

# David Lusseau

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

10,558  
citations

41627

51  
h-index

38517

99  
g-index

133  
all docs

133  
docs citations

133  
times ranked

8105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Untargeted plasma metabolomic analysis of wild bottlenose dolphins ( <i>Tursiops truncatus</i> ) indicate protein degradation when in poorer health. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022, 42, 100991.	0.4	1
2	Tourism and Research Impacts on Marine Mammals: A Bold Future Informed by Research and Technology. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2022, , 255-275.	0.4	3
3	Parallels of human language in the behavior of bottlenose dolphins. <i>Linguistic Frontiers</i> , 2022, 5, 5-11.	0.1	1
4	Modelling habitat suitability for a potential flagship species, the hooded capuchin, of the Paraguayan Upper Paraná Atlantic Forest. <i>Ecological Solutions and Evidence</i> , 2022, 3, .	0.8	1
5	The Effects of Graded Levels of Calorie Restriction: XVI. Metabolomic Changes in the Cerebellum Indicate Activation of Hypothalamocerebellar Connections Driven by Hunger Responses. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 601-610.	1.7	8
6	Comparative genomics of cetartiodactyla: energy metabolism underpins the transition to an aquatic lifestyle. , 2021, 9, coaa136.		12
7	The biogeography of group sizes in humpback dolphins ( <i>Sousa</i> spp.). <i>Integrative Zoology</i> , 2021, 16, 527-537.	1.3	8
8	Tourism informing conservation: The distribution of four dolphin species varies with calf presence and increases their vulnerability to vessel traffic in the four-island region of Maui, Hawaii. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12065.	0.8	1
9	Metabolic response of dolphins to short-term fasting reveals physiological changes that differ from the traditional fasting model. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	11
10	Intra-Population Variability in Group Size of Indo-Pacific Humpback Dolphins ( <i>Sousa chinensis</i> ). <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	7
11	The effects of graded calorie restriction XVII: Multitissue metabolomics reveals synthesis of carnitine and NAD, and tRNA charging as key pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
12	Marine Protected Areas provide more cultural ecosystem services than other adjacent coastal areas. <i>One Earth</i> , 2021, 4, 1175-1185.	3.6	9
13	Group Size of Indo-Pacific Humpback Dolphins ( <i>Sousa chinensis</i> ): An Examination of Methodological and Biogeographical Variances. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	3
14	The Effects of Graded Levels of Calorie Restriction: XIV. Global Metabolomics Screen Reveals Brown Adipose Tissue Changes in Amino Acids, Catecholamines, and Antioxidants After Short-Term Restriction in C57BL/6 Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 218-229.	1.7	14
15	Monitoring tourists' specialisation and implementing adaptive governance is necessary to avoid failure of the wildlife tourism commons. <i>Tourism Management</i> , 2020, 81, 104160.	5.8	9
16	Dolphins and Boats: When Is a Disturbance, Disturbing?. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	18
17	Toward New Ecologically Relevant Markers of Health for Cetaceans. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
18	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 858-866.	1.7	3

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19	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 16-26.	1.7	14
20	Using taxonomically-relevant condition proxies when estimating the conservation impact of wildlife tourism effects. <i>Tourism Management</i> , 2019, 75, 547-549.	5.8	3
21	Trophy hunting: Bans create opening for change. <i>Science</i> , 2019, 366, 434-435.	6.0	11
22	A physarum-inspired competition algorithm for solving discrete multi-objective optimization problems. , 2019, , .		2
23	Income-based variation in Sustainable Development Goal interaction networks. <i>Nature Sustainability</i> , 2019, 2, 242-247.	11.5	139
24	A Hexagonal Cell Automaton Model to Imitate Physarum Polycephalum Competitive Behaviour. , 2019, , .		0
25	Quantifying wildlife watchers's preferences to investigate the overlap between recreational and conservation value of natural areas. <i>Journal of Applied Ecology</i> , 2019, 56, 387-397.	1.9	21
26	The Effects of Graded Levels of Calorie Restriction: X. Transcriptomic Responses of Epididymal Adipose Tissue. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 279-288.	1.7	18
27	Influence of body condition on the population dynamics of Atlantic salmon with consideration of the potential impact of sea lice. <i>Journal of Fish Diseases</i> , 2018, 41, 941-951.	0.9	13
28	Using social media to quantify spatial and temporal dynamics of nature-based recreational activities. <i>PLoS ONE</i> , 2018, 13, e0200565.	1.1	68
29	Understanding the population consequences of disturbance. <i>Ecology and Evolution</i> , 2018, 8, 9934-9946.	0.8	186
30	Context-dependent reduction in somatic condition of wild Atlantic salmon infested with sea lice. <i>Marine Ecology - Progress Series</i> , 2018, 606, 91-104.	0.9	11
31	The effects of graded levels of calorie restriction: IX. Global metabolomic screen reveals modulation of carnitines, sphingolipids and bile acids in the liver of C57BL/6 mice. <i>Aging Cell</i> , 2017, 16, 529-540.	3.0	48
32	The "strength of weak ties" among female baboons: fitness-related benefits of social bonds. <i>Animal Behaviour</i> , 2017, 126, 101-106.	0.8	101
33	Using qualitative models to define sustainable management for the commons in data poor conditions. <i>Environmental Science and Policy</i> , 2017, 67, 52-60.	2.4	5
34	The effects of graded levels of calorie restriction: XI. Evaluation of the main hypotheses underpinning the life extension effects of CR using the hepatic transcriptome. <i>Aging</i> , 2017, 9, 1770-1824.	1.4	30
35	The effects of graded levels of calorie restriction: VIII. Impact of short term calorie and protein restriction on basal metabolic rate in the C57BL/6 mouse. <i>Oncotarget</i> , 2017, 8, 17453-17474.	0.8	34
36	The effects of graded levels of calorie restriction: V. Impact of short term calorie and protein restriction on physical activity in the C57BL/6 mouse. <i>Oncotarget</i> , 2016, 7, 19147-19170.	0.8	37

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37	Food provisioning increases the risk of injury in a long-lived marine top predator. <i>Royal Society Open Science</i> , 2016, 3, 160560.	1.1	33
38	Can We Sustainably Harvest Ivory?. <i>Current Biology</i> , 2016, 26, 2951-2956.	1.8	12
39	Proof of principle: the adaptive geometry of social foragers. <i>Animal Behaviour</i> , 2016, 119, 173-178.	0.8	18
40	Using resilience to predict the effects of disturbance. <i>Scientific Reports</i> , 2016, 6, 25539.	1.6	12
41	The effects of graded levels of calorie restriction: VI. Impact of short-term graded calorie restriction on transcriptomic responses of the hypothalamic hunger and circadian signaling pathways. <i>Aging</i> , 2016, 8, 642-661.	1.4	24
42	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. <i>Aging</i> , 2016, 8, 917-932.	1.4	18
43	Meta-analyses of whale-watching impact studies: comparisons of cetacean responses to disturbance. <i>Marine Ecology - Progress Series</i> , 2016, 542, 251-263.	0.9	99
44	Linking Behavior to Vital Rates to Measure the Effects of Non-Lethal Disturbance on Wildlife. <i>Conservation Letters</i> , 2015, 8, 424-431.	2.8	77
45	The effects of graded levels of calorie restriction: IV. Non-linear change in behavioural phenotype of mice in response to short-term calorie restriction. <i>Scientific Reports</i> , 2015, 5, 13198.	1.6	21
46	Predicting the effects of human developments on individual dolphins to understand potential long-term population consequences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152109.	1.2	31
47	Structure and Dynamics of Minke Whale Surfacing Patterns in the Gulf of St. Lawrence, Canada. <i>PLoS ONE</i> , 2015, 10, e0126396.	1.1	9
48	The effects of graded levels of calorie restriction: I. impact of short term calorie and protein restriction on body composition in the C57BL/6 mouse. <i>Oncotarget</i> , 2015, 6, 15902-15930.	0.8	89
49	Estimating cumulative exposure of wildlife to non-lethal disturbance using spatially explicit capture-recapture models. <i>Journal of Wildlife Management</i> , 2015, 79, 311-324.	0.7	35
50	Quantifying the effect of boat disturbance on bottlenose dolphin foraging activity. <i>Biological Conservation</i> , 2015, 181, 82-89.	1.9	142
51	Estimating spatial, temporal and individual variability in dolphin cumulative exposure to boat traffic using spatially explicit capture-recapture methods. <i>Animal Conservation</i> , 2015, 18, 20-31.	1.5	26
52	Managing the wildlife tourism commons. <i>Ecological Applications</i> , 2015, 25, 729-741.	1.8	29
53	The effects of graded levels of calorie restriction: II. Impact of short term calorie and protein restriction on circulating hormone levels, glucose homeostasis and oxidative stress in male C57BL/6 mice. <i>Oncotarget</i> , 2015, 6, 23213-23237.	0.8	76
54	The effects of graded levels of calorie restriction: III. Impact of short term calorie and protein restriction on mean daily body temperature and torpor use in the C57BL/6 mouse. <i>Oncotarget</i> , 2015, 6, 18314-18337.	0.8	51

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55	Long-Lasting, Kin-Directed Female Interactions in a Spatially Structured Wild Boar Social Network. PLoS ONE, 2014, 9, e99875.	1.1	77
56	Reproduction, birth seasonality, and calf survival of bottlenose dolphins in Doubtful Sound, New Zealand. Marine Mammal Science, 2014, 30, 1067-1080.	0.9	40
57	Activities, motivations and disturbance: An agent-based model of bottlenose dolphin behavioral dynamics and interactions with tourism in Doubtful Sound, New Zealand. Ecological Modelling, 2014, 282, 44-58.	1.2	33
58	Female body condition affects foetal growth in a capital breeding mysticete. Functional Ecology, 2014, 28, 579-588.	1.7	68
59	Sex differences in risk perception in deep-diving bottlenose dolphins leads to decreased foraging efficiency when exposed to human disturbance. Journal of Applied Ecology, 2014, 51, 1584-1592.	1.9	27
60	Inferring energy expenditure from respiration rates in minke whales to measure the effects of whale watching boat interactions. Journal of Experimental Marine Biology and Ecology, 2014, 459, 96-104.	0.7	81
61	Scale-dependent foraging ecology of a marine top predator modelled using passive acoustic data. Functional Ecology, 2014, 28, 206-217.	1.7	66
62	Understanding the ecological effects of whale-watching on cetaceans. , 2014, , 177-192.		22
63	Using short-term measures of behaviour to estimate long-term fitness of southern elephant seals. Marine Ecology - Progress Series, 2014, 496, 99-108.	0.9	156
64	The influence of repressive legislation on the structure of a social media network. Europhysics Letters, 2013, 104, 58004.	0.7	5
65	Network modularity promotes cooperation. Journal of Theoretical Biology, 2013, 324, 103-108.	0.8	33
66	Whale watching disrupts feeding activities of minke whales on a feeding ground. Marine Ecology - Progress Series, 2013, 478, 239-251.	0.9	81
67	Pseudo-replication confounds the assessment of long-distance detection of gillnets by porpoises: Comment on Nielsen et al. (2012). Marine Ecology - Progress Series, 2013, 478, 301-302.	0.9	3
68	Dredging displaces bottlenose dolphins from an urbanised foraging patch. Marine Pollution Bulletin, 2013, 74, 396-402.	2.3	58
69	Inferring activity budgets in wild animals to estimate the consequences of disturbances. Behavioral Ecology, 2013, 24, 1415-1425.	1.0	84
70	Minke whales maximise energy storage on their feeding grounds. Journal of Experimental Biology, 2013, 216, 427-436.	0.8	51
71	Scalar social dynamics in female vervet monkey cohorts. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120351.	1.8	57
72	Modelling the biological significance of behavioural change in coastal bottlenose dolphins in response to disturbance. Functional Ecology, 2013, 27, 314-322.	1.7	89

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73	Compression as a Universal Principle of Animal Behavior. <i>Cognitive Science</i> , 2013, 37, 1565-1578.	0.8	56
74	Taking sociality seriously: the structure of multi-dimensional social networks as a source of information for individuals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 2108-2118.	1.8	134
75	<scp>S</scp>ocial learning of risky behaviour: importance for impact assessments, conservation and management of humanâ€™ wildlife interactions. <i>Animal Conservation</i> , 2012, 15, 442-444.	1.5	5
76	The role of synchronized swimming as affiliative and anti-predatory behavior in long-finned pilot whales. <i>Behavioural Processes</i> , 2012, 91, 8-14.	0.5	33
77	The structure of a bottlenose dolphin society is coupled to a unique foraging cooperation with artisanal fishermen. <i>Biology Letters</i> , 2012, 8, 702-705.	1.0	104
78	The social side of humanâ€™ wildlife interaction: wildlife can learn harmful behaviours from each other. <i>Animal Conservation</i> , 2012, 15, 427-435.	1.5	51
79	Spider monkeys use highâ€™quality core areas in a tropical dry forest. <i>Journal of Zoology</i> , 2012, 287, 250-258.	0.8	25
80	What is a subgroup? How socioecological factors influence interindividual distance. <i>Behavioral Ecology</i> , 2012, 23, 1308-1315.	1.0	36
81	Animal social networks as substrate for cultural behavioural diversity. <i>Journal of Theoretical Biology</i> , 2012, 294, 19-28.	0.8	41
82	Underestimating the damage: interpreting cetacean carcass recoveries in the context of the Deepwater Horizon/BP incident. <i>Conservation Letters</i> , 2011, 4, 228-233.	2.8	157
83	Inferring causal factors for a declining population of bottlenose dolphins <i>via</i> temporal symmetry captureâ€™recapture modeling. <i>Marine Mammal Science</i> , 2011, 27, 554-566.	0.9	17
84	Collective decisionâ€™making and fissionâ€™fusion dynamics: a conceptual framework. <i>Oikos</i> , 2011, 120, 1608-1617.	1.2	169
85	Assessing the responses of coastal cetaceans to the construction of offshore wind turbines. <i>Marine Pollution Bulletin</i> , 2010, 60, 1200-1208.	2.3	68
86	Female bisexual kinship ties maintain social cohesion in a dolphin network. <i>Animal Behaviour</i> , 2010, 80, 895-904.	0.8	75
87	Using Tâ€™PODs to assess variations in the occurrence of coastal bottlenose dolphins and harbour porpoises. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010, 20, 150-158.	0.9	50
88	Efficient coding in dolphin surface behavioral patterns. <i>Complexity</i> , 2009, 14, 23-25.	0.9	23
89	Survival rates for a declining population of bottlenose dolphins in Doubtful Sound, New Zealand: an information theoretic approach to assessing the role of human impacts. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 658-670.	0.9	86
90	Cyclicity in the structure of female baboon social networks. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1015-1021.	0.6	190

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91	The emergence of unshared consensus decisions in bottlenose dolphins. Behavioral Ecology and Sociobiology, 2009, 63, 1067-1077.	0.6	90
92	Animal social networks: an introduction. Behavioral Ecology and Sociobiology, 2009, 63, 967-973.	0.6	274
93	The role of social aggregations and protected areas in killer whale conservation: The mixed blessing of critical habitat. Biological Conservation, 2009, 142, 709-719.	1.9	52
94	<i>The Question of Animal Culture</i>. <i>Edited by</i> Kevin N.ÂLaland and Bennett G.ÂGalef. Cambridge (Massachusetts): Harvard University Press. \$49.95. vii + 351 p.; ill.; index. 978â€0â€674â€03126â€5. 2009.. Quarterly Review of Biology, 2009, 84, 412-413.	0.0	0
95	Vessel traffic disrupts the foraging behavior of southern resident killer whales Orcinus orca. Endangered Species Research, 2009, 6, 211-221.	1.2	178
96	A claim in search of evidence: reply to Mangerâ€™s thermogenesis hypothesis of cetacean brain structure. Biological Reviews, 2008, 83, 417-440.	4.7	55
97	Incorporating uncertainty into the study of animal social networks. Animal Behaviour, 2008, 75, 1809-1815.	0.8	142
98	VALUABLE LESSONS FROM STUDIES EVALUATING IMPACTS OF CETACEAN-WATCH TOURISM. Bioacoustics, 2008, 17, 158-161.	0.7	4
99	Tourism affects the behavioural budget of the common dolphin Delphinus sp. in the Hauraki Gulf, New Zealand. Marine Ecology - Progress Series, 2008, 355, 287-295.	0.9	117
100	A Bayesian Captureâ€Recapture Population Model With Simultaneous Estimation of Heterogeneity. Journal of the American Statistical Association, 2008, 103, 948-960.	1.8	24
101	Slaughtering the Goose that Lays the Golden Egg: Are Whaling and Whale-Watching Mutually Exclusive?. Current Issues in Tourism, 2008, 11, 63-74.	4.6	36
102	An integrated and adaptive management model to address the long-term sustainability of tourist interactions with cetaceans. Environmental Conservation, 2008, 35, 294.	0.7	89
103	Why Are Male Social Relationships Complex in the Doubtful Sound Bottlenose Dolphin Population?. PLoS ONE, 2007, 2, e348.	1.1	54
104	Vulnerability of a killer whale social network to disease outbreaks. Physical Review E, 2007, 76, 042901.	0.8	40
105	Cetaceans Have Complex Brains for Complex Cognition. PLoS Biology, 2007, 5, e139.	2.6	239
106	Urgent Need for Empirical Research into Whaling and Whale Watching. Conservation Biology, 2007, 21, 554-558.	2.4	47
107	Evidence for social role in a dolphin social network. Evolutionary Ecology, 2007, 21, 357-366.	0.5	113
108	A killer whale social network is vulnerable to targeted removals. Biology Letters, 2006, 2, 497-500.	1.0	149

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109	Why do dolphins jump? Interpreting the behavioural repertoire of bottlenose dolphins ( <i>Tursiops</i> sp.) in Doubtful Sound, New Zealand. <i>Behavioural Processes</i> , 2006, 73, 257-265.	0.5	59
110	Estimating relative energetic costs of human disturbance to killer whales ( <i>Orcinus orca</i> ). <i>Biological Conservation</i> , 2006, 133, 301-311.	1.9	307
111	Unsustainable Dolphin-watching Tourism in Fiordland, New Zealand. <i>Tourism in Marine Environments</i> , 2006, 3, 173-178.	0.1	119
112	THE SHORT-TERM BEHAVIORAL REACTIONS OF BOTTLENOSE DOLPHINS TO INTERACTIONS WITH BOATS IN DOUBTFUL SOUND, NEW ZEALAND. <i>Marine Mammal Science</i> , 2006, 22, 802-818.	0.9	110
113	Quantifying the influence of sociality on population structure in bottlenose dolphins. <i>Journal of Animal Ecology</i> , 2006, 75, 14-24.	1.3	231
114	Long-term correlations in the surface behavior of dolphins. <i>Europhysics Letters</i> , 2006, 74, 1095-1101.	0.7	9
115	Pseudoreplication Problems in Studies of Dolphin and Porpoise Reactions to Pingers. <i>Marine Mammal Science</i> , 2005, 21, 175-176.	0.9	11
116	Residency pattern of bottlenose dolphins <i>Tursiops</i> spp. in Milford Sound, New Zealand, is related to boat traffic. <i>Marine Ecology - Progress Series</i> , 2005, 295, 265-272.	0.9	149
117	Identifying the role that animals play in their social networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S477-81.	1.2	535
118	Parallel influence of climate on the behaviour of Pacific killer whales and Atlantic bottlenose dolphins. <i>Ecology Letters</i> , 2004, 7, 1068-1076.	3.0	84
119	INCREASING THE PRECISION OF THEODOLITE TRACKING: MODIFIED TECHNIQUE TO CALCULATE THE ALTITUDE OF LAND-BASED OBSERVATION SITES. <i>Marine Mammal Science</i> , 2004, 20, 880-885.	0.9	9
120	Managing the impacts of dolphin-based tourism through the definition of critical habitats: the case of bottlenose dolphins ( <i>Tursiops</i> spp.) in Doubtful Sound, New Zealand. <i>Tourism Management</i> , 2004, 25, 657-667.	5.8	138
121	The Hidden Cost of Tourism: Detecting Long-term Effects of Tourism Using Behavioral Information. <i>Ecology and Society</i> , 2004, 9, .	1.0	155
122	The Energetic Cost of Path Sinuosity Related to Road Density in the Wolf Community of Jasper National Park. <i>Ecology and Society</i> , 2004, 9, .	1.0	14
123	The bottlenose dolphin community of Doubtful Sound features a large proportion of long-lasting associations. <i>Behavioral Ecology and Sociobiology</i> , 2003, 54, 396-405.	0.6	1,831
124	The emergence of cetaceans: phylogenetic analysis of male social behaviour supports the Cetartiodactyla clade. <i>Journal of Evolutionary Biology</i> , 2003, 16, 531-535.	0.8	20
125	Effects of Tour Boats on the Behavior of Bottlenose Dolphins: Using Markov Chains to Model Anthropogenic Impacts. <i>Conservation Biology</i> , 2003, 17, 1785-1793.	2.4	266
126	The emergent properties of a dolphin social network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, S186-8.	1.2	596



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127	Male and female bottlenose dolphins <i>Tursiops</i> spp. have different strategies to avoid interactions with tour boats in Doubtful Sound, New Zealand. <i>Marine Ecology - Progress Series</i> , 2003, 257, 267-274.	0.9	149
128	Ecological constraints and the propensity for population consequences of whale-watching disturbances. , 0, , 229-241.		5
129	A Global Assessment of Tourism and Recreation Conservation Threats to Prioritise Interventions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0