

Jean Potvin

List of Publications by Year in descending order

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17
papers

578
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of maneuvering performance in baleen whales: larger whales outperform expectations. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	10
2	Scaling of oscillatory kinematics and Froude efficiency in baleen whales. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	12
3	Predator-informed looming stimulus experiments reveal how large filter feeding whales capture highly maneuverable forage fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 472-478.	7.1	42
4	A perfectly inelastic collision: Bulk prey engulfment by baleen whales and dynamical implications for the world's largest cetaceans. <i>American Journal of Physics</i> , 2020, 88, 851-863.	0.7	12
5	Energetic and physical limitations on the breaching performance of large whales. <i>ELife</i> , 2020, 9, .	6.0	17
6	Lunge Feeding in Rorqual Whales. <i>Physiology</i> , 2019, 34, 409-418.	3.1	13
7	Scaling of swimming performance in baleen whales. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	45
8	Filtration area scaling and evolution in mysticetes: trophic niche partitioning and the curious cases of sei and pygmy right whales. <i>Biological Journal of the Linnean Society</i> , 2018, 125, 264-279.	1.6	30
9	Physical trade-offs shape the evolution of buoyancy control in sharks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171345.	2.6	30
10	Oral cavity hydrodynamics and drag production in Balaenid whale suspension feeding. <i>PLoS ONE</i> , 2017, 12, e0175220.	2.5	24
11	Averaged Propulsive Body Acceleration (APBA) Can Be Calculated from Biologging Tags That Incorporate Gyroscopes and Accelerometers to Estimate Swimming Speed, Hydrodynamic Drag and Energy Expenditure for Steller Sea Lions. <i>PLoS ONE</i> , 2016, 11, e0157326.	2.5	21
12	Hydrodynamic properties of fin whale flippers predict maximum rolling performance. <i>Journal of Experimental Biology</i> , 2016, 219, 3315-3320.	1.7	44
13	Baleen Hydrodynamics and Morphology of Cross-Flow Filtration in Balaenid Whale Suspension Feeding. <i>PLoS ONE</i> , 2016, 11, e0150106.	2.5	60
14	Mechanical challenges to freshwater residency in sharks and rays. <i>Journal of Experimental Biology</i> , 2015, 218, 1099-1110.	1.7	20
15	Using morphology to infer physiology: case studies on rorqual whales (Balaenopteridae). <i>Canadian Journal of Zoology</i> , 2015, 93, 687-700.	1.0	11
16	Metabolic Expenditures of Lunge Feeding Rorquals Across Scale: Implications for the Evolution of Filter Feeding and the Limits to Maximum Body Size. <i>PLoS ONE</i> , 2012, 7, e44854.	2.5	74
17	Scaling of lunge-feeding performance in rorqual whales: mass-specific energy expenditure increases with body size and progressively limits diving capacity. <i>Functional Ecology</i> , 2012, 26, 216-226.	3.6	113