# Simon R Thorrold

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 149 papers | 13,732 citations | 19657 61 h-index | 22166 113 g-index |
| 150 all docs | 150 docs citations | 150 times ranked | 8739 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Otoliths, increments, and elements: keys to a comprehensive understanding of fish populations?. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 30-38. | 1.4 | 814 |
| 2 | Natal Homing in a Marine Fish Metapopulation. Science, 2001, 291, 297-299. | 12.6 | 562 |
| 3 | Strontium and barium uptake in aragonitic otoliths of marine fish. Geochimica Et Cosmochimica Acta, 2000, 64, 1705-1714. | 3.9 | 497 |
| 4 | Local Replenishment of Coral Reef Fish Populations in a Marine Reserve. Science, 2007, 316, 742-744. | 12.6 | 481 |
| 5 | Coral Reef Fish Larvae Settle Close to Home. Current Biology, 2005, 15, 1314-1318. | 3.9 | 472 |
| 6 | Larval Export from Marine Reserves and the Recruitment Benefit for Fish and Fisheries. Current Biology, 2012, 22, 1023-1028. | 3.9 | 412 |
| 7 | Population Connectivity in Marine Systems: An Overview. Oceanography, 2007, 20, 14-21. | 1.0 | 407 |
| 8 | Larval dispersal connects fish populations in a network of marine protected areas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5693-5697. | 7.1 | 403 |
| 9 | Otolith Chemistry To Describe Movements And Life-History Parameters Of Fishes. Oceanography and Marine Biology, 2008, , 297-330. | 1.0 | 397 |
| 10 | A review of ecogeochemistry approaches to estimating movements of marine animals. Limnology and Oceanography, 2013, 58, 697-714. | 3.1 | 309 |
| 11 | Factors determining Î´13C and Î´18O fractionation in aragonitic otoliths of marine fish. Geochimica Et Cosmochimica Acta, 1997, 61, 2909-2919. | 3.9 | 306 |
| 12 | Connectivity and resilience of coral reef metapopulations in marine protected areas: matching empirical efforts to predictive needs. Coral Reefs, 2009, 28, 327-337. | 2.2 | 290 |
| 13 | Water, not food, contributes the majority of strontium and barium deposited in the otoliths of a marine fish. Marine Ecology - Progress Series, 2006, 311, 125-130. | 1.9 | 266 |
| 14 | Global spatial risk assessment of sharks under the footprint of fisheries. Nature, 2019, 572, 461-466. | 27.8 | 254 |
| 15 | Accurate classification of juvenile weakfish Cynoscion regalis to estuarine nursery areas based on chemical signatures in otoliths. Marine Ecology - Progress Series, 1998, 173, 253-265. | 1.9 | 185 |
| 16 | Carbon isotope fractionation of amino acids in fish muscle reflects biosynthesis and isotopic routing from dietary protein. Journal of Animal Ecology, 2010, 79, 1132-1141. | 2.8 | 178 |
| 17 | Temperature and salinity effects on magnesium, manganese, and barium incorporation in otoliths of larval and early juvenile spot Leiostomus xanthurus. Marine Ecology - Progress Series, 2005, 293, 223-232. | 1.9 | 175 |
| 18 | Response of otolith microchemistry to environmental variations experienced by larval and juvenile Atlantic croaker (Micropogonias undulatus). Limnology and Oceanography, 1997, 42, 102-111. | 3.1 | 169 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Trace element signatures in otoliths record natal river of juvenile American shad (Alosa) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 3.1 | 166 |
| 20 | Management under uncertainty: guide-lines for incorporating connectivity into the protection of coral reefs. Coral Reefs, 2009, 28, 353-366. | 2.2 | 157 |
| 21 | Dispersal of Grouper Larvae Drives Local Resource Sharing in a Coral Reef Fishery. Current Biology, 2013, 23, 626-630. | 3.9 | 150 |
| 22 | Experimental assessment of the effect of temperature and salinity on elemental composition of otoliths using laser ablation ICPMS. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 1431-1441. | 1.4 | 149 |
| 23 | Temperature and salinity effects on strontium incorporation in otoliths of larval spot (Leiostomus) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.4 | 138 |
| 24 | Trophic discrimination of nitrogen stable isotopes in amino acids varies with diet quality in a marine fish. Limnology and Oceanography, 2015, 60, 1076-1087. | 3.1 | 135 |
| 25 | Persistence of selfâ€recruitment and patterns of larval connectivity in a marine protected area network. Ecology and Evolution, 2012, 2, 444-452. | 1.9 | 131 |
| 26 | Permanent Genetic Resources added to Molecular Ecology Resources Database 1 May 2009â€“31 July 2009. Molecular Ecology Resources, 2009, 9, 1460-1466. | 4.8 | 128 |
| 27 | Transgenerational marking of embryonic otoliths in marine fishes using barium stable isotopes. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1193-1197. | 1.4 | 124 |
| 28 | Experimental assessment of the effect of temperature and salinity on elemental composition of otoliths using solution-based ICPMS. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 1421-1430. | 1.4 | 123 |
| 29 | Comparison of accuracy, precision, and sensitivity in elemental assays of fish otoliths using the electron microprobe, proton-induced X-ray emission, and laser ablation inductively coupled plasma mass spectrometry. Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 2068-2079. | 1.4 | 123 |
| 30 | Tracing carbon flow through coral reef food webs using a compound-specific stable isotope approach. Oecologia, 2016, 180, 809-821. | 2.0 | 123 |
| 31 | Carbon and nitrogen isotope fractionation of amino acids in an avian marine predator, the gentoo penguin (Pygoscelis papua). Ecology and Evolution, 2015, 5, 1278-1290. | 1.9 | 121 |
| 32 | Coral reef fish smell leaves to find island homes. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2831-2839. | 2.6 | 120 |
| 33 | Ocean acidification does not affect the early life history development of a tropical marine fish. Marine Ecology - Progress Series, 2011, 423, 211-221. | 1.9 | 119 |
| 34 | Connectivity dominates larval replenishment in a coastal reef fish metapopulation. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2954-2961. | 2.6 | 114 |
| 35 | Certification of a fish otolith reference material in support of quality assurance for trace element analysis. Journal of Analytical Atomic Spectrometry, 2005, 20, 1067. | 3.0 | 111 |
| 36 | Estimating connectivity in marine populations: an empirical evaluation of assignment tests and parentage analysis under different gene flow scenarios. Molecular Ecology, 2009, 18, 1765-1776. | 3.9 | 110 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Population Connectivity and Larval Dispersal Using Geochemical Signatures in Calcified Structures. Oceanography, 2007, 20, 80-89. | 1.0 | 108 |
| 38 | Diet and trophic position of Atlantic bluefin tuna (Thunnus thynnus) inferred from stable carbon and nitrogen isotope analysis. Marine Biology, 2005, 147, 37-45. | 1.5 | 107 |
| 39 | Transequatorial Migrations by Basking Sharks in the Western Atlantic Ocean. Current Biology, 2009, 19, 1019-1022. | 3.9 | 107 |
| 40 | Geochemical Signatures in Otoliths Record Natal Origins of American Shad. Transactions of the American Fisheries Society, 2008, 137, 57-69. | 1.4 | 105 |
| 41 | Convergence of marine megafauna movement patterns in coastal and open oceans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3072-3077. | 7.1 | 103 |
| 42 | Larval fish dispersal in a coral-reef seascape. Nature Ecology and Evolution, 2017, 1, 148. | 7.8 | 101 |
| 43 | Onshore transport of settlement-stage Nassau grouper Epinephelus striatus and other fishes in Exuma Sound, Bahamas. Marine Ecology - Progress Series, 1993, 98, 31-43. | 1.9 | 97 |
| 44 | Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. Biological Conservation, 2021, 263, 109175. | 4.1 | 96 |
| 45 | Extreme diving behaviour in devil rays links surface waters and the deep ocean. Nature Communications, 2014, 5, 4274. | 12.8 | 94 |
| 46 | Mesoscale eddies release pelagic sharks from thermal constraints to foraging in the ocean twilight zone. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17187-17192. | 7.1 | 91 |
| 47 | In situ analysis of trace elements and isotope ratios in fish otoliths using laser ablation sector field inductively coupled plasma mass spectrometry. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1232-1242. | 1.4 | 90 |
| 48 | Effect of ocean acidification on otolith development in larvae of a tropical marine fish. Biogeosciences, 2011, 8, 1631-1641. | 3.3 | 89 |
| 49 | Movements of the reef manta ray (Manta alfredi) in the Red Sea using satellite and acoustic telemetry. Marine Biology, 2015, 162, 2351-2362. | 1.5 | 81 |
| 50 | Movements of the white shark Carcharodon carcharias in the North Atlantic Ocean. Marine Ecology - Progress Series, 2017, 580, 1-16. | 1.9 | 81 |
| 51 | Diving Behavior of the Reef Manta Ray Links Coral Reefs with Adjacent Deep Pelagic Habitats. PLoS ONE, 2014, 9, e88170. | 2.5 | 80 |
| 52 | Variation in Serripes groenlandicus (Bivalvia) growth in a Norwegian high-Arctic fjord: evidence for local- and large-scale climatic forcing. Global Change Biology, 2006, 12, 1595-1607. | 9.5 | 79 |
| 53 | Linking habitat mosaics and connectivity in a coral reef seascape. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15372-15376. | 7.1 | 76 |
| 54 | Analysis of otolith chemistry in Nassau grouper ( Epinephelus striatus ) from the Bahamas and Belize using solution-based ICP-MS. Coral Reefs, 1999, 18, 171-178. | 2.2 | 75 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Spatial and temporal variation in elemental signatures of statoliths from the Patagonian longfin squid (Loligo gahi). Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 1212-1224. | 1.4 | 75 |
| 56 | Probability of successful larval dispersal declines fivefold over 1 km in a coral reef fish. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1883-1888. | 2.6 | 74 |
| 57 | Population differences in otolith chemistry have a genetic basis in Menidia menidia. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 105-114. | 1.4 | 70 |
| 58 | Incorporation of strontium, cadmium, and barium in juvenile spot (Leiostomus xanthurus) scales reflects water chemistry. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 2122-2129. | 1.4 | 68 |
| 59 | Continental-scale variation in otolith geochemistry of juvenile American shad (AlosaÂsapidissima). Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 2623-2635. | 1.4 | 68 |
| 60 | Experimental evaluation of stable isotope fractionation in fish muscle and otoliths. Marine Ecology - Progress Series, 2010, 408, 195-205. | 1.9 | 66 |
| 61 | High-resolution Sr/Ca records in sclerosponges calibrated to temperature in situ. Geology, 2004, 32, 145. | 4.4 | 65 |
| 62 | Inter-annual variability in isotope and elemental ratios recorded in otoliths of an anadromous fish. Journal of Geochemical Exploration, 2009, 102, 181-186. | 3.2 | 65 |
| 63 | Vertebral Bomb Radiocarbon Suggests Extreme Longevity in White Sharks. PLoS ONE, 2014, 9, e84006. | 2.5 | 64 |
| 64 | Zooplankton community structure and copepod egg production in coastal waters of the central Great Barrier Reef lagoon. Journal of Plankton Research, 1993, 15, 1387-1411. | 1.8 | 61 |
| 65 | A new method to reconstruct fish diet and movement patterns from Î´<sup>13</sup>C values in otolith amino acids. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 1330-1340. | 1.4 | 59 |
| 66 | HMMoce: An R package for improved geolocation of archivalâ€tagged fishes using a hidden Markov method. Methods in Ecology and Evolution, 2018, 9, 1212-1220. | 5.2 | 59 |
| 67 | Mesoscale eddies influence the movements of mature female white sharks in the Gulf Stream and Sargasso Sea. Scientific Reports, 2018, 8, 7363. | 3.3 | 59 |
| 68 | Movement Patterns of Juvenile Whale Sharks Tagged at an Aggregation Site in the Red Sea. PLoS ONE, 2014, 9, e103536. | 2.5 | 58 |
| 69 | Spatial and isotopic niche partitioning during winter in chinstrap and AdÃ©lie penguins from the South Shetland Islands. Ecosphere, 2015, 6, 1-32. | 2.2 | 58 |
| 70 | Natal origin and population connectivity of bigeye and yellowfin tuna in the Pacific Ocean. Fisheries Oceanography, 2016, 25, 277-291. | 1.7 | 52 |
| 71 | Patterns and persistence of larval retention and connectivity in a marine fish metapopulation. Molecular Ecology, 2012, 21, 4695-4705. | 3.9 | 51 |
| 72 | Integrating Archival Tag Data and a High-Resolution Oceanographic Model to Estimate Basking Shark (Cetorhinus maximus) Movements in the Western Atlantic. Frontiers in Marine Science, 2018, 5, . | 2.5 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Multi-method assessment of whale shark (Rhincodon typus) residency, distribution, and dispersal behavior at an aggregation site in the Red Sea. PLoS ONE, 2019, 14, e0222285. | 2.5 | 50 |
| 74 | Biophysical mechanisms of larval fish ingress into Chesapeake Bay. Marine Ecology - Progress Series, 2005, 303, 295-310. | 1.9 | 50 |
| 75 | Larval supply of shorefishes to nursery habitats around Lee Stocking Island, Bahamas. II. Lunar and oceanographic influences. Marine Biology, 1994, 118, 567-578. | 1.5 | 49 |
| 76 | Environmentally mediated trends in otolith composition of juvenile Atlantic cod (Gadus morhua). ICES Journal of Marine Science, 2015, 72, 2350-2363. | 2.5 | 47 |
| 77 | Geographic Variation in Trace Element Composition of Juvenile Weakfish Scales. Transactions of the American Fisheries Society, 2000, 129, 889-900. | 1.4 | 46 |
| 78 | Estimating westslope cutthroat trout (Oncorhynchus clarkii lewisi) movements in a river network using strontium isoscapes. Canadian Journal of Fisheries and Aquatic Sciences, 2012, 69, 906-915. | 1.4 | 46 |
| 79 | Comparison of larval duration and pre- and post-settlement growth in two species of damselfish,Chromis atripectoralis andPomacentrus coelestis (Pisces: Pomacentridae), from the Great Barrier Reef. Marine Biology, 1990, 105, 375-384. | 1.5 | 45 |
| 80 | Otolith Applications in Reef Fish Ecology. , 2002, , 243-264. | | 45 |
| 81 | Carbon isotopes in otolith amino acids identify residency of juvenile snapper (Family: Lutjanidae) in coastal nurseries. Coral Reefs, 2011, 30, 1135-1145. | 2.2 | 45 |
| 82 | Testing an otolith geochemistry approach to determine population structure and movements of European hake in the northeast Atlantic Ocean and Mediterranean Sea. Fisheries Research, 2012, 125-126, 198-205. | 1.7 | 45 |
| 83 | Marine Dispersal Scales Are Congruent over Evolutionary and Ecological Time. Current Biology, 2017, 27, 149-154. | 3.9 | 45 |
| 84 | Analysis of Otolith Microstructure to Determine Growth Histories in Larval Cohorts of a Tropical Herring (Herklotsichthys castelnaui). Canadian Journal of Fisheries and Aquatic Sciences, 1989, 46, 1615-1624. | 1.4 | 43 |
| 85 | Intra-annual variation in the stable oxygen and carbon and trace element composition of sclerosponges. Paleoceanography, 2002, 17, 17-1-17-12. | 3.0 | 43 |
| 86 | Minor and trace elements in sclerosponge Ceratoporella nicholsoni: Biogenic aragonite near the inorganic endmember?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 228, 109-129. | 2.3 | 41 |
| 87 | High connectivity among locally adapted populations of a marine fish (Menidia menidia). Ecology, 2010, 91, 3526-3537. | 3.2 | 41 |
| 88 | Homogeneity of coral reef communities across 8 degrees of latitude in the Saudi Arabian Red Sea. Marine Pollution Bulletin, 2016, 105, 558-565. | 5.0 | 38 |
| 89 | Detrimental effects of host anemone bleaching on anemonefish populations. Coral Reefs, 2011, 30, 497-506. | 2.2 | 37 |
| 90 | Experimental evaluation of imprinting and the role innate preference plays in habitat selection in a coral reef fish. Oecologia, 2014, 174, 99-107. | 2.0 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Integrating microsatellite DNA markers and otolith geochemistry to assess population structure of European hake (Merluccius merluccius). Estuarine, Coastal and Shelf Science, 2014, 142, 68-75. | 2.1 | 37 |
| 92 | First genealogy for a wild marine fish population reveals multigenerational philopatry. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13245-13250. | 7.1 | 37 |
| 93 | Evaluating the performance of light traps for sampling small fish and squid in open waters of the central Great Barrier Reef lagoon. Marine Ecology - Progress Series, 1992, 89, 277-285. | 1.9 | 37 |
| 94 | Otolith geochemistry discriminates among estuarine nursery areas of Solea solea and S. senegalensis over time. Marine Ecology - Progress Series, 2012, 452, 193-203. | 1.9 | 35 |
| 95 | Centennial records of lead contamination in northern Atlantic bivalves (Arctica islandica). Marine Pollution Bulletin, 2012, 64, 233-240. | 5.0 | 35 |
| 96 | Does otolith geochemistry record ambient environmental conditions in a temperate tidal estuary?. Journal of Experimental Marine Biology and Ecology, 2013, 441, 7-15. | 1.5 | 35 |
| 97 | The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159. | 11.6 | 35 |
| 98 | Stability of elemental signatures in the scales of spawning weakfish, Cynoscion regalis. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 361-369. | 1.4 | 34 |
| 99 | Spatial and ontogenetic variability in the chemical composition of juvenile common sole (Solea solea) otoliths. Estuarine, Coastal and Shelf Science, 2011, 91, 150-157. | 2.1 | 34 |
| 100 | Geochemical Signatures in Scales Record Stream of Origin in Westslope Cutthroat Trout. Transactions of the American Fisheries Society, 2005, 134, 945-959. | 1.4 | 33 |
| 101 | Salinity change in the subtropical Atlantic: Secular increase and teleconnections to the North Atlantic Oscillation. Geophysical Research Letters, 2005, 32, . | 4.0 | 33 |
| 102 | Transgenerational marking of marine fish larvae: stableâ€isotope retention, physiological effects and health issues. Journal of Fish Biology, 2009, 74, 891-905. | 1.6 | 33 |
| 103 | Spatial segregation, dispersion and migration in early stages of polar cod Boreogadus saida revealed by otolith chemistry. Marine Biology, 2015, 162, 855-868. | 1.5 | 33 |
| 104 | Population structure of a whale shark Rhincodon typus aggregation in the Red Sea. Journal of Fish Biology, 2016, 89, 1570-1582. | 1.6 | 32 |
| 105 | Otolith geochemistry does not reflect dispersal history of clownfish larvae. Coral Reefs, 2010, 29, 883-891. | 2.2 | 31 |
| 106 | A review of elasmobranch research in the Red Sea. Journal of Fish Biology, 2012, 80, 952-965. | 1.6 | 31 |
| 107 | Chemical signatures in the otoliths of a coastal marine fish, Menidia menidia, from the northeastern United States: spatial and temporal differences. Marine Ecology - Progress Series, 2009, 384, 261-271. | 1.9 | 31 |
| 108 | Temporal patterns in the larval supply of summer-recruiting reef fishes to Lee Stocking Island, Bahamas. Marine Ecology - Progress Series, 1994, 112, 75-86. | 1.9 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Larval supply of shorefishes to nursery habitats around Lee Stocking Island, Bahamas. I. Small-scale distribution patterns. Marine Biology, 1994, 118, 555-566. | 1.5 | 30 |
| 110 | Population connectivity of Solea solea and Solea senegalensis over time. Journal of Sea Research, 2013, 76, 82-88. | 1.6 | 29 |
| 111 | Mothers matter: contribution to local replenishment is linked to female size, mate replacement and fecundity in a fish metapopulation. Marine Biology, 2015, 162, 3-14. | 1.5 | 29 |
| 112 | An experimental evaluation of transgenerational isotope labelling in a coral reef grouper. Marine Biology, 2009, 156, 2517-2525. | 1.5 | 27 |
| 113 | Terrestrial chemical cues help coral reef fish larvae locate settlement habitat surrounding islands. Ecology and Evolution, 2011, 1, 586-595. | 1.9 | 27 |
| 114 | Evidence and patterns of tuna spawning inside a large no-take Marine Protected Area. Scientific Reports, 2019, 9, 10772. | 3.3 | 27 |
| 115 | MARKOV CHAIN MONTE CARLO METHODS FOR ASSIGNING LARVAE TO NATAL SITES USING NATURAL GEOCHEMICAL TAGS. Ecological Applications, 2008, 18, 1901-1913. | 3.8 | 26 |
| 116 | Global collision-risk hotspots of marine traffic and the worldâ€™s largest fish, the whale shark. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117440119. | 7.1 | 26 |
| 117 | Establishment, Management, and Maintenance of the Phoenix Islands Protected Area. Advances in Marine Biology, 2014, 69, 289-324. | 1.4 | 24 |
| 118 | Assimilating electronic tagging, oceanographic modelling, and fisheries data to estimate movements and connectivity of swordfish in the North Atlantic. ICES Journal of Marine Science, 2019, 76, 2305-2317. | 2.5 | 24 |
| 119 | Increasing Coral Reef Resilience Through Successive Marine Heatwaves. Geophysical Research Letters, 2021, 48, e2021GL094128. | 4.0 | 22 |
| 120 | Temperature and salinity effects on elemental uptake in the shells of larval and juvenile softshell clams Mya arenaria. Marine Ecology - Progress Series, 2008, 370, 155-169. | 1.9 | 22 |
| 121 | Response of larval fish assemblages to a riverine plume in coastal waters of the central Great Barrier Reef lagoon. Limnology and Oceanography, 1995, 40, 177-181. | 3.1 | 21 |
| 122 | Meso-scale distribution patterns of larval and pelagic juvenile fishes in the central Great Barrier Reef lagoon. Marine Ecology - Progress Series, 1996, 145, 17-31. | 1.9 | 20 |
| 123 | Isotope geochemistry reveals ontogeny of dispersal and exchange between mainâ€river and tributary habitats in smallmouth bass Micropterus dolomieu. Journal of Fish Biology, 2017, 90, 528-548. | 1.6 | 20 |
| 124 | Mapping bathymetric and hydrographic features of Glover's Reef, Belize, with a REMUS autonomous underwater vehicle. Limnology and Oceanography, 2008, 53, 2264-2272. | 3.1 | 19 |
| 125 | Recovery of temperature records from slowâ€growing corals by fine scale sampling of skeletons. Geophysical Research Letters, 2007, 34, . | 4.0 | 18 |
| 126 | Limited diversity in natal origins of immature anadromous fish during ocean residency. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1699-1707. | 1.4 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Resolving natal tags using otolith geochemistry in an estuarine fish, rainbow smelt Osmerus mordax. Marine Ecology - Progress Series, 2011, 433, 195-204. | 1.9 | 17 |
| 128 | Coral reef fish populations can persist without immigration. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151311. | 2.6 | 15 |
| 129 | Laser ablation ICPâ€MS analysis of larval shell in softshell clams (Mya arenaria) poses challenges for natural tag studies. Limnology and Oceanography: Methods, 2007, 5, 241-249. | 2.0 | 13 |
| 130 | Accelerator mass spectrometry <sup>14</sup>C determination in CO<sub>2</sub> produced from laser decomposition of aragonite. Rapid Communications in Mass Spectrometry, 2008, 22, 3443-3449. | 1.5 | 12 |
| 131 | Seascape and life-history traits do not predict self-recruitment in a coral reef fish. Biology Letters, 2016, 12, 20160309. | 2.3 | 12 |
| 132 | Ocean Ecology: Don't Fence Me in. Current Biology, 2006, 16, R638-R640. | 3.9 | 11 |
| 133 | Retention of a transgenerational marker (137Barium) in tissues of adult female anemonefish and assessment of physiological stress. Environmental Biology of Fishes, 2013, 96, 459-466. | 1.0 | 11 |
| 134 | Strong habitat and weak genetic effects shape the lifetime reproductive success in a wild clownfish population. Ecology Letters, 2020, 23, 265-273. | 6.4 | 11 |
| 135 | Regional variation in otolith geochemistry of juvenile Atlantic cod (Gadus morhua) in coastal Newfoundland. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1507-1519. | 1.4 | 10 |
| 136 | Stable isotope analyses of feather amino acids identify penguin migration strategies at ocean basin scales. Biology Letters, 2017, 13, 20170241. | 2.3 | 9 |
| 137 | The use of otoliths and larval abundance for studying the spatial ecology of the blenny Scartichthys viridis (Valenciennes, 1836) in coastal central Chile. Revista De Biologia Marina Y Oceanografia, 2009, 44, . | 0.2 | 9 |
| 138 | Otolith Chemistry. Reviews: Methods and Technologies in Fish Biology and Fisheries, 2009, , 249-295. | 0.6 | 8 |
| 139 | Use of a Natural Isotopic Signature in Otoliths to Evaluate Scale-Based Age Determination for American Shad. Marine and Coastal Fisheries, 2012, 4, 346-357. | 1.4 | 8 |
| 140 | Spatio-Temporal Variability in White Shark (Carcharodon carcharias) Movement Ecology During Residency and Migration Phases in the Western North Atlantic. Frontiers in Marine Science, 2021, 8, . | 2.5 | 8 |
| 141 | Reply to: Shark mortality cannot be assessed by fishery overlap alone. Nature, 2021, 595, E8-E16. | 27.8 | 7 |
| 142 | Contrasting global, regional and local patterns of genetic structure in gray reef shark populations from the Indo-Pacific region. Scientific Reports, 2019, 9, 15816. | 3.3 | 6 |
| 143 | Incorporation of strontium, cadmium, and barium in juvenile spot (<i>Leiostomus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1<br>Sciences, 2000, 57, 2122-2129. | 1.4 | 6 |
| 144 | Genetic tools link long-term demographic and life-history traits of anemonefish to their anemone hosts. Coral Reefs, 2016, 35, 1127-1138. | 2.2 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Compound-Specific Stable Isotope Analysis of Amino Acids in Pelagic Shark Vertebrae Reveals Baseline, Trophic, and Physiological Effects on Bulk Protein Isotope Records. Frontiers in Marine Science, 2021, 8, . | 2.5 | 5 |
| 146 | Reply to: Caution over the use of ecological big data for conservation. Nature, 2021, 595, E20-E28. | 27.8 | 4 |
| 147 | Pieces in a global puzzle: Population genetics at two whale shark aggregations in the western Indian Ocean. Ecology and Evolution, 2022, 12, e8492. | 1.9 | 4 |
| 148 | Workshop held to discuss population connectivity in marine systems. Eos, 2003, 84, 119. | 0.1 | 2 |
| 149 | Twilight Zone Observation Network: A Distributed Observation Network for Sustained, Real-Time Interrogation of the Ocean's Twilight Zone. Marine Technology Society Journal, 2021, 55, 92-93. | 0.4 | 2 |