

# Stephen J Hawkins

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

5,082  
citations

101543

36  
h-index

91884

69  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Threats and knowledge gaps for ecosystem services provided by kelp forests: a northeast Atlantic perspective. <i>Ecology and Evolution</i> , 2013, 3, 4016-4038.	1.9	374
2	Effects of ocean sprawl on ecological connectivity: impacts and solutions. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 492, 7-30.	1.5	291
3	Do distributional shifts of northern and southern species of algae match the warming pattern?. <i>Global Change Biology</i> , 2007, 13, 2592-2604.	9.5	287
4	A continental scale evaluation of the role of limpet grazing on rocky shores. <i>Oecologia</i> , 2006, 147, 556-564.	2.0	214
5	MODELING THE RESPONSE OF POPULATIONS OF COMPETING SPECIES TO CLIMATE CHANGE. <i>Ecology</i> , 2008, 89, 3138-3149.	3.2	210
6	Habitat recovery and restoration in aquatic ecosystems: current progress and future challenges. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 942-962.	2.0	203
7	Regional climatic warming drives long-term community changes of British marine fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 655-661.	2.6	196
8	Marine research, resources and conservation in the Azores. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 1995, 5, 311-354.	2.0	184
9	Low-temperature-driven early spawning migration of a temperate marine fish. <i>Journal of Animal Ecology</i> , 2004, 73, 333-341.	2.8	183
10	Ecological impact of coastal defence structures on sediment and mobile fauna: Evaluating and forecasting consequences of unavoidable modifications of native habitats. <i>Coastal Engineering</i> , 2005, 52, 1027-1051.	4.0	180
11	The importance of water-retaining features for biodiversity on artificial intertidal coastal defence structures. <i>Diversity and Distributions</i> , 2013, 19, 1275-1283.	4.1	154
12	Intertidal Rocky Shore Communities of the Continental Portuguese Coast: Analysis of Distribution Patterns. <i>Marine Ecology</i> , 2002, 23, 69-90.	1.1	134
13	Recent changes in the distribution of a marine gastropod, <i>Patella rustica</i> Linnaeus, 1758, and their relationship to unusual climatic events. <i>Journal of Biogeography</i> , 2006, 33, 812-822.	3.0	119
14	Evaluating the relative conservation value of fully and partially protected marine areas. <i>Fish and Fisheries</i> , 2015, 16, 58-77.	5.3	118
15	Patchiness and fluctuations on moderately exposed rocky shores. <i>Ophelia</i> , 1985, 24, 53-63.	0.3	113
16	Drill-cored rock pools: an effective method of ecological enhancement on artificial structures. <i>Marine and Freshwater Research</i> , 2016, 67, 123.	1.3	108
17	The area-independent effects of habitat complexity on biodiversity vary between regions. <i>Ecology Letters</i> , 2003, 6, 126-132.	6.4	105
18	Enhancing stocks of the exploited limpet <i>Patella candei</i> d'Orbigny via modifications in coastal engineering. <i>Biological Conservation</i> , 2010, 143, 203-211.	4.1	101

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19	Biodiversity in intertidal rock pools: Informing engineering criteria for artificial habitat enhancement in the built environment. <i>Marine Environmental Research</i> , 2014, 102, 122-130.	2.5	86
20	Eco-engineered rock pools: a concrete solution to biodiversity loss and urban sprawl in the marine environment. <i>Environmental Research Letters</i> , 2016, 11, 094015.	5.2	81
21	Design catalogue for eco-engineering of coastal artificial structures: a multifunctional approach for stakeholders and end-users. <i>Urban Ecosystems</i> , 2020, 23, 431-443.	2.4	75
22	Size matters: competition within populations of the limpet <i>Patella depressa</i> . <i>Journal of Animal Ecology</i> , 2003, 72, 435-446.	2.8	67
23	Stakeholder priorities for multi-functional coastal defence developments and steps to effective implementation. <i>Marine Policy</i> , 2017, 75, 143-155.	3.2	67
24	Historical comparisons reveal multiple drivers of decadal change of an ecosystem engineer at the range edge. <i>Ecology and Evolution</i> , 2015, 5, 3210-3222.	1.9	66
25	Foraging of rocky habitat cichlid fishes in Lake Malawi: coexistence through niche partitioning?. <i>Oecologia</i> , 1999, 121, 283-292.	2.0	63
26	Greening of grey infrastructure should not be used as a Trojan horse to facilitate coastal development. <i>Journal of Applied Ecology</i> , 2020, 57, 1762-1768.	4.0	61
27	Resource control by territorial male cichlid fish in Lake Malawi. <i>Journal of Animal Ecology</i> , 1999, 68, 522-529.	2.8	59
28	From ocean sprawl to blue-green infrastructure – A UK perspective on an issue of global significance. <i>Environmental Science and Policy</i> , 2019, 91, 60-69.	4.9	59
29	Measuring surface complexity in ecological studies. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 203-210.	2.0	58
30	Climate change and adaptational impacts in coastal systems: the case of sea defences. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1665.	3.5	58
31	Facing the future: the importance of substratum features for ecological engineering of artificial habitats in the rocky intertidal. <i>Marine and Freshwater Research</i> , 2016, 67, 131.	1.3	57
32	A global analysis of complexity–biodiversity relationships on marine artificial structures. <i>Global Ecology and Biogeography</i> , 2021, 30, 140-153.	5.8	56
33	The effects of grazing on the distribution and composition of low-shore algal communities on the central coast of Portugal and on the southern coast of Britain. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 267, 185-206.	1.5	54
34	Population consequences of mutual attraction between settling and adult barnacles. <i>Journal of Animal Ecology</i> , 2003, 72, 941-952.	2.8	53
35	Modelling past and present geographical distribution of the marine gastropod <i>Patella rustica</i> as a tool for exploring responses to environmental change. <i>Global Change Biology</i> , 2007, 13, 2065-2077.	9.5	48
36	Physiological response of furoid algae to environmental stress: comparing range centre and southern populations. <i>New Phytologist</i> , 2014, 202, 1157-1172.	7.3	46

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37	Interactions between canopy forming algae in the eulittoral zone of sheltered rocky shores on the Isle of Man. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1999, 79, 341-349.	0.8	35
38	Exploitation of intertidal grazers as a driver of community divergence. <i>Journal of Applied Ecology</i> , 2010, 47, 1282-1289.	4.0	35
39	Genetic markers in marine fisheries: Types, tasks and trends. <i>Fisheries Research</i> , 2016, 173, 194-205.	1.7	35
40	Models of open populations with space-limited recruitment: extension of theory and application to the barnacle <i>Chthamalus montagui</i> . <i>Journal of Animal Ecology</i> , 2001, 70, 853-863.	2.8	33
41	Global-scale species distributions predict temperature-related changes in species composition of rocky shore communities in Britain. <i>Global Change Biology</i> , 2020, 26, 2093-2105.	9.5	31
42	Global warming and artificial shorelines reshape seashore biogeography. <i>Global Ecology and Biogeography</i> , 2020, 29, 220-231.	5.8	30
43	Reproductive cycles of four species of <i>Patella</i> (Mollusca: Gastropoda) on the northern and central Portuguese coast. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2009, 89, 1215-1221.	0.8	29
44	Marine conservation in a rapidly changing world. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2012, 22, 281-287.	2.0	27
45	Tolerance to heavy metals in <i>Littorina saxatilis</i> from a metal contaminated estuary in the Isle of Man. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2004, 84, 393-400.	0.8	26
46	Long-term modifications of coastal defences enhance marine biodiversity. <i>Environmental Conservation</i> , 2016, 43, 109-116.	1.3	26
47	Reproductive Cycle of <i>Pollicipes Pollicipes</i> at Cabo De Sines, South-West Coast of Portugal. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1998, 78, 483-496.	0.8	24
48	Interactive Effects of Copper, Cadmium and Lead on Zinc Accumulation in the Gastropod Mollusc <i>Littorina Saxatilis</i> . <i>Water, Air, and Soil Pollution</i> , 2006, 171, 19-28.	2.4	24
49	Exploitation promotes earlier sex change in a protandrous patellid limpet, <i>Patella aspera</i> Röding, 1798. <i>Ecology and Evolution</i> , 2017, 7, 3616-3622.	1.9	24
50	Plymouth – A World Harbour through the ages. <i>Regional Studies in Marine Science</i> , 2016, 8, 297-307.	0.7	22
51	Rocky shores as tractable test systems for experimental ecology. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2020, 100, 1017-1041.	0.8	22
52	Rare predation by the intertidal crab <i>Pachygrapsus marmoratus</i> on the limpet <i>Patella depressa</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2004, 84, 367-370.	0.8	18
53	Disturbance alters ecosystem engineering by a canopy-forming alga. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 687-698.	0.8	18
54	The Intertidal Zone of the North-East Atlantic Region. , 2019, , 7-46.		18

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55	Region-wide changes in marine ecosystem dynamics: state-space models to distinguish trends from step changes. <i>Global Change Biology</i> , 2012, 18, 1270-1281.	9.5	16
56	The influence of simulated exploitation on <i>Patella vulgata</i> populations: protandric sex change is size-dependent. <i>Ecology and Evolution</i> , 2016, 6, 514-531.	1.9	16
57	Specific niche requirements underpin multidecadal range edge stability, but may introduce barriers for climate change adaptation. <i>Diversity and Distributions</i> , 2021, 27, 668-683.	4.1	15
58	Impacts of Pervasive Climate Change and Extreme Events on Rocky Intertidal Communities: Evidence From Long-Term Data. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
59	Extirpation-resistant species do not always compensate for the decline in ecosystem processes associated with biodiversity loss. <i>Journal of Ecology</i> , 2012, 100, 1475-1481.	4.0	11
60	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. <i>Journal of Integrative Environmental Sciences</i> , 0, , 1-26.	2.5	11
61	Contrasting genetic structure of sympatric congeneric gastropods: Do differences in habitat preference, abundance and distribution matter?. <i>Journal of Biogeography</i> , 2019, 46, 369-380.	3.0	11
62	A multiplex microsatellite tool for conservation genetics of the endemic limpet <i>Patella candei</i> in the Macaronesian archipelagos. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 775-781.	2.0	9
63	Identifying niche and fitness dissimilarities in invaded marine macroalgal canopies within the context of contemporary coexistence theory. <i>Scientific Reports</i> , 2019, 9, 8816.	3.3	9
64	Ecosystems: The Rocky Road to Regime-Shift Indicators. <i>Current Biology</i> , 2015, 25, R666-R669.	3.9	7
65	Isolation of highly polymorphic microsatellite markers from the intertidal barnacle <i>Chthamalus montagui</i> Southward. <i>Molecular Ecology Notes</i> , 2005, 5, 641-643.	1.7	6
66	Patterns of reproductive traits of fucoid species in core and marginal populations. <i>European Journal of Phycology</i> , 2015, 50, 457-468.	2.0	6
67	Removal treatments alter the recruitment dynamics of a global marine invader - Implications for management feasibility. <i>Marine Environmental Research</i> , 2018, 140, 322-331.	2.5	6
68	Occurrence and assemblage composition of intertidal non-native species may be influenced by shipping patterns and artificial structures. <i>Marine Pollution Bulletin</i> , 2020, 154, 111082.	5.0	6
69	On the diversity and distribution of a data deficient habitat in a poorly mapped region: The case of <i>Sabellaria alveolata</i> L. in Ireland. <i>Marine Environmental Research</i> , 2021, 169, 105344.	2.5	6
70	FROM THE TORREY CANYON TO TODAY: A 50 YEAR RETROSPECTIVE OF RECOVERY FROM THE OIL SPILL AND INTERACTION WITH CLIMATE-DRIVEN FLUCTUATIONS ON CORNISH ROCKY SHORES. <i>International Oil Spill Conference Proceedings</i> , 2017, 2017, 74-103.	0.1	6
71	Barnacle cover modifies foraging behaviour of the intertidal limpet <i>Patella vulgata</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1779-1786.	0.8	5
72	Spatially Variable Effects of Artificially-Created Physical Complexity on Subtidal Benthos. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5

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73	Editorial: Ecological processes are not bound by borders: Implications for marine conservation in a post-Brexit world. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 904-908.	2.0	3
74	Evolutionary ecology of species ranges in aquatic environments. <i>Biology Letters</i> , 2016, 12, 20160415.	2.3	2
75	A comparison of epiphytic nematode diversity and assemblages in <i>Corallina</i> turves on British and South Korean coasts across hierarchical spatial scales. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1481-1493.	0.8	2
76	A long-term ecological monitoring of subtidal macrozoobenthos around Dokdo waters, East Sea, Korea. <i>Marine Pollution Bulletin</i> , 2020, 156, 111226.	5.0	2
77	Structures spread across our seas. <i>Nature Sustainability</i> , 2021, 4, 7-8.	23.7	2
78	First observations of hermaphroditism in the patellid limpet <i>Patella piperata</i> Gould, 1846. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1615-1620.	0.8	0
79	Shell growth and age determined from annual lines in the southern warm-water limpet <i>Patella depressa</i> at its poleward geographic boundaries. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2021, 101, 707-716.	0.8	0