

Laurens E Howle

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,294
citations

394421

19
h-index

345221

36
g-index

41
all docs

41
docs citations

41
times ranked

932
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hemodialysis catheter integrity during mechanical power injection of iodinated contrast medium for computed tomography angiography. <i>Abdominal Radiology</i> , 2021, 46, 2961-2967. | 2.1 | 0 |
| 2 | Computational fluid dynamics of flow regime and hydrodynamic forces generated by a gliding North Atlantic right whale (<i>Eubalaena glacialis</i>). <i>Marine Mammal Science</i> , 2021, 37, 826. | 1.8 | 2 |
| 3 | Tetranomial decompression sickness model using serious, mild, marginal, and non-event outcomes. <i>Informatics in Medicine Unlocked</i> , 2020, 20, 100371. | 3.4 | 0 |
| 4 | Are interconnected compartmental models more effective at predicting decompression sickness risk?. <i>Informatics in Medicine Unlocked</i> , 2020, 20, 100334. | 3.4 | 0 |
| 5 | Trinomial decompression sickness model using full, marginal, and non-event outcomes. <i>Computers in Biology and Medicine</i> , 2020, 118, 103640. | 7.0 | 2 |
| 6 | A study of decompression sickness using recorded depth-time profiles. <i>Undersea and Hyperbaric Medicine</i> , 2020, 47, 75-91. | 0.3 | 0 |
| 7 | Simulation of the entanglement of a North Atlantic right whale (<i>Eubalaena glacialis</i>) with fixed fishing gear. <i>Marine Mammal Science</i> , 2019, 35, 760-778. | 1.8 | 9 |
| 8 | Iso-risk air no decompression limits after scoring marginal decompression sickness cases as non-events. <i>Computers in Biology and Medicine</i> , 2018, 92, 110-117. | 7.0 | 2 |
| 9 | Probabilistic pharmacokinetic models of decompression sickness in humans: Part 2, coupled perfusion-diffusion models. <i>Computers in Biology and Medicine</i> , 2018, 92, 90-97. | 7.0 | 2 |
| 10 | Bayesian approach to decompression sickness model parameter estimation. <i>Computers in Biology and Medicine</i> , 2017, 82, 3-11. | 7.0 | 8 |
| 11 | Probabilistic pharmacokinetic models of decompression sickness in humans, part 1: Coupled perfusion-limited compartments. <i>Computers in Biology and Medicine</i> , 2017, 86, 55-64. | 7.0 | 5 |
| 12 | Bimodal decompression sickness onset times are not related to dive type or event severity. <i>Computers in Biology and Medicine</i> , 2017, 91, 59-68. | 7.0 | 4 |
| 13 | The probability and severity of decompression sickness. <i>PLoS ONE</i> , 2017, 12, e0172665. | 2.5 | 18 |
| 14 | From the track to the ocean: Using flow control to improve marine bio-logging tags for cetaceans. <i>PLoS ONE</i> , 2017, 12, e0170962. | 2.5 | 19 |
| 15 | Advances in cetacean telemetry: A review of single-epin transmitter attachment techniques on small cetaceans and development of a new satellite-linked transmitter design. <i>Marine Mammal Science</i> , 2014, 30, 656-673. | 1.8 | 36 |
| 16 | Drag of suction cup tags on swimming animals: Modeling and measurement. <i>Marine Mammal Science</i> , 2014, 30, 726-746. | 1.8 | 27 |
| 17 | Hydrodynamic performance of the flippers of large-bodied cetaceans in relation to locomotor ecology. <i>Marine Mammal Science</i> , 2014, 30, 413-432. | 1.8 | 24 |
| 18 | Analytic gain in probabilistic decompression sickness models. <i>Computers in Biology and Medicine</i> , 2013, 43, 1739-1747. | 7.0 | 8 |

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|----|--|-----|-----------|
| 19 | Contrast-Enhanced Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 2012, 47, 121-127. | 6.2 | 8 |
| 20 | Improved aortic enhancement in CT angiography using slope-based triggering with table speed optimization: a pilot study. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1533-1543. | 1.5 | 4 |
| 21 | A Simplified Mass-Transfer Model for Visual Pigments in Amphibian Retinal-Cone Outer Segments. <i>Biophysical Journal</i> , 2011, 100, 525-534. | 0.5 | 3 |
| 22 | Computational Evaluation of the Performance of Lifting Surfaces with Leading-Edge Protuberances. <i>Journal of Aircraft</i> , 2011, 48, 591-600. | 2.4 | 102 |
| 23 | Marine Applications of the Biomimetic Humpback Whale Flipper. <i>Marine Technology Society Journal</i> , 2011, 45, 198-207. | 0.4 | 53 |
| 24 | The Tubercles on Humpback Whales' Flippers: Application of Bio-Inspired Technology. <i>Integrative and Comparative Biology</i> , 2011, 51, 203-213. | 2.0 | 204 |
| 25 | Lift and drag performance of odontocete cetacean flippers. <i>Journal of Experimental Biology</i> , 2009, 212, 2149-2158. | 1.7 | 40 |
| 26 | Contrast Material Administration Protocols for 64-MDCT Angiography: Altering Volume and Rate and Use of a Saline Chaser to Better Match the Imaging Windowâ€”Physiologic Phantom Study. <i>American Journal of Roentgenology</i> , 2009, 193, 1568-1575. | 2.2 | 15 |
| 27 | Modifying Peripheral IV Catheters With Side Holes and Side Slits Results in Favorable Changes in Fluid Dynamic Properties During the Injection of Iodinated Contrast Material. <i>American Journal of Roentgenology</i> , 2009, 193, 970-977. | 2.2 | 23 |
| 28 | Central Venous Catheter Integrity during Mechanical Power Injection of Iodinated Contrast Medium. <i>Radiology</i> , 2009, 253, 870-878. | 7.3 | 23 |
| 29 | A computationally advantageous system for fitting probabilistic decompression models to empirical data. <i>Computers in Biology and Medicine</i> , 2009, 39, 1117-1129. | 7.0 | 9 |
| 30 | Marginal DCS events: their relation to decompression and use in DCS models. <i>Journal of Applied Physiology</i> , 2009, 107, 1539-1547. | 2.5 | 13 |
| 31 | Resolution and Severity in Decompression Illness. <i>Aviation, Space, and Environmental Medicine</i> , 2009, 80, 466-471. | 0.5 | 22 |
| 32 | Effect of varying injection rates of a saline chaser on aortic enhancement in CT angiography: phantom study. <i>European Radiology</i> , 2008, 18, 1683-1689. | 4.5 | 25 |
| 33 | Hydrodynamic flow control in marine mammals. <i>Integrative and Comparative Biology</i> , 2008, 48, 788-800. | 2.0 | 164 |
| 34 | Experimental Evaluation of Sinusoidal Leading Edges. <i>Journal of Aircraft</i> , 2007, 44, 1404-1408. | 2.4 | 211 |
| 35 | Evaluation of synthetic phospholipid ultrasound contrast agents. <i>Ultrasonics</i> , 2002, 40, 973-982. | 3.9 | 19 |
| 36 | The effect of boundary properties on controlled Rayleighâ€”BÃ©nard convection. <i>Journal of Fluid Mechanics</i> , 2000, 411, 39-58. | 3.4 | 25 |

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|----|--|------|-----------|
| 37 | Effects of anisotropy and boundary plates on the critical values of a porous medium heated from below. <i>International Journal of Heat and Mass Transfer</i> , 1999, 42, 3419-3430. | 4.8 | 7 |
| 38 | Active control of Rayleigh-Bénard convection. <i>Physics of Fluids</i> , 1997, 9, 1861-1863. | 4.0 | 52 |
| 39 | Linear stability analysis of controlled Rayleigh-Bénard convection using shadowgraphic measurement. <i>Physics of Fluids</i> , 1997, 9, 3111-3113. | 4.0 | 31 |
| 40 | Control of Rayleigh-Bénard convection in a small aspect ratio container. <i>International Journal of Heat and Mass Transfer</i> , 1997, 40, 817-822. | 4.8 | 39 |
| 41 | Visualization of convective fluid flow in a porous medium. <i>Nature</i> , 1993, 362, 230-232. | 27.8 | 36 |