Deirdre Brophy

List of Publications by Year
in descending order

61	1,149	394390 19	414395 32
papers	citations	h-index	g-index

62	62	62	1302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elevated manganese concentrations at the cores of clupeid otoliths: possible environmental, physiological, or structural origins. Marine Biology, 2004, 144, 779-786.	1.5	136
2	A comparison of otolith microchemistry and otolith shape analysis for the study of spatial variation in a deep-sea teleost, Coryphaenoides rupestris. Environmental Biology of Fishes, 2010, 89, 591-605.	1.0	64
3	Otolith shape analysis: its application for discriminating between stocks of Irish Sea and Celtic Sea herring (Clupea harengus) in the Irish Sea. ICES Journal of Marine Science, 2008, 65, 1670-1675.	2.5	60
4	Use of saggital otolith shape analysis to discriminate Northeast Atlantic and Western Mediterranean stocks of Atlantic saury, Scomberesox saurus saurus (Walbaum). Fisheries Research, 2011, 110, 465-471.	1.7	60
5	Tracing populations of Atlantic herring (Clupea harengus L.) in the Irish and Celtic Seas using otolith microstructure. ICES Journal of Marine Science, 2002, 59, 1305-1313.	2.5	51
6	Shape analysis of otolith annuli in Atlantic herring (Clupea harengus); a new method for tracking fish populations. Fisheries Research, 2008, 91, 133-143.	1.7	51
7	Spawning season fidelity in sympatric populations of Atlantic herring (Clupea harengus). Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 607-616.	1.4	44
8	Can bottom trawling indirectly diminish carrying capacity in a marine ecosystem?. Marine Biology, 2010, 157, 2375-2381.	1.5	43
9	The detection of elements in larval otoliths from Atlantic herring using laser ablation ICP-MS. Journal of Fish Biology, 2003, 63, 990-1007.	1.6	37
10	Otolith shape analysis of blue whiting suggests a complex stock structure at their spawning grounds in the Northeast Atlantic. Fisheries Research, 2014, 157, 1-6.	1.7	36
11	Trace element fingerprinting of blue mussel (Mytilus edulis) shells and soft tissues successfully reveals harvesting locations. Science of the Total Environment, 2019, 685, 50-58.	8.0	32
12	Microsatellite analysis of albacore tuna (Thunnus alalunga): population genetic structure in the North-East Atlantic Ocean and Mediterranean Sea. Marine Biology, 2011, 158, 2727-2740.	1.5	29
13	An experimental investigation of salinity effects on growth, development and condition in the European flounder (Platichthys flesus. L.). Journal of Experimental Marine Biology and Ecology, 2011, 410, 39-44.	1.5	28
14	Modelling abundance hotspots for data-poor Irish Sea rays. Ecological Modelling, 2015, 312, 77-90.	2.5	26
15	Gbm.auto: A software tool to simplify spatial modelling and Marine Protected Area planning. PLoS ONE, 2017, 12, e0188955.	2.5	26
16	The rise and fall of autumn-spawning herring (Clupea harengus L.) in the Celtic Sea between 1959 and 2009: Temporal trends in spawning component diversity. Fisheries Research, 2012, 121-122, 31-42.	1.7	23
17	Habitat characteristics promoting high density and condition of juvenile flatfish at nursery grounds on the west coast of Ireland. Journal of Sea Research, 2012, 73, 7-17.	1.6	22
18	The influence of pre-recruitment growth on subsequent growth and age at first spawning in Atlantic herring (Clupea harengus L.). ICES Journal of Marine Science, 2003, 60, 1103-1113.	2.5	21

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19	Combining genetic markers with stable isotopes in otoliths reveals complexity in the stock structure of Atlantic bluefin tuna (Thunnus thynnus). Scientific Reports, 2020, 10, 14675.	3.3	21
20	Spatial variability in diet, condition and growth of juvenile plaice (Pleuronectes platessa) at sandy beach nursery grounds on the south-west coast of Ireland. Journal of the Marine Biological Association of the United Kingdom, 2011, 91, 1215-1223.	0.8	20
21	Dependence of RNA:DNA ratios and Fultonâ€™s K condition indices on environmental characteristics of plaice and dab nursery grounds. Estuarine, Coastal and Shelf Science, 2012, 98, 60-70.	2.1	20
22	Otolith shape variation provides a marker of stock origin for north Atlantic bluefin tuna (Thunnus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	19
23	Trace elements in the otoliths and dorsal spines of albacore tuna (Thunnus alalunga, Bonnaterre,) Tj ETQq1 1 0.784314 rgBT /Overloc contamination. Journal of Experimental Marine Biology and Ecology, 2011, 396, 162-170.	1.5	18
24	Scavenging on trawled seabeds can modify trophic size structure of bottom-dwelling fish. ICES Journal of Marine Science, 2014, 71, 398-405.	2.5	18
25	Synchronous reproduction may facilitate introgression in a hybrid mussel (Mytilus) population. Journal of Experimental Marine Biology and Ecology, 2009, 378, 1-7.	1.5	17
26	Larval otolith growth histories show evidence of stock structure in Northeast Atlantic blue whiting (Micromesistius poutassou). ICES Journal of Marine Science, 2007, 64, 1136-1144.	2.5	15
27	Otolith shape analysis as a tool for stock separation of albacore tuna feeding in the Northeast Atlantic. Fisheries Research, 2018, 200, 68-74.	1.7	15
28	Temperature effect on growth and larval duration of plaice Pleuronectes platessa in three regions of the Northeast Atlantic. Marine Ecology - Progress Series, 2013, 476, 215-226.	1.9	14
29	Experimental investigation of the effects of temperature and feeding regime on scale growth in Atlantic salmon <scp>Salmo salar</scp> postâ€smolts. Journal of Fish Biology, 2019, 94, 896-908.	1.6	14
30	Long-term trends in herring growth primarily linked to temperature by gradient boosting regression trees. Ecological Informatics, 2020, 60, 101154.	5.2	14
31	Annual and spatial variation in the abundance length and condition of juvenile turbot (Psetta maxima) Tj ETQq1 1 0.784314 rgBT /Ov 494-504.	1.6	11
32	Temporal trends in stock origin and abundance of juvenile herring (Clupea harengus) in the Irish Sea. ICES Journal of Marine Science, 2009, 66, 1749-1753.	2.5	9
33	Macrobenthic prey availability and the potential for food competition between 0 year group Pleuronectes platessa and Limanda limanda. Journal of Fish Biology, 2011, 79, 1918-1939.	1.6	9
34	The role of wind-forcing in the distribution of larval fish in Galway Bay, Ireland. Journal of the Marine Biological Association of the United Kingdom, 2013, 93, 471-478.	0.8	9
35	Biophysical models reveal the role of tides, wind, and larval behaviour in early transport and retention of Atlantic herring (Clupea harengus) in the Celtic Sea. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 90-107.	1.4	9
36	The feeding ecology of 0 year-group turbot Scophthalmus maximus and brill Scophthalmus rhombus on Irish west coast nursery grounds. Journal of Fish Biology, 2011, 79, 1866-1882.	1.6	8

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37	Variability in the early life stages of juvenile plaice (Pleuronectes platessa) on west of Ireland nursery grounds: 2000â€“2007. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 395-406.	0.8	8
38	Moving reference point goalposts and implications for fisheries sustainability. Fish and Fisheries, 2021, 22, 1345-1358.	5.3	7
39	HATCHING TIMES, LARVAL DURATION, SETTLEMENT AND LARVAL GROWTH OF PLAICE (<i>PLEURONECTES PLATESSA</i> (L.)) IN GALWAY BAY DETERMINED USING OTOLITH MICROSTRUCTURE. Biology and Environment, 2008, 108, 127-134.	0.3	7
40	The early life history of turbot (Psetta maxima L.) on nursery grounds along the west coast of Ireland: 2007â€“2009, as described by otolith microstructure. Fisheries Research, 2011, 110, 478-482.	1.7	6
41	Influence of the limit of detection on classification using otolith elemental signatures. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 922-929.	1.4	6
42	Analysis of Growth Marks in Calcified Structures. , 2014, , 141-170.		6
43	An open-source database model and collections management system for fish scale and otolith archives. Ecological Informatics, 2020, 59, 101115.	5.2	6
44	Growth rates in a European eel Anguilla anguilla (L., 1758) population show a complex relationship with temperature over a seven-decade otolith biochronology. ICES Journal of Marine Science, 2021, 78, 994-1009.	2.5	6
45	Interannual variability of gelatinous mesozooplankton in a temperate shelf sea: greater abundance coincides with cooler sea surface temperatures. ICES Journal of Marine Science, 2021, 78, 1372-1385.	2.5	6
46	Towards a flexible Decision Support Tool for MSY-based Marine Protected Area design for skates and rays. ICES Journal of Marine Science, 2017, 74, 576-587.	2.5	5
47	Estimating growth parameters and growth variability from length frequency data using hierarchical mixture models. ICES Journal of Marine Science, 2019, 76, 2150-2163.	2.5	5
48	A simulated archival tagging programme for albacore (Thunnus alalunga) in the Northeast Atlantic, including an analysis of factors affecting tag recovery. ICES Journal of Marine Science, 2010, 67, 1216-1221.	2.5	4
49	Growth and age of Atlantic saury, Scomberesox saurus saurus (Walbaum), in the northeastern Atlantic Ocean. Fisheries Research, 2012, 131-133, 60-66.	1.7	4
50	Advanced Spatial Modeling to Inform Management of Data-Poor Juvenile and Adult Female Rays. Fishes, 2017, 2, 12.	1.7	4
51	FIN-RAY COUNT VARIATION IN 0-GROUP FLATFISH: PLAICE (<i>PLEURONECTES PLATESSA</i> (L.)) AND FLOUNDER (<i>PLATICHTHYS FLESUS</i> L.) ON THE WEST COAST OF IRELAND. Biology and Environment, 2008, 108, 61-67.	0.3	4
52	Scales of variability in fin ray counts of flounder <i>Platichthys flesus</i> L. on Irish and Welsh coasts. Biology and Environment, 2012, 112, 185-191.	0.3	4
53	Age verification of north Atlantic sprat. Fisheries Research, 2019, 213, 144-150.	1.7	3
54	Bio-physical model provides insight into dispersal of plaice (Pleuronectes platessa L.) from putative spawning grounds to nursery areas on the west coast of Ireland. Journal of Sea Research, 2015, 99, 61-73.	1.6	2

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55	FIN-RAY COUNT VARIATION IN 0-GROUP FLATFISH: PLAICE (PLEURONECTES PLATESSA (L.)) AND FLOUNDER (PLATICHTHYS FLESUS L.) ON THE WEST COAST OF IRELAND. Biology and Environment, 2008, 108B, 61-67.	0.3	2
56	Variation in fin ray counts of 0-group turbot (Psetta maxima) and brill (Scophthalmus rhombus) on the west coast of Ireland: 2006â€“2009. Marine Biodiversity Records, 2010, 3, .	1.2	1
57	Benthivorous fish may go hungry on trawled seabed. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2240-2240.	2.6	1
58	The timing of early life events and growth rate estimates of ageâ€0â€‰year group brill Scophthalmus rhombus along the west coast of Ireland. Journal of Fish Biology, 2014, 84, 225-230.	1.6	1
59	Acid treatment of Atlantic salmon (Salmo salar) scales prior to analysis has negligible effects on Î´ 13 C and Î´ 15 N isotope ratios. Journal of Fish Biology, 2020, 97, 1285-1290.	1.6	1
60	Elemental composition of illicia and otoliths and their potential application to age validation in white anglerfish (Lophius piscatorius linnaeus, 1758). Estuarine, Coastal and Shelf Science, 2021, 261, 107557.	2.1	1
61	Investigating post-depositional alteration of trace elements in fish scales using tagged and recaptured wild salmon. Fisheries Research, 2022, 248, 106207.	1.7	0