

# David Lusseau

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

10,558  
citations

36303

51  
h-index

33894

99  
g-index

133  
all docs

133  
docs citations

133  
times ranked

7227  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.4	1,831
2	The emergent properties of a dolphin social network. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, S186-8.	2.6	596
3	Identifying the role that animals play in their social networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S477-81.	2.6	535
4	Estimating relative energetic costs of human disturbance to killer whales ( <i>Orcinus orca</i> ). <i>Biological Conservation</i> , 2006, 133, 301-311.	4.1	307
5	Animal social networks: an introduction. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 967-973.	1.4	274
6	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.	4.7	266
7	Cetaceans Have Complex Brains for Complex Cognition. <i>PLoS Biology</i> , 2007, 5, e139.	5.6	239
8	Quantifying the influence of sociality on population structure in bottlenose dolphins. <i>Journal of Animal Ecology</i> , 2006, 75, 14-24.	2.8	231
9	Cyclicity in the structure of female baboon social networks. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1015-1021.	1.4	190
10	Understanding the population consequences of disturbance. <i>Ecology and Evolution</i> , 2018, 8, 9934-9946.	1.9	186
11	Vessel traffic disrupts the foraging behavior of southern resident killer whales <i>Orcinus orca</i> . <i>Endangered Species Research</i> , 2009, 6, 211-221.	2.4	178
12	Collective decision-making and fission-fusion dynamics: a conceptual framework. <i>Oikos</i> , 2011, 120, 1608-1617.	2.7	169
13	Underestimating the damage: interpreting cetacean carcass recoveries in the context of the Deepwater Horizon/BP incident. <i>Conservation Letters</i> , 2011, 4, 228-233.	5.7	157
14	Using short-term measures of behaviour to estimate long-term fitness of southern elephant seals. <i>Marine Ecology - Progress Series</i> , 2014, 496, 99-108.	1.9	156
15	The Hidden Cost of Tourism: Detecting Long-term Effects of Tourism Using Behavioral Information. <i>Ecology and Society</i> , 2004, 9, .	2.3	155
16	A killer whale social network is vulnerable to targeted removals. <i>Biology Letters</i> , 2006, 2, 497-500.	2.3	149
17	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.	1.9	149
18	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.	1.9	149

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19	Incorporating uncertainty into the study of animal social networks. <i>Animal Behaviour</i> , 2008, 75, 1809-1815.	1.9	142
20	Quantifying the effect of boat disturbance on bottlenose dolphin foraging activity. <i>Biological Conservation</i> , 2015, 181, 82-89.	4.1	142
21	Income-based variation in Sustainable Development Goal interaction networks. <i>Nature Sustainability</i> , 2019, 2, 242-247.	23.7	139
22	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.	9.8	138
23	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.	4.0	134
24	Unsustainable Dolphin-watching Tourism in Fiordland, New Zealand. <i>Tourism in Marine Environments</i> , 2006, 3, 173-178.	0.4	119
25	Tourism affects the behavioural budget of the common dolphin <i>Delphinus</i> sp. in the Hauraki Gulf, New Zealand. <i>Marine Ecology - Progress Series</i> , 2008, 355, 287-295.	1.9	117
26	Evidence for social role in a dolphin social network. <i>Evolutionary Ecology</i> , 2007, 21, 357-366.	1.2	113
27	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.	1.8	110
28	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.	2.3	104
29	The "strength of weak ties"™ among female baboons: fitness-related benefits of social bonds. <i>Animal Behaviour</i> , 2017, 126, 101-106.	1.9	101
30	Meta-analyses of whale-watching impact studies: comparisons of cetacean responses to disturbance. <i>Marine Ecology - Progress Series</i> , 2016, 542, 251-263.	1.9	99
31	The emergence of unshared consensus decisions in bottlenose dolphins. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 1067-1077.	1.4	90
32	An integrated and adaptive management model to address the long-term sustainability of tourist interactions with cetaceans. <i>Environmental Conservation</i> , 2008, 35, 294.	1.3	89
33	Modelling the biological significance of behavioural change in coastal bottlenose dolphins in response to disturbance. <i>Functional Ecology</i> , 2013, 27, 314-322.	3.6	89
34	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.	1.8	89
35	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.	2.0	86
36	Parallel influence of climate on the behaviour of Pacific killer whales and Atlantic bottlenose dolphins. <i>Ecology Letters</i> , 2004, 7, 1068-1076.	6.4	84

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37	Inferring activity budgets in wild animals to estimate the consequences of disturbances. <i>Behavioral Ecology</i> , 2013, 24, 1415-1425.	2.2	84
38	Whale watching disrupts feeding activities of minke whales on a feeding ground. <i>Marine Ecology - Progress Series</i> , 2013, 478, 239-251.	1.9	81
39	Inferring energy expenditure from respiration rates in minke whales to measure the effects of whale watching boat interactions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 459, 96-104.	1.5	81
40	Long-Lasting, Kin-Directed Female Interactions in a Spatially Structured Wild Boar Social Network. <i>PLoS ONE</i> , 2014, 9, e99875.	2.5	77
41	Linking Behavior to Vital Rates to Measure the Effects of Non-Lethal Disturbance on Wildlife. <i>Conservation Letters</i> , 2015, 8, 424-431.	5.7	77
42	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.	1.8	76
43	Female bisexual kinship ties maintain social cohesion in a dolphin network. <i>Animal Behaviour</i> , 2010, 80, 895-904.	1.9	75
44	Assessing the responses of coastal cetaceans to the construction of offshore wind turbines. <i>Marine Pollution Bulletin</i> , 2010, 60, 1200-1208.	5.0	68
45	Female body condition affects foetal growth in a capital breeding mysticete. <i>Functional Ecology</i> , 2014, 28, 579-588.	3.6	68
46	Using social media to quantify spatial and temporal dynamics of nature-based recreational activities. <i>PLoS ONE</i> , 2018, 13, e0200565.	2.5	68
47	Scale-dependent foraging ecology of a marine top predator modelled using passive acoustic data. <i>Functional Ecology</i> , 2014, 28, 206-217.	3.6	66
48	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.	1.1	59
49	Dredging displaces bottlenose dolphins from an urbanised foraging patch. <i>Marine Pollution Bulletin</i> , 2013, 74, 396-402.	5.0	58
50	Scalar social dynamics in female vervet monkey cohorts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120351.	4.0	57
51	Compression as a Universal Principle of Animal Behavior. <i>Cognitive Science</i> , 2013, 37, 1565-1578.	1.7	56
52	A claim in search of evidence: reply to Manger's thermogenesis hypothesis of cetacean brain structure. <i>Biological Reviews</i> , 2008, 83, 417-440.	10.4	55
53	Why Are Male Social Relationships Complex in the Doubtful Sound Bottlenose Dolphin Population?. <i>PLoS ONE</i> , 2007, 2, e348.	2.5	54
54	The role of social aggregations and protected areas in killer whale conservation: The mixed blessing of critical habitat. <i>Biological Conservation</i> , 2009, 142, 709-719.	4.1	52

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55	The social side of human-wildlife interaction: wildlife can learn harmful behaviours from each other. <i>Animal Conservation</i> , 2012, 15, 427-435.	2.9	51
56	Minke whales maximise energy storage on their feeding grounds. <i>Journal of Experimental Biology</i> , 2013, 216, 427-436.	1.7	51
57	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.	1.8	51
58	Using 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.	2.0	50
59	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.	6.7	48
60	Urgent Need for Empirical Research into Whaling and Whale Watching. <i>Conservation Biology</i> , 2007, 21, 554-558.	4.7	47
61	Animal social networks as substrate for cultural behavioural diversity. <i>Journal of Theoretical Biology</i> , 2012, 294, 19-28.	1.7	41
62	Vulnerability of a killer whale social network to disease outbreaks. <i>Physical Review E</i> , 2007, 76, 042901.	2.1	40
63	Reproduction, birth seasonality, and calf survival of bottlenose dolphins in Doubtful Sound, New Zealand. <i>Marine Mammal Science</i> , 2014, 30, 1067-1080.	1.8	40
64	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.	1.8	37
65	Slaughtering the Goose that Lays the Golden Egg: Are Whaling and Whale-Watching Mutually Exclusive?. <i>Current Issues in Tourism</i> , 2008, 11, 63-74.	7.2	36
66	What is a subgroup? How socioecological factors influence interindividual distance. <i>Behavioral Ecology</i> , 2012, 23, 1308-1315.	2.2	36
67	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.	1.8	35
68	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.	1.8	34
69	The role of synchronized swimming as affiliative and anti-predatory behavior in long-finned pilot whales. <i>Behavioural Processes</i> , 2012, 91, 8-14.	1.1	33
70	Network modularity promotes cooperation. <i>Journal of Theoretical Biology</i> , 2013, 324, 103-108.	1.7	33
71	Activities, motivations and disturbance: An agent-based model of bottlenose dolphin behavioral dynamics and interactions with tourism in Doubtful Sound, New Zealand. <i>Ecological Modelling</i> , 2014, 282, 44-58.	2.5	33
72	Food provisioning increases the risk of injury in a long-lived marine top predator. <i>Royal Society Open Science</i> , 2016, 3, 160560.	2.4	33

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73	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.	2.6	31
74	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.	3.1	30
75	Managing the wildlife tourism commons. <i>Ecological Applications</i> , 2015, 25, 729-741.	3.8	29
76	Sex differences in risk perception in deep-diving bottlenose dolphins leads to decreased foraging efficiency when exposed to human disturbance. <i>Journal of Applied Ecology</i> , 2014, 51, 1584-1592.	4.0	27
77	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.	2.9	26
78	Spider monkeys use high-quality core areas in a tropical dry forest. <i>Journal of Zoology</i> , 2012, 287, 250-258.	1.7	25
79	A Bayesian Capture-Recapture Population Model With Simultaneous Estimation of Heterogeneity. <i>Journal of the American Statistical Association</i> , 2008, 103, 948-960.	3.1	24
80	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.	3.1	24
81	Efficient coding in dolphin surface behavioral patterns. <i>Complexity</i> , 2009, 14, 23-25.	1.6	23
82	Understanding the ecological effects of whale-watching on cetaceans. , 2014, , 177-192.		22
83	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.	3.3	21
84	Quantifying wildlife watchers' preferences to investigate the overlap between recreational and conservation value of natural areas. <i>Journal of Applied Ecology</i> , 2019, 56, 387-397.	4.0	21
85	The emergence of cetaceans: phylogenetic analysis of male social behaviour supports the Cetartiodactyla clade. <i>Journal of Evolutionary Biology</i> , 2003, 16, 531-535.	1.7	20
86	Proof of principle: the adaptive geometry of social foragers. <i>Animal Behaviour</i> , 2016, 119, 173-178.	1.9	18
87	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.	3.6	18
88	Dolphins and Boats: When Is a Disturbance, Disturbing?. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	18
89	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. <i>Aging</i> , 2016, 8, 917-932.	3.1	18
90	Inferring causal factors for a declining population of bottlenose dolphins via temporal symmetry capture-recapture modeling. <i>Marine Mammal Science</i> , 2011, 27, 554-566.	1.8	17

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91	Toward New Ecologically Relevant Markers of Health for Cetaceans. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	17
92	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.	3.6	14
93	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.	3.6	14
94	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, .	2.3	14
95	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.	1.9	13
96	Can We Sustainably Harvest Ivory?. <i>Current Biology</i> , 2016, 26, 2951-2956.	3.9	12
97	Using resilience to predict the effects of disturbance. <i>Scientific Reports</i> , 2016, 6, 25539.	3.3	12
98	Comparative genomics of cetartiodactyla: energy metabolism underpins the transition to an aquatic lifestyle. , 2021, 9, coaa136.		12
99	Pseudoreplication Problems in Studies of Dolphin and Porpoise Reactions to Pingers. <i>Marine Mammal Science</i> , 2005, 21, 175-176.	1.8	11
100	Trophy hunting: Bans create opening for change. <i>Science</i> , 2019, 366, 434-435.	12.6	11
101	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, .	1.7	11
102	Context-dependent reduction in somatic condition of wild Atlantic salmon infested with sea lice. <i>Marine Ecology - Progress Series</i> , 2018, 606, 91-104.	1.9	11
103	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, .	7.1	10
104	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.	1.8	9
105	Long-term correlations in the surface behavior of dolphins. <i>Europhysics Letters</i> , 2006, 74, 1095-1101.	2.0	9
106	Structure and Dynamics of Minke Whale Surfacing Patterns in the Gulf of St. Lawrence, Canada. <i>PLoS ONE</i> , 2015, 10, e0126396.	2.5	9
107	Monitoring touristsâ€™ specialisation and implementing adaptive governance is necessary to avoid failure of the wildlife tourism commons. <i>Tourism Management</i> , 2020, 81, 104160.	9.8	9
108	Marine Protected Areas provide more cultural ecosystem services than other adjacent coastal areas. <i>One Earth</i> , 2021, 4, 1175-1185.	6.8	9

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109	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.	3.6	8
110	The biogeography of group sizes in humpback dolphins ( <i>Sousa</i> spp.). <i>Integrative Zoology</i> , 2021, 16, 527-537.	2.6	8
111	Intra-Population Variability in Group Size of Indo-Pacific Humpback Dolphins ( <i>Sousa chinensis</i> ). <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
112	social learning of risky behaviour: importance for impact assessments, conservation and management of human-wildlife interactions. <i>Animal Conservation</i> , 2012, 15, 442-444.	2.9	5
113	The influence of repressive legislation on the structure of a social media network. <i>Europhysics Letters</i> , 2013, 104, 58004.	2.0	5
114	Ecological constraints and the propensity for population consequences of whale-watching disturbances. , 0, , 229-241.		5
115	Using qualitative models to define sustainable management for the commons in data poor conditions. <i>Environmental Science and Policy</i> , 2017, 67, 52-60.	4.9	5
116	VALUABLE LESSONS FROM STUDIES EVALUATING IMPACTS OF CETACEAN-WATCH TOURISM. <i>Bioacoustics</i> , 2008, 17, 158-161.	1.7	4
117	Pseudo-replication confounds the assessment of long-distance detection of gillnets by porpoises: Comment on Nielsen et al. (2012). <i>Marine Ecology - Progress Series</i> , 2013, 478, 301-302.	1.9	3
118	Using taxonomically-relevant condition proxies when estimating the conservation impact of wildlife tourism effects. <i>Tourism Management</i> , 2019, 75, 547-549.	9.8	3
119	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.	3.6	3
120	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, .	2.5	3
121	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.	0.9	3
122	A physarum-inspired competition algorithm for solving discrete multi-objective optimization problems. , 2019, , .		2
123	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.	2.0	1
124	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.	1.0	1
125	Parallels of human language in the behavior of bottlenose dolphins. <i>Linguistic Frontiers</i> , 2022, 5, 5-11.	0.1	1
126	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, .	2.0	1



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127	<i>The Question of Animal Culture</i> . Edited by Kevin N. Laland and Bennett G. Galef. Cambridge (Massachusetts): Harvard University Press. \$49.95. vii + 351 p.; ill.; index. 978-0-674-03126-5. 2009.. Quarterly Review of Biology, 2009, 84, 412-413.	0.1	0
128	A Hexagonal Cell Automaton Model to Imitate Physarum Polycephalum Competitive Behaviour. , 2019, , .		0
129	A Global Assessment of Tourism and Recreation Conservation Threats to Prioritise Interventions. SSRN Electronic Journal, 0, , .	0.4	0