

David A Righton

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

5,027
citations

126907

33
h-index

95266

68
g-index

89
all docs

89
docs citations

89
times ranked

5716
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling laws of marine predator search behaviour. <i>Nature</i> , 2008, 451, 1098-1102.	27.8	852
2	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	8.7	397
3	Oceanic Spawning Migration of the European Eel (<i>Anguilla anguilla</i>). <i>Science</i> , 2009, 325, 1660-1660.	12.6	264
4	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
5	Thermal niche of Atlantic cod <i>Gadus morhua</i> : limits, tolerance and optima. <i>Marine Ecology - Progress Series</i> , 2010, 420, 1-13.	1.9	232
6	Hunt warm, rest cool: bioenergetic strategy underlying diel vertical migration of a benthic shark. <i>Journal of Animal Ecology</i> , 2006, 75, 176-190.	2.8	231
7	Climate change and fishing: a century of shifting distribution in North Sea cod. <i>Global Change Biology</i> , 2014, 20, 2473-2483.	9.5	172
8	Empirical observations of the spawning migration of European eels: The long and dangerous road to the Sargasso Sea. <i>Science Advances</i> , 2016, 2, e1501694.	10.3	152
9	FLEXIBLE FORAGING MOVEMENTS OF LEATHERBACK TURTLES ACROSS THE NORTH ATLANTIC OCEAN. <i>Ecology</i> , 2006, 87, 2647-2656.	3.2	145
10	Migratory behaviour of Atlantic cod <i>Gadus morhua</i> : natal homing is the prime stock-separating mechanism. <i>Marine Ecology - Progress Series</i> , 2007, 345, 1-12.	1.9	132
11	Minimizing errors in identifying fly flight behaviour of organisms. <i>Journal of Animal Ecology</i> , 2007, 76, 222-229.	2.8	108
12	Residency and depth movements of a coastal group of Atlantic cod (<i>Gadus morhua</i> L.). <i>Marine Biology</i> , 2006, 148, 643-654.	1.5	101
13	Thermal dynamics of ovarian maturation in Atlantic cod (<i>Gadus morhua</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 605-625.	1.4	101
14	Geolocation of North Sea cod (<i>Gadus morhua</i>) using hidden Markov models and behavioural switching. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2367-2377.	1.4	93
15	Warm water occupancy by North Sea cod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 789-798.	2.6	73
16	Disentangling structural genomic and behavioural barriers in a sea of connectivity. <i>Molecular Ecology</i> , 2019, 28, 1394-1411.	3.9	68
17	Different behaviour of North and Irish Sea cod. <i>Nature</i> , 2001, 411, 156-156.	27.8	66
18	Movements and distribution of cod (<i>Gadus morhua</i>) in the southern North Sea and English Channel: results from conventional and electronic tagging experiments. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2007, 87, 599-613.	0.8	66

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19	A Review of the Tools Used for Marine Monitoring in the UK: Combining Historic and Contemporary Methods with Modeling and Socioeconomics to Fulfill Legislative Needs and Scientific Ambitions. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	59
20	The <i>Anguilla</i> spp. migration problem: 40 million years of evolution and two millennia of speculation. <i>Journal of Fish Biology</i> , 2012, 81, 365-386.	1.6	56
21	Movement of Atlantic cod around the British Isles: implications for finer scale stock management. <i>Journal of Applied Ecology</i> , 2014, 51, 1564-1574.	4.0	55
22	Fishing mortality versus natural predation on diurnally migrating sandeels <i>Ammodytes marinus</i> . <i>Marine Ecology - Progress Series</i> , 2008, 369, 213-227.	1.9	55
23	Behaviour of stocked and naturally recruited European eels during migration. <i>Marine Ecology - Progress Series</i> , 2014, 496, 145-157.	1.9	50
24	Evidence of marine mammal predation of the European eel (<i>Anguilla anguilla</i> L.) on its marine migration. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 86, 32-38.	1.4	49
25	Important questions to progress science and sustainable management of anguillid eels. <i>Fish and Fisheries</i> , 2021, 22, 762-788.	5.3	49
26	First evidence of European eels exiting the Mediterranean Sea during their spawning migration. <i>Scientific Reports</i> , 2016, 6, 21817.	3.3	46
27	Combination of genetics and spatial modelling highlights the sensitivity of cod (<i>Gadus morhua</i>) population diversity in the North Sea to distributions of fishing. <i>ICES Journal of Marine Science</i> , 2014, 71, 794-807.	2.5	45
28	Ocean migration of pop-up satellite archival tagged Atlantic salmon from the Miramichi River in Canada. <i>ICES Journal of Marine Science</i> , 2017, 74, 1356-1370.	2.5	42
29	Joint modelling of multi-scale animal movement data using hierarchical hidden Markov models. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1536-1550.	5.2	42
30	Ocean predation and mortality of adult Atlantic salmon. <i>Scientific Reports</i> , 2019, 9, 7890.	3.3	41
31	Preventing overexploitation of migratory fish stocks: the efficacy of marine protected areas in a stochastic environment. <i>ICES Journal of Marine Science</i> , 2009, 66, 1919-1930.	2.5	39
32	Climate change and squid range expansion in the North Sea. <i>Journal of Biogeography</i> , 2016, 43, 2285-2298.	3.0	39
33	Diving behaviour of jellyfish equipped with electronic tags. <i>Journal of Plankton Research</i> , 2007, 30, 325-331.	1.8	36
34	Vertical movements of North Sea cod. <i>Marine Ecology - Progress Series</i> , 2007, 347, 101-110.	1.9	36
35	Life under pressure: insights from electronic data-storage tags into cod swimbladder function. <i>ICES Journal of Marine Science</i> , 2007, 64, 1293-1301.	2.5	35
36	Analysing migrations of Atlantic cod <i>Gadus morhua</i> in the north-east Atlantic Ocean: then, now and the future. <i>Journal of Fish Biology</i> , 2013, 82, 741-763.	1.6	35

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37	Correlates of territory size in the butterflyfish <i>Chaetodon austriacus</i> (Rappell). <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 226, 183-193.	1.5	32
38	Migration of saithe (<i>Pollachius virens</i>) in the Northeast Atlantic. <i>ICES Journal of Marine Science</i> , 2013, 70, 782-792.	2.5	32
39	Redefining the oceanic distribution of Atlantic salmon. <i>Scientific Reports</i> , 2021, 11, 12266.	3.3	31
40	Return migration patterns of porbeagle shark (<i>Lamna nasus</i>) in the Northeast Atlantic: implications for stock range and structure. <i>ICES Journal of Marine Science</i> , 2017, 74, 1268-1276.	2.5	30
41	Practical implementation of ecosystem monitoring for the ecosystem approach to management. <i>Journal of Applied Ecology</i> , 2016, 53, 1236-1247.	4.0	29
42	Temperate Marine Protected Areas and highly mobile fish: A review. <i>Ocean and Coastal Management</i> , 2015, 105, 75-83.	4.4	28
43	Application of GIS to investigate the use of space in coral reef fish: a comparison of territorial behaviour in two Red Sea butterflyfishes. <i>International Journal of Geographical Information Science</i> , 2006, 20, 215-232.	4.8	27
44	Recording the free-living behaviour of small-bodied, shallow-diving animals with data loggers. <i>Journal of Animal Ecology</i> , 2007, 76, 183-190.	2.8	27
45	Diving behaviour of Atlantic salmon at sea: effects of light regimes and temperature stratification. <i>Marine Ecology - Progress Series</i> , 2017, 574, 127-140.	1.9	27
46	Fisheries, low oxygen and climate change: how much do we really know?. <i>Journal of Fish Biology</i> , 2017, 90, 723-750.	1.6	26
47	A field and experimental evaluation of the effect of data storage tags on the growth of cod. <i>Journal of Fish Biology</i> , 2006, 68, 385-400.	1.6	23
48	Structure in a sea of sand: fish abundance in relation to man-made structures in the North Sea. <i>ICES Journal of Marine Science</i> , 2020, 77, 1206-1218.	2.5	22
49	Testing a model to track fish migrations in polar regions using pop-up satellite archival tags. <i>Fisheries Oceanography</i> , 2013, 22, 1-13.	1.7	21
50	The importance of <i>Anguillids</i> : a cultural and historical perspective introducing papers from the <i>World Fisheries Congress</i> . <i>Ecology of Freshwater Fish</i> , 2014, 23, 2-6.	1.4	20
51	Progress in designing and delivering effective fishing industry "science data collection in the UK". <i>Fish and Fisheries</i> , 2018, 19, 622-642.	5.3	20
52	Link between vertical and horizontal movement patterns of cod in the North Sea. <i>Aquatic Biology</i> , 2009, 5, 133-142.	1.4	20
53	Temperature and depth preferences of adult sea trout <i>Salmo trutta</i> during the marine migration phase. <i>Marine Ecology - Progress Series</i> , 2018, 599, 209-224.	1.9	20
54	Biogeography, Community Structure and Diversity of Red Sea and Western Indian Ocean Butterflyfishes. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1996, 76, 223-228.	0.8	19

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55	Reconstructing the movements of free-ranging demersal fish in the North Sea: a data-matching and simulation method. <i>Marine Biology</i> , 2008, 153, 507-521.	1.5	18
56	Use of data storage tags to quantify vertical movements of cod: effects on acoustic measures. <i>ICES Journal of Marine Science</i> , 2004, 61, 1062-1070.	2.5	17
57	Life on the edge: O2 binding in Atlantic cod red blood cells near their southern distribution limit is not sensitive to temperature or haemoglobin genotype. <i>Journal of Experimental Biology</i> , 2017, 220, 414-424.	1.7	17
58	Dive performance in a small-bodied, semi-aquatic mammal in the wild. <i>Journal of Mammalogy</i> , 2012, 93, 198-210.	1.3	16
59	Body condition of predatory fishes linked to the availability of sandeels. <i>Marine Biology</i> , 2013, 160, 299-308.	1.5	16
60	Using acoustics to investigate changes in efficiency of a sandeel dredge. <i>Fisheries Research</i> , 2005, 71, 357-363.	1.7	14
61	Migration and Habitat Choice in Marine Fishes. , 2008, , 187-233.		12
62	Title is missing!. <i>Hydrobiologia</i> , 2002, 483, 193-200.	2.0	11
63	Diving activity of migrating silver eel with and without <i>Anguillicola crassus</i> infection. <i>Journal of Applied Ichthyology</i> , 2018, 34, 659-668.	0.7	10
64	Scaling marine fish movement behavior from individuals to populations. <i>Ecology and Evolution</i> , 2018, 8, 7031-7043.	1.9	10
65	Fidelity of yellowfin tuna to seamount and island foraging grounds in the central South Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 172, 103513.	1.4	10
66	Defining 'natal homing' in marine fish populations; need for inference in fishery science: reply to Bradbury & Laurel (2007). <i>Marine Ecology - Progress Series</i> , 2007, 349, 309-310.	1.9	9
67	Prey Selection, Vertical Migrations and the Impacts of Harvesting Upon the Population Dynamics of a Predator-Prey System. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 1827-1846.	1.9	8
68	Predation on migrating eels (<i>Anguilla anguilla</i> L.) from the Western Mediterranean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 544, 151613.	1.5	8
69	Behaviour of adult sea trout <i>Salmo trutta</i> that survive or die at sea. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 227, 106310.	2.1	7
70	Assessment of the quality of European silver eels and tentative approach to trace the origin of contaminants – A European overview. <i>Science of the Total Environment</i> , 2020, 743, 140675.	8.0	7
71	Yellowfin Tuna Behavioural Ecology and Catchability in the South Atlantic: The Right Place at the Right Time (and Depth). <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	7
72	Mapping silver eel migration routes in the North Sea. <i>Scientific Reports</i> , 2022, 12, 318.	3.3	7

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73	Assessment of the diets of cod <i>Gadus morhua</i> and whiting <i>Merlangius merlangus</i> juveniles in a frontal region close to the Norwegian Trench: coexistence or competition?. <i>Journal of Fish Biology</i> , 2008, 73, 1612-1634.	1.6	6
74	Horizontal and vertical movements of starry smooth-hound <i>Mustelus asterias</i> in the northeast Atlantic. <i>PLoS ONE</i> , 2020, 15, e0239480.	2.5	5
75	New Technologies for the Advancement of Fisheries Science. , 0, , 255-279.		4
76	First tracking of the oceanic spawning migrations of Australasian short-finned eels (<i>Anguilla</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 622 T	3.3	4
77	Scanning for ^{PIT} tagged flatfish in a coastal area using a sledge equipped with an RFID antenna. <i>Journal of Fish Biology</i> , 2014, 85, 523-529.	1.6	3
78	Evidence of increased occurrence of Atlantic bluefin tuna in territorial waters of the United Kingdom and Ireland. <i>ICES Journal of Marine Science</i> , 2021, 78, 1672-1683.	2.5	3
79	Multi-torsking: simultaneous measurements of cod behaviour show differences between North Sea and Irish Sea stocks. , 2002, , 193-200.		3
80	Modelling the effect of resource renewal on the social dynamics of butterflyfishes. <i>Marine and Freshwater Behaviour and Physiology</i> , 1998, 31, 215-229.	0.9	2
81	Extreme Swimming: The Oceanic Migrations of Anguillids. , 2013, , 19-44.		2
82	Cod in hot water: observations of behaviour in relation to temperature. <i>Journal of Fish Biology</i> , 2003, 63, 257-258.	1.6	1
83	Territorial and foraging behaviour of two corallivorous butterflyfishes. <i>Journal of Fish Biology</i> , 2003, 63, 239-240.	1.6	0
84	EU eeliad: anguillid eels: conserving a global fishery. <i>Ecology of Freshwater Fish</i> , 2014, 23, 1-1.	1.4	0