

Deirdre Brophy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

901
citations

18
h-index

28
g-index

62
ext. papers

1,030
ext. citations

2.4
avg, IF

4.27
L-index

#	Paper	IF	Citations
60	Investigating post-depositional alteration of trace elements in fish scales using tagged and recaptured wild salmon. <i>Fisheries Research</i> , 2022 , 248, 106207	2.3	
59	Interannual variability of gelatinous mesozooplankton in a temperate shelf sea: greater abundance coincides with cooler sea surface temperatures. <i>ICES Journal of Marine Science</i> , 2021 , 78, 1372-1385	2.7	1
58	Moving reference point goalposts and implications for fisheries sustainability. <i>Fish and Fisheries</i> , 2021 , 22, 1345	6	0
57	Growth rates in a European eel <i>Anguilla anguilla</i> (L., 1758) population show a complex relationship with temperature over a seven-decade otolith biochronology. <i>ICES Journal of Marine Science</i> , 2021 , 78, 994-1009	2.7	1
56	Elemental composition of illicia and otoliths and their potential application to age validation in white anglerfish (<i>Lophius piscatorius</i> linnaeus, 1758). <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 261, 107557	2.9	0
55	An open-source database model and collections management system for fish scale and otolith archives. <i>Ecological Informatics</i> , 2020 , 59, 101115	4.2	3
54	Long-term trends in herring growth primarily linked to temperature by gradient boosting regression trees. <i>Ecological Informatics</i> , 2020 , 60, 101154	4.2	1
53	Combining genetic markers with stable isotopes in otoliths reveals complexity in the stock structure of Atlantic bluefin tuna (<i>Thunnus thynnus</i>). <i>Scientific Reports</i> , 2020 , 10, 14675	4.9	5
52	Acid treatment of Atlantic salmon (<i>Salmo salar</i>) scales prior to analysis has negligible effects on $\delta^{13}C$ and $\delta^{15}N$ isotope ratios. <i>Journal of Fish Biology</i> , 2020 , 97, 1285-1290	1.9	
51	Biophysical models reveal the role of tides, wind, and larval behaviour in early transport and retention of Atlantic herring (<i>Clupea harengus</i>) in the Celtic Sea. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020 , 77, 90-107	2.4	4
50	Age verification of north Atlantic sprat. <i>Fisheries Research</i> , 2019 , 213, 144-150	2.3	2
49	Trace element fingerprinting of blue mussel (<i>Mytilus edulis</i>) shells and soft tissues successfully reveals harvesting locations. <i>Science of the Total Environment</i> , 2019 , 685, 50-58	10.2	26
48	Experimental investigation of the effects of temperature and feeding regime on scale growth in Atlantic salmon <i>Salmo salar</i> post-smolts. <i>Journal of Fish Biology</i> , 2019 , 94, 896-908	1.9	7
47	Estimating growth parameters and growth variability from length frequency data using hierarchical mixture models. <i>ICES Journal of Marine Science</i> , 2019 , 76, 2150-2163	2.7	3
46	Otolith shape analysis as a tool for stock separation of albacore tuna feeding in the Northeast Atlantic. <i>Fisheries Research</i> , 2018 , 200, 68-74	2.3	9
45	Towards a flexible Decision Support Tool for MSY-based Marine Protected Area design for skates and rays. <i>ICES Journal of Marine Science</i> , 2017 , 74, 576-587	2.7	5
44	Advanced Spatial Modeling to Inform Management of Data-Poor Juvenile and Adult Female Rays. <i>Fishes</i> , 2017 , 2, 12	2.5	4

43	Gbm.auto: A software tool to simplify spatial modelling and Marine Protected Area planning. <i>PLoS ONE</i> , 2017 , 12, e0188955	3.7	13
42	Otolith shape variation provides a marker of stock origin for north Atlantic bluefin tuna (<i>Thunnus thynnus</i>). <i>Marine and Freshwater Research</i> , 2016 , 67, 1023	2.2	12
41	Bio-physical model provides insight into dispersal of plaice (<i>Pleuronectes platessa</i> L.) from putative spawning grounds to nursery areas on the west coast of Ireland. <i>Journal of Sea Research</i> , 2015 , 99, 61-73 ^{1.9}	1.9	2
40	Modelling abundance hotspots for data-poor Irish Sea rays. <i>Ecological Modelling</i> , 2015 , 312, 77-90	3	18
39	Scavenging on trawled seabeds can modify trophic size structure of bottom-dwelling fish. <i>ICES Journal of Marine Science</i> , 2014 , 71, 398-405	2.7	14
38	Otolith shape analysis of blue whiting suggests a complex stock structure at their spawning grounds in the Northeast Atlantic. <i>Fisheries Research</i> , 2014 , 157, 1-6	2.3	27
37	Analysis of Growth Marks in Calcified Structures 2014 , 141-170		4
36	The timing of early life events and growth rate estimates of age-0 year group brill <i>Scophthalmus rhombus</i> along the west coast of Ireland. <i>Journal of Fish Biology</i> , 2014 , 84, 225-30	1.9	1
35	Temperature effect on growth and larval duration of plaice <i>Pleuronectes platessa</i> in three regions of the Northeast Atlantic. <i>Marine Ecology - Progress Series</i> , 2013 , 476, 215-226	2.6	12
34	Influence of the limit of detection on classification using otolith elemental signatures. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013 , 70, 922-929	2.4	4
33	The role of wind-forcing in the distribution of larval fish in Galway Bay, Ireland. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2013 , 93, 471-478	1.1	8
32	Dependence of RNA:DNA ratios and Fulton's K condition indices on environmental characteristics of plaice and dab nursery grounds. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 98, 60-70	2.9	19
31	Variability in the early life stages of juvenile plaice (<i>Pleuronectes platessa</i>) on west of Ireland nursery grounds: 2000-2007. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2012 , 92, 395-406	1.1	8
30	The rise and fall of autumn-spawning herring (<i>Clupea harengus</i> L.) in the Celtic Sea between 1959 and 2009: Temporal trends in spawning component diversity. <i>Fisheries Research</i> , 2012 , 121-122, 31-42	2.3	20
29	Growth and age of Atlantic saury, <i>Scomberesox saurus saurus</i> (Walbaum), in the northeastern Atlantic Ocean. <i>Fisheries Research</i> , 2012 , 131-133, 60-66	2.3	4
28	Habitat characteristics promoting high density and condition of juvenile flatfish at nursery grounds on the west coast of Ireland. <i>Journal of Sea Research</i> , 2012 , 73, 7-17	1.9	19
27	Scales of variability in fin ray counts of flounder <i>Platichthys flesus</i> L. on Irish and Welsh coasts. <i>Biology and Environment</i> , 2012 , 112, 185-191	0.8	2
26	The early life history of turbot (<i>Psetta maxima</i> L.) on nursery grounds along the west coast of Ireland: 2007-2009, as described by otolith microstructure. <i>Fisheries Research</i> , 2011 , 110, 478-482	2.3	5

25	Use of saggital otolith shape analysis to discriminate Northeast Atlantic and Western Mediterranean stocks of Atlantic saury, <i>Scomberesox saurus saurus</i> (Walbaum). <i>Fisheries Research</i> , 2011 , 110, 465-471	2.3	45
24	The feeding ecology of 0 year-group turbot <i>Scophthalmus maximus</i> and brill <i>Scophthalmus rhombus</i> on Irish west coast nursery grounds. <i>Journal of Fish Biology</i> , 2011 , 79, 1866-82	1.9	8
23	Macrobenthic prey availability and the potential for food competition between 0 year group <i>Pleuronectes platessa</i> and <i>Limanda limanda</i> . <i>Journal of Fish Biology</i> , 2011 , 79, 1918-39	1.9	6
22	Trace elements in the otoliths and dorsal spines of albacore tuna (<i>Thunnus alalunga</i> , Bonnaterre, 1788): An assessment of the effectiveness of cleaning procedures at removing postmortem contamination. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 396, 162-170	2.1	16
21	An experimental investigation of salinity effects on growth, development and condition in the European flounder (<i>Platichthys flesus</i> . L.). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 410, 39-44	2.1	23
20	Microsatellite analysis of albacore tuna (<i>Thunnus alalunga</i>): population genetic structure in the North-East Atlantic Ocean and Mediterranean Sea. <i>Marine Biology</i> , 2011 , 158, 2727-2740	2.5	28
19	Retraction. Benthivorous fish may go hungry on trawled seabed. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2240	4.4	1
18	Spatial variability in diet, condition and growth of juvenile plaice (<i>Pleuronectes platessa</i>) at sandy beach nursery grounds on the south-west coast of Ireland. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2011 , 91, 1215-1223	1.1	19
17	A simulated archival tagging programme for albacore (<i>Thunnus alalunga</i>) in the Northeast Atlantic, including an analysis of factors affecting tag recovery. <i>ICES Journal of Marine Science</i> , 2010 , 67, 1216-1227	2.7	3
16	Variation in fin ray counts of 0-group turbot (<i>Psetta maxima</i>) and brill (<i>Scophthalmus rhombus</i>) on the west coast of Ireland: 2006-2009. <i>Marine Biodiversity Records</i> , 2010 , 3,	2	1
15	Annual and spatial variation in the abundance length and condition of juvenile turbot (<i>Psetta maxima</i> L.) on nursery grounds on the west coast of Ireland: 2000-2007. <i>Journal of Sea Research</i> , 2010 , 64, 494-504	1.9	11
14	Can bottom trawling indirectly diminish carrying capacity in a marine ecosystem?. <i>Marine Biology</i> , 2010 , 157, 2375-2381	2.5	40
13	A comparison of otolith microchemistry and otolith shape analysis for the study of spatial variation in a deep-sea teleost, <i>Coryphaenoides rupestris</i> . <i>Environmental Biology of Fishes</i> , 2010 , 89, 591-605	1.6	50
12	Temporal trends in stock origin and abundance of juvenile herring (<i>Clupea harengus</i>) in the Irish Sea. <i>ICES Journal of Marine Science</i> , 2009 , 66, 1749-1753	2.7	9
11	Synchronous reproduction may facilitate introgression in a hybrid mussel (<i>Mytilus</i>) population. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009 , 378, 1-7	2.1	16
10	Shape analysis of otolith annuli in Atlantic herring (<i>Clupea harengus</i>); a new method for tracking fish populations. <i>Fisheries Research</i> , 2008 , 91, 133-143	2.3	44
9	Otolith shape analysis: its application for discriminating between stocks of Irish Sea and Celtic Sea herring (<i>Clupea harengus</i>) in the Irish Sea. <i>ICES Journal of Marine Science</i> , 2008 , 65, 1670-1675	2.7	51
8	HATCHING TIMES, LARVAL DURATION, SETTLEMENT AND LARVAL GROWTH OF PLAICE (<i>PLEURONECTES PLATESSA</i> (L.)) IN GALWAY BAY DETERMINED USING OTOLITH MICROSTRUCTURE. <i>Biology and Environment</i> , 2008 , 108, 127-134	0.8	6

7	FIN-RAY COUNT VARIATION IN 0-GROUP FLATFISH: PLAICE (PLEURONECTES PLATESSA (L.)) AND FLOUNDER (PLATICHTHYS FLESUS L.) ON THE WEST COAST OF IRELAND. <i>Biology and Environment</i> , 2008 , 108, 61-67	0.8	3
6	Larval otolith growth histories show evidence of stock structure in Northeast Atlantic blue whiting (<i>Micromesistius poutassou</i>). <i>ICES Journal of Marine Science</i> , 2007 , 64, 1136-1144	2.7	14
5	Spawning season fidelity in sympatric populations of Atlantic herring (<i>Clupea harengus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 607-616	2.4	38
4	Elevated manganese concentrations at the cores of clupeid otoliths: possible environmental, physiological, or structural origins. <i>Marine Biology</i> , 2004 , 144, 779-786	2.5	114
3	The influence of pre-recruitment growth on subsequent growth and age at first spawning in Atlantic herring (<i>Clupea harengus</i> L.). <i>ICES Journal of Marine Science</i> , 2003 , 60, 1103-1113	2.7	18
2	The detection of elements in larval otoliths from Atlantic herring using laser ablation ICP-MS. <i>Journal of Fish Biology</i> , 2003 , 63, 990-1007	1.9	28
1	Tracing populations of Atlantic herring (<i>Clupea harengus</i> L.) in the Irish and Celtic Seas using otolith microstructure. <i>ICES Journal of Marine Science</i> , 2002 , 59, 1305-1313	2.7	45