Chris Harrod

List of Publications by Year
in descending order

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120 papers	4,347 citations	117453 34 h-index	133063 59 g-index
127 all docs	127 docs citations	127 times ranked	5232 citing authors

#	Article	IF	Citations
1	A revised model for lipid-normalizing Î´13C values from aquatic organisms, with implications for isotope mixing models. Journal of Applied Ecology, 2006, 43, 1213-1222.	1.9	361
2	Implications of climate change for the fishes of the British Isles. Journal of Fish Biology, 2009, 74, 1143-1205.	0.7	206
3	<scp>tRophicPosition</scp>, an <scp>r</scp> package for the Bayesian estimation of trophic position from consumer stable isotope ratios. Methods in Ecology and Evolution, 2018, 9, 1592-1599.	2.2	186
4	Ecological impacts of an invasive predator explained and predicted by comparative functional responses. Biological Invasions, 2013, 15, 837-846.	1.2	149
5	Human effects on ecological connectivity in aquatic ecosystems: Integrating scientific approaches to support management and mitigation. Science of the Total Environment, 2015, 534, 52-64.	3.9	143
6	Trophic interactions and consequent impacts of the invasive fish Pseudorasbora parva in a native aquatic foodweb: a field investigation in the UK. Biological Invasions, 2010, 12, 1533-1542.	1.2	115
7	Phenotypeâ€environment correlations in a putative whitefish adaptive radiation. Journal of Animal Ecology, 2010, 79, 1057-1068.	1.3	113
8	Rapid sympatric ecological differentiation of crater lake cichlid fishes within historic times. BMC Biology, 2010, 8, 60.	1.7	112
9	Parasite diversity, patterns of MHC II variation and olfactory based mate choice in diverging three-spined stickleback ecotypes. Evolutionary Ecology, 2011, 25, 605-622.	0.5	110
10	Stable isotope analyses provide new insights into ecological plasticity in a mixohaline population of European eel. Oecologia, 2005, 144, 673-683.	0.9	98
11	Habitat-specific adaptation of immune responses of stickleback (Gasterosteus aculeatus) lake and river ecotypes. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1523-1532.	1.2	98
12	Recruitment Collapse and Population Structure of the European Eel Shaped by Local Ocean Current Dynamics. Current Biology, 2014, 24, 104-108.	1.8	93
13	Parsing parallel evolution: ecological divergence and differential gene expression in the adaptive radiations of thickâ€lipped <scp>M</scp>idas cichlid fishes from <scp>N</scp>icaragua. Molecular Ecology, 2013, 22, 650-669.	2.0	82
14	Accounting for the effects of lipids in stable isotope (Î´¹³C and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Î´< Communications in Mass Spectrometry, 2012, 26, 2745-2754.	0.7	78
15	Tracing early stages of species differentiation: Ecological, morphological and genetic divergence of GalÃ¡pagos sea lion populations. BMC Evolutionary Biology, 2008, 8, 150.	3.2	73
16	Parallel and nonparallel ecological, morphological and genetic divergence in lakeâ€“stream stickleback from a single catchment. Journal of Evolutionary Biology, 2013, 26, 186-204.	0.8	73
17	Lake size and fish diversity determine resource use and trophic position of a top predator in highâ€latitude lakes. Ecology and Evolution, 2015, 5, 1664-1675.	0.8	65
18	Stable isotope analysis of baleen reveals resource partitioning among sympatric rorquals and population structure in fin whales. Marine Ecology - Progress Series, 2013, 479, 251-261.	0.9	58

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19	From clear lakes to murky waters â€“ tracing the functional response of highâ€latitude lake communities to concurrent â€˜greeningâ€™ and â€˜browningâ€™. Ecology Letters, 2019, 22, 807-816.	3.0	58
20	A metaâ€analysis of latitudinal variations in lifeâ€history traits of roach, Rutilus rutilus, over its geographical range: linear or nonâ€linear relationships?. Freshwater Biology, 2008, 53, 1491-1501.	1.2	57
21	Dual fuels: intraâ€annual variation in the relative importance of benthic and pelagic resources to maintenance, growth and reproduction in a generalist salmonid fish. Journal of Animal Ecology, 2014, 83, 1501-1512.	1.3	55
22	Lipid extraction has little effect on the Î´¹⁵N of aquatic consumers. Limnology and Oceanography: Methods, 2007, 5, 338-342.	1.0	54
23	Opinion: Why we need a centralized repository for isotopic data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2997-3001.	3.3	50
24	Ecological and Societal Benefits of Jellyfish. , 2014, , 105-127.		48
25	Salt to conserve: a review on the ecology and preservation of hypersaline ecosystems. Biological Reviews, 2021, 96, 2828-2850.	4.7	47
26	Not all jellyfish are equal: isotopic evidence for inter- and intraspecific variation in jellyfish trophic ecology. PeerJ, 2015, 3, e1110.	0.9	47
27	Lake morphometry and resource polymorphism determine niche segregation between coolâ€and coldâ€waterâ€adapted fish. Ecology, 2014, 95, 538-552.	1.5	46
28	Bacterial Active Community Cycling in Response to Solar Radiation and Their Influence on Nutrient Changes in a High-Altitude Wetland. Frontiers in Microbiology, 2016, 7, 1823.	1.5	43
29	Habitat coupling writ large: pelagicâ€derived materials fuel benthivorous macroalgal reef fishes in an upwelling zone. Ecology, 2017, 98, 2267-2272.	1.5	43
30	Distributional patterns and community structure of Caribbean coral reef fishes within a river-impacted bay. Journal of Fish Biology, 2007, 70, 523-537.	0.7	41
31	Stable isotopes challenge the perception of ocean sunfish Mola mola as obligate jellyfish predators. Journal of Fish Biology, 2012, 80, 225-231.	0.7	40
32	Natural mortality, growth parameters, and environmental temperature in fishes revisited. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 249-255.	0.7	38
33	Species introduction promotes hybridization and introgression in Coregonus: is there sign of selection against hybrids?. Molecular Ecology, 2011, 20, 3838-3855.	2.0	38
34	Adaptive Radiation along a Thermal Gradient: Preliminary Results of Habitat Use and Respiration Rate Divergence among Whitefish Morphs. PLoS ONE, 2014, 9, e112085.	1.1	38
35	Isotopic variation complicates analysis of trophic relations within the fish community of PluÃŸsee: a small, deep, stratifying lake. Archiv FÃ¼r Hydrobiologie, 2006, 167, 281-299.	1.1	38
36	Phylogenetic and phylogeographic analysis of the genus Orestias (Teleostei: Cyprinodontidae) in the southern Chilean Altiplano: the relevance of ancient and recent divergence processes in speciation. Journal of Fish Biology, 2013, 82, 927-943.	0.7	37

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37	Do nonâ€native invasive fish support elevated lamprey populations?. Journal of Applied Ecology, 2010, 47, 121-129.	1.9	34
38	Preservation methods alter stable isotope values in gelatinous zooplankton: implications for interpreting trophic ecology. Marine Biology, 2011, 158, 2141-2146.	0.7	34
39	Trophic niche partitioning in communities of African annual fish: evidence from stable isotopes. Hydrobiologia, 2014, 721, 99-106.	1.0	34
40	Scyphozoan jellyfish provide short-term reproductive habitat for hyperiid amphipods in a temperate near-shore environment. Marine Ecology - Progress Series, 2014, 510, 229-240.	0.9	34
41	â€˜White goldâ€™ guano fertilizer drove agricultural intensification in the Atacama Desert from ad 1000. Nature Plants, 2021, 7, 152-158.	4.7	33
42	Î´13C and Î´15N reveal significant differences in the coastal foodwebs of the seas surrounding Trinidad and Tobago. Marine Ecology - Progress Series, 2008, 368, 41-51.	0.9	32
43	Stable isotope analysis of archived roach (Rutilus rutilus) scales for retrospective study of shallow lake responses to nutrient reduction. Freshwater Biology, 2009, 54, 1663-1670.	1.2	31
44	Coastal Upwelling Drives Intertidal Assemblage Structure and Trophic Ecology. PLoS ONE, 2015, 10, e0130789.	1.1	31
45	Total mercury concentrations in liver and muscle of European whitefish (Coregonus lavaretus (L.)) in a subarctic lake - Assessing the factors driving year-round variation. Environmental Pollution, 2017, 231, 1518-1528.	3.7	31
46	Transcontinental migratory connectivity predicts parasite prevalence in breeding populations of the European barn swallow. Journal of Evolutionary Biology, 2015, 28, 535-546.	0.8	30
47	Convergent evolutionary processes driven by foraging opportunity in two sympatric morph pairs of Arctic charr with contrasting post-glacial origins. Biological Journal of the Linnean Society, 2012, 106, 794-806.	0.7	29
48	Applying species distribution modelling to a data poor, pelagic fish complex: the ocean sunfishes. Journal of Biogeography, 2017, 44, 2176-2187.	1.4	27
49	Determining trophic niche width: an experimental test of the stable isotope approach. Oikos, 2012, 121, 1985-1994.	1.2	26
50	The effects of winter ice cover on the trophic ecology of whitefish (<scp>C</scp>oregonus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.7	25
51	Trophic flexibility by roach Rutilus rutilus in novel habitats facilitates rapid growth and invasion success. Journal of Fish Biology, 2014, 84, 1099-1116.	0.7	24
52	Geologic and anthropogenic sources of contamination in settled dust of a historic mining port city in northern Chile: health risk implications. PeerJ, 2018, 6, e4699.	0.9	24
53	The importance of kelp to an intertidal ecosystem varies by trophic level: insights from amino acid Î´¹³C analysis. Ecosphere, 2018, 9, e02516.	1.0	24
54	Identifying trophic variation in a marine suspension feeder: DNA- and stable isotope-based dietary analysis in Mytilus spp.. Marine Biology, 2013, 160, 479-490.	0.7	23

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55	Seasonal depletion of resources intensifies trophic interactions in subarctic freshwater fish communities. Freshwater Biology, 2015, 60, 1000-1015.	1.2	23
56	Microbial community composition and trophic role along a marked salinity gradient in Laguna Puilar, Salar de Atacama, Chile. Antonie Van Leeuwenhoek, 2018, 111, 1361-1374.	0.7	23
57	Development of non-lethal sampling of carbon and nitrogen stable isotope ratios in salmonids: effects of lipid and inorganic components of fins. Isotopes in Environmental and Health Studies, 2013, 49, 555-566.	0.5	22
58	Identifying potentially harmful jellyfish blooms using shoreline surveys. Aquaculture Environment Interactions, 2013, 4, 263-272.	0.7	22
59	The Irish pollan, Coregonus autumnalis: options for its conservation. Journal of Fish Biology, 2001, 59, 339-355.	0.7	21
60	Are phenotypic traits useful for differentiating among a priori Coregonus taxa?. Journal of Fish Biology, 2012, 80, 387-407.	0.7	21
61	Ecological speciation in a generalist consumer expands the trophic niche of a dominant predator. Scientific Reports, 2017, 7, 8765.	1.6	21
62	Trophic dynamics within a hybrid zone - interactions between an abundant cyprinid hybrid and sympatric parental species. Freshwater Biology, 2011, 56, 1723-1735.	1.2	20
63	Reply to Logan & Dodge: â€˜Stable isotopes challenge the perception of ocean sunfish Mola mola as obligate jellyfish predators'. Journal of Fish Biology, 2013, 82, 10-16.	0.7	19
64	Effects of Elodea nuttallii on temperate freshwater plants, microalgae and invertebrates: small differences between invaded and uninvaded areas. Biological Invasions, 2015, 17, 2123-2138.	1.2	19
65	Trophic relationships between the large scyphomedusa Chrysaora plocamia and the parasitic amphipod Hyperia curticephala. Marine Biology, 2015, 162, 1841-1848.	0.7	19
66	Competition between coâ€•occurring invasive and native consumers switches between habitats. Functional Ecology, 2018, 32, 2717-2729.	1.7	19
67	Variability in Î´13C and Î´15N trophic discrimination factors for teleost fishes: a meta-analysis of temperature and dietary effects. Reviews in Fish Biology and Fisheries, 2022, 32, 313-329.	2.4	19
68	Differences in the contributions of dietary water to the hydrogen stable isotope ratios of cultured Atlantic salmon and Arctic charr tissues. Hydrobiologia, 2014, 721, 45-55.	1.0	18
69	Seasonal changes in European whitefish muscle and invertebrate prey fatty acid composition in a subarctic lake. Freshwater Biology, 2019, 64, 1908-1920.	1.2	18
70	Quacks snack on smacks: mallard ducks (<i>Anas platyrhynchos</i>) observed feeding on hydrozoans (<i>Velella velella</i>). Plankton and Benthos Research, 2017, 12, 143-144.	0.2	17
71	Chile's salmon escape demands action. Science, 2018, 361, 857-858.	6.0	17
72	A review of spatial and temporal variation in grey and common seal diet in the United Kingdom and Ireland. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1711-1722.	0.4	16

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73	Historical data reveal powerâ€law dispersal patterns of invasive aquatic species. Ecography, 2014, 37, 581-590.	2.1	16
74	Microbial diversity and trophic components of two high altitude wetlands of the Chilean Altiplano. Gayana, 2015, 79, 45-56.	0.0	16
75	The effects of spatial scale and isoscape on consumer isotopic niche width. Functional Ecology, 2018, 32, 904-915.	1.7	16
76	Ichthyocotylurus erraticus (Digenea: Strigeidae): factors affecting infection intensity and the effects of infection on pollan (Coregonus autumnalis), a glacial relict fish. Parasitology, 2005, 131, 511.	0.7	15
77	Unique mitochondrial <scp>DNA</scp> lineages in Irish stickleback populations: cryptic refugium or rapid recolonization?. Ecology and Evolution, 2014, 4, 2488-2504.	0.8	15
78	The activity of nitrifying microorganisms in a high-altitude Andean wetland. FEMS Microbiology Ecology, 2018, 94, .	1.3	15
79	Ecological plasticity of the European eel Anguilla anguilla in a tidal Atlantic lake system in Ireland. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1189-1195.	0.4	15
80	Bulk tissue and amino acid stable isotope analyses reveal global ontogenetic patterns in ocean sunfish trophic ecology and habitat use. Marine Ecology - Progress Series, 2020, 633, 127-140.	0.9	15
81	Intraspecific variation and energy channel coupling within a Chilean kelp forest. Ecology, 2021, 102, e03198.	1.5	15
82	Functional changes in benthic macrofaunal communities along a natural gradient of hypoxia in an upwelling system. Marine Pollution Bulletin, 2021, 164, 112056.	2.3	15
83	Continuous variation in the pattern of marinev.freshwater foraging in brown troutSalmo truttaL. from Loch Lomond, Scotland. Journal of Fish Biology, 2008, 73, 44-53.	0.7	14
84	The temporal window of ecological adaptation in postglacial lakes: a comparison of head morphology, trophic position and habitat use in Norwegian threespine stickleback populations. BMC Evolutionary Biology, 2016, 16, 102.	3.2	14
85	Chlorophyllâ€a concentrations and macroinvertebrate declines coincide with the collapse of overwintering diving duck populations in a large eutrophic lake. Freshwater Biology, 2014, 59, 249-256.	1.2	13
86	Seeking the sun in deep, dark places: mesopelagic sightings of ocean sunfishes (Molidae). Journal of Fish Biology, 2015, 87, 1118-1126.	0.7	13
87	Diversity of feeding strategies in loggerhead sea turtles from the Cape Verde archipelago. Marine Biology, 2019, 166, 1.	0.7	13
88	Where the Lake Meets the Sea: Strong Reproductive Isolation Is Associated with Adaptive Divergence between Lake Resident and Anadromous Three-Spined Sticklebacks. PLoS ONE, 2015, 10, e0122825.	1.1	12
89	Unravelling the macro-evolutionary ecology of fishâ€"jellyfish associations: life in the â€˜gingerbread houseâ€™. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182325.	1.2	12
90	Conservation of the vendace (Coregonus albula), the U.K.â€™s rarest freshwater fish. Advances in Limnology, 2012, 63, 547-559.	0.4	12

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91	Clarifying a trophic black box: stable isotope analysis reveals unexpected dietary variation in the Peruvian anchovy Engraulis ringens. PeerJ, 2019, 7, e6968.	0.9	11
92	Food consumption rates of piscivorous brown trout (Salmo trutta) foraging on contrasting coregonid prey. Fisheries Management and Ecology, 2015, 22, 295-306.	1.0	10
93	Southernmost distribution limit for endangered Peladillas (Aplochiton taeniatus) and nonâ€native coho salmon (Oncorhynchus kisutch) coexisting within the Cape Horn biosphere reserve, Chile. Journal of Fish Biology, 2020, 96, 1495-1500.	0.7	10
94	Ongoing niche differentiation under high gene flow in a polymorphic brackish water threespine stickleback (Gasterosteus aculeatus) population. BMC Evolutionary Biology, 2018, 18, 14.	3.2	9
95	Diet Composition and Isotopic Analysis of Nine Important Fisheries Resources in the Eastern Adriatic Sea (Mediterranean). Frontiers in Marine Science, 2021, 8, .	1.2	9
96	Living to the range limit: consumer isotopic variation increases with environmental stress. PeerJ, 2016, 4, e2034.	0.9	9
97	Has habitat heterogeneity promoted phenotypic and ecological subâ€structuring among a Coregonus lavaretus population in a large Scottish lake?. Journal of Fish Biology, 2010, 77, 2391-2404.	0.7	8
98	Carbon and nitrogen stable isotopes reveal the use of pelagic resources by the invasive Ponto-Caspian mysidLimnomysis benedeni. Isotopes in Environmental and Health Studies, 2013, 49, 312-317.	0.5	8
99	Trophic ecology of piscivorous Arctic charr (Salvelinus alpinus (L.)) in subarctic lakes with contrasting food-web structures. Hydrobiologia, 2019, 840, 227-243.	1.0	8
100	Population niche breadth and individual trophic specialisation of fish along a climate-productivity gradient. Reviews in Fish Biology and Fisheries, 2021, 31, 1025-1043.	2.4	8
101	A method test of the use of electric shock treatment to control invasive signal crayfish in streams. Aquatic Conservation: Marine and Freshwater Ecosystems, 2015, 25, 874-880.	0.9	7
102	Ecology and Conservation of Sea Turtles in Chile. Chelonian Conservation and Biology, 2015, 14, 21-33.	0.1	7
103	<scp>NEOTROPICAL FRESHWATER FISHES</scp>: A dataset of occurrence and abundance of freshwater fishes in the Neotropics. Ecology, 2023, 104, e3713.	1.5	7
104	Tracing trophic pathways through the marine ecosystem of Rapa Nui (Easter Island). Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 304-323.	0.9	6
105	Mixed-stock analyses of migratory, non-native Chinook salmon at sea and assignment to natal sites in fresh water at their introduced range in South America. Biological Invasions, 2020, 22, 3175-3182.	1.2	5
106	Winter ecology of specialist and generalist morphs of European whitefish, Coregonus lavaretus, in subarctic northern Europe. Journal of Fish Biology, 2022, 101, 389-399.	0.7	5
107	Isometric growth in the world's largest bony fishes (genus Mola)? Morphological insights from fisheries bycatch data. Journal of Morphology, 2018, 279, 1312-1320.	0.6	4
108	Sample acidification has a predictable effect on isotopic ratios of particulate organic matter along the Chilean coast. Rapid Communications in Mass Spectrometry, 2019, 33, 1652-1659.	0.7	4

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109	The trophic ecology of partial migration: insights from Merluccius australis off NW Patagonia. ICES Journal of Marine Science, 2020, 77, 1927-1940.	1.2	4
110	Hemimysis anomala G.O. Sars, 1907 expands its invasive range to Northern Ireland. BioInvasions Records, 2015, 4, 43-46.	0.4	4
111	Parasitism, space constraints, and gonad asymmetry in the pollan (Coregonus autumnalis). Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 2796-2801.	0.7	3
112	Editorial: Marine Microbiome and Biogeochemical Cycles in Marine Productive Areas. Frontiers in Marine Science, 2019, 6, .	1.2	3
113	Chilean Salmon Sushi: Genetics Reveals Product Mislabeling and a Lack of Reliable Information at the Point of Sale. Foods, 2020, 9, 1699.	1.9	3
114	Biological influences on inter- and intraspecific isotopic variability among paired chondrostome fishes. Comptes Rendus - Biologies, 2010, 333, 613-621.	0.1	2
115	The complete mitochondrial genome of the rocky reef fish Cheilodactylus variegatus Valenciennes, 1833 (Teleostei: Cheilodactylidae). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 2359-2360.	0.7	1
116	Evaluating the adaptive potential of the European eel: is the immunogenetic status recovering?. PeerJ, 2016, 4, e1868.	0.9	1
117	Sighting of a Southern elephant seal <i>Mirounga leonina</i> in the TolteÃ©n River, southern Chile. Revista De Biologia Marina Y Oceanografia, 2019, 53, 375.	0.1	1
118	Soil Î´13C and Î´15N baselines clarify biogeographic heterogeneity in isotopic discrimination of European badgers (Meles meles). Scientific Reports, 2022, 12, 200.	1.6	1
119	Stable isotope analysis reveal hidden reliance on scyphozoan jellyfish in a commensal fish: editorial comment on the feature article by Dâ€™Ambra et al.. Marine Biology, 2015, 162, 245-246.	0.7	0
120	Shifts in maternal foraging strategies during pregnancy promote offspring health and survival in a marine top predator. Oecologia, 2022, 199, 343-354.	0.9	0