. | 0.4 | 52 |
| 56 | MULTIPLE SIGHTINGS OF ARNOUX BEAKED WHALES ALONG THE VICTORIA LAND COAST. Marine Mammal Science, 1995, 11, 247-250. | 0.9 | 12 |
| 57 | Determinants of the Aerobic Dive Limit of Weddell Seals: Analysis of Diving Metabolic Rates, Postdive End Tidal P_{O_2} 's, and Blood and Muscle Oxygen Stores. Physiological Zoology, 1993, 66, 732-749. | 1.5 | 153 |
| 58 | ANALYSIS OF SWIM VELOCITIES DURING DEEP AND SHALLOW DIVES OF TWO NORTHERN FUR SEALS, <i>CALLORHINUS URSINUS</i> . Marine Mammal Science, 1992, 8, 69-75. | 0.9 | 31 |
| 59 | Cardiac Output in Swimming California Sea Lions, <i>Zalophus californianus</i> . Physiological Zoology, 1991, 64, 1296-1306. | 1.5 | 38 |
| 60 | Swimming velocities in otariids. Canadian Journal of Zoology, 1990, 68, 2105-2112. | 0.4 | 100 |
| 61 | Muscle metabolic profiles and fiber-type composition in some marine mammals. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1978, 59, 99-102. | 0.2 | 11 |