

Douglas C Speirs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4486607/publications.pdf>

Version: 2024-02-01

52
papers

1,895
citations

257101

24
h-index

264894

42
g-index

54
all docs

54
docs citations

54
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	Can a key boreal <i>Calanus</i> copepod species now complete its life-cycle in the Arctic? Evidence and implications for Arctic food-webs. <i>Ambio</i> , 2022, 51, 333-344.	2.8	30
2	S<scpt>trath</scpt>E2E2: An <scpr>r</scpr> package for modelling the dynamics of marine food webs and fisheries. <i>Methods in Ecology and Evolution</i> , 2021, 12, 280-287.	2.2	8
3	Ecosystem approach to harvesting in the Arctic: Walking the tightrope between exploitation and conservation in the Barents Sea. <i>Ambio</i> , 2021, , 1.	2.8	8
4	Subtle Differences in the Representation of Consumer Dynamics Have Large Effects in Marine Food Web Models. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1
5	Modelling seabed sediment physical properties and organic matter content in the Firth of Clyde. <i>Earth System Science Data</i> , 2021, 13, 5847-5866.	3.7	3
6	The effect of viral plasticity on the persistence of host-virus systems. <i>Journal of Theoretical Biology</i> , 2020, 498, 110263.	0.8	13
7	Timing of Sandeel Spawning and Hatching Off the East Coast of Scotland. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	0
8	Population density and temperature correlate with long-term trends in somatic growth rates and maturation schedules of herring and sprat. <i>PLoS ONE</i> , 2019, 14, e0212176.	1.1	16
9	Trends in Sandeel Growth and Abundance off the East Coast of Scotland. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	6
10	Energyscapes and prey fields shape a North Atlantic seabird wintering hotspot under climate change. <i>Royal Society Open Science</i> , 2018, 5, 171883.	1.1	31
11	Exploring the Influence of Food and Temperature on North Sea Sandeels Using a New Dynamic Energy Budget Model. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	10
12	A general framework for combining ecosystem models. <i>Fish and Fisheries</i> , 2018, 19, 1031-1042.	2.7	66
13	A synthetic map of the north-west European Shelf sedimentary environment for applications in marine science. <i>Earth System Science Data</i> , 2018, 10, 109-130.	3.7	56
14	Spatial Modeling of <i>Calanus finmarchicus</i> and <i>Calanus helgolandicus</i> : Parameter Differences Explain Differences in Biogeography. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	12
15	Projected impacts of 21st century climate change on diapause in <i>Calanus finmarchicus</i> . <i>Global Change Biology</i> , 2016, 22, 3332-3340.	4.2	26
16	Early evidence of the impact of preindustrial fishing on fish stocks from the mid-west and southeast coastal fisheries of Scotland in the 19th century. <i>ICES Journal of Marine Science</i> , 2016, 73, 1404-1414.	1.2	5
17	Investigating trends in the growth of five demersal fish species from the Firth of Clyde and the wider western shelf of Scotland. <i>Fisheries Research</i> , 2016, 177, 71-81.	0.9	11
18	Modelling sea level surges in the Firth of Clyde, a fjordic embayment in south-west Scotland. <i>Natural Hazards</i> , 2016, 84, 1601-1623.	1.6	14

#	ARTICLE	IF	CITATIONS
19	Modelling the effects of fishing on the North Sea fish community size composition. <i>Ecological Modelling</i> , 2016, 321, 35-45.	1.2	10
20	On the surprising lack of differences between two congeneric calanoid copepod species, <i>Calanus finmarchicus</i> and <i>C. helgolandicus</i> . <i>Progress in Oceanography</i> , 2015, 134, 413-431.	1.5	28
21	Fishery-induced changes to age and length dependent maturation schedules of three demersal fish species in the Firth of Clyde. <i>Fisheries Research</i> , 2015, 170, 14-23.	0.9	52
22	Making modelling count - increasing the contribution of shelf-seas community and ecosystem models to policy development and management. <i>Marine Policy</i> , 2015, 61, 291-302.	1.5	81
23	European sea bass, <i>Dicentrarchus labrax</i> , in a changing ocean. <i>Biogeosciences</i> , 2014, 11, 2519-2530.	1.3	39
24	Understanding patterns and processes in models of trophic cascades. <i>Ecology Letters</i> , 2014, 17, 101-114.	3.0	123
25	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.	1.2	45
26	Global sensitivity analysis of an end-to-end marine ecosystem model of the North Sea: Factors affecting the biomass of fish and benthos. <i>Ecological Modelling</i> , 2014, 273, 251-263.	1.2	46
27	Comparative ecology of widely distributed pelagic fish species in the North Atlantic: Implications for modelling climate and fisheries impacts. <i>Progress in Oceanography</i> , 2014, 129, 219-243.	1.5	97
28	Cascading ecological effects of eliminating fishery discards. <i>Nature Communications</i> , 2014, 5, 3893.	5.8	70
29	Solid evidence or fluid ideas on the importance lipid phase transitions to diapausing copepods. <i>Journal of Plankton Research</i> , 2013, 35, 438-440.	0.8	4
30	Changes in species diversity and size composition in the Firth of Clyde demersal fish community (1927-2009). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 543-552.	1.2	32
31	Sea-Age Variation in Maiden Atlantic Salmon Spawners: Phenotypic Plasticity or Genetic Polymorphism?. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 615-640.	0.9	9
32	Smooth age length keys: Observations and implications for data collection on North Sea haddock. <i>Fisheries Research</i> , 2010, 105, 2-12.	0.9	16
33	A length-structured partial ecosystem model for cod in the North Sea. <i>Fisheries Research</i> , 2010, 106, 474-494.	0.9	38
34	Spatial demography of <i>Calanus finmarchicus</i> in the Irminger Sea. <i>Progress in Oceanography</i> , 2008, 76, 39-88.	1.5	47
35	Naupliar development times and survival of the copepods <i>Calanus helgolandicus</i> and <i>Calanus finmarchicus</i> in relation to food and temperature. <i>Journal of Plankton Research</i> , 2007, 29, 757-767.	0.8	60
36	Calibrating remotely sensed chlorophyll-a data by using penalized regression splines. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2006, 55, 331-353.	0.5	14

#	ARTICLE	IF	CITATIONS
37	Ocean-scale modelling of the distribution, abundance, and seasonal dynamics of the copepod <i>Calanus finmarchicus</i> . <i>Marine Ecology - Progress Series</i> , 2006, 313, 173-192.	0.9	92
38	Modelling the basin-scale demography of <i>Calanus finmarchicus</i> in the north-east Atlantic. <i>Fisheries Oceanography</i> , 2005, 14, 333-358.	0.9	46
39	Comparative ecology of over-wintering <i>Calanus finmarchicus</i> in the northern North Atlantic, and implications for life-cycle patterns. <i>ICES Journal of Marine Science</i> , 2004, 61, 698-708.	1.2	108
40	Understanding demography in an advective environment: modelling <i>Calanus finmarchicus</i> in the Norwegian Sea. <i>Journal of Animal Ecology</i> , 2004, 73, 897-910.	1.3	19
41	Why do shallow-water predators migrate?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 280, 13-31.	0.7	12
42	Seasonal patterns of growth, expenditure and assimilation in juvenile Atlantic salmon. <i>Journal of Animal Ecology</i> , 2002, 71, 916-924.	1.3	59
43	POPULATION PERSISTENCE IN RIVERS AND ESTUARIES. <i>Ecology</i> , 2001, 82, 1219-1237.	1.5	266
44	Simulating spatially and physiologically structured populations. <i>Journal of Animal Ecology</i> , 2001, 70, 881-894.	1.3	27
45	POPULATION PERSISTENCE IN RIVERS AND ESTUARIES. , 2001, 82, 1219.		10
46	Long-term demographic balance in the Broadstone stream insect community. <i>Journal of Animal Ecology</i> , 2000, 69, 45-58.	1.3	31
47	The swimming behaviour and distribution of <i>Neomysis integer</i> in relation to tidal flow. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 242, 95-106.	0.7	19
48	The Unstable Seasonality of <i>Calanus Finmarchicus</i> in the Fair Isle Current. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1998, 78, 1377-1380.	0.4	10
49	Diet selection by common shrews <i>Sorex araneus</i> in a depleting environment. <i>Behavioural Processes</i> , 1993, 29, 65-84.	0.5	3
50	Parasitoid diets: Does superparasitism pay?. <i>Trends in Ecology and Evolution</i> , 1991, 6, 22-25.	4.2	65
51	How Is Climate Change Affecting Marine Life in the Arctic?. <i>Frontiers for Young Minds</i> , 0, 8, .	0.8	0
52	Synthetic shelf sediment maps for the Greenland Sea and Barents Sea. <i>Geoscience Data Journal</i> , 0, , .	1.8	0