Bruno Ernande

List of Publications by Year
in descending order

50	4,042	172457	189892
papers	citations	29 h-index	50 g-index

51	51	51	4677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maturation trends indicative of rapid evolution preceded the collapse of northern cod. Nature, 2004, 428, 932-935.	27.8	703
2	Ecology: Managing Evolving Fish Stocks. Science, 2007, 318, 1247-1248.	12.6	552
3	Evaluation of the impact of polyethylene microbeads ingestion in European sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Over	2.5	289
4	Adaptive changes in harvested populations: plasticity and evolution of age and size at maturation. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 415-423.	2.6	240
5	The logic of skipped spawning in fish. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 200-211.	1.4	220
6	Summer mortality of hatchery-produced Pacific oyster spat (Crassostrea gigas). I. Estimation of genetic parameters for survival and growth. Aquaculture, 2007, 262, 41-53.	3.5	153
7	Evolutionary impact assessment: accounting for evolutionary consequences of fishing in an ecosystem approach to fisheries management. Fish and Fisheries, 2014, 15, 65-96.	5.3	119
8	Trade-offs in phenotypic traits: endurance at birth, growth, survival, predation and susceptibility to parasitism in a lizard,Lacerta vivipara. Functional Ecology, 2000, 14, 675-684.	3.6	117
9	Predictive systems ecology. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131452.	2.6	114
10	Plasticity in resource allocation based life history traits in the Pacific oyster, Crassostrea gigas. I. Spatial variation in food abundance. Journal of Evolutionary Biology, 2003, 17, 342-356.	1.7	103
11	Can fisheries-induced evolution shift reference points for fisheries management?. ICES Journal of Marine Science, 2013, 70, 707-721.	2.5	102
12	ORIGINAL ARTICLE: Sizeâ€selective fishing gear and life history evolution in the Northeast Arctic cod. Evolutionary Applications, 2009, 2, 356-370.	3.1	100
13	The evolution of phenotypic plasticity in spatially structured environments: implications of intraspecific competition, plasticity costs and environmental characteristics. Journal of Evolutionary Biology, 2004, 17, 613-628.	1.7	98
14	Benthic and fish aggregation inside an offshore wind farm: Which effects on the trophic web functioning?. Ecological Indicators, 2017, 72, 33-46.	6.3	89
15	Reorganization of a marine trophic network along an inshoreâ€“offshore gradient due to stronger pelagicâ€“benthic coupling in coastal areas. Progress in Oceanography, 2015, 130, 157-171.	3.2	71
16	Modelling species distributions using regression quantiles. Journal of Applied Ecology, 2008, 45, 204-217.	4.0	69
17	Genetic polymorphism and tradeâ€offs in the early lifeâ€history strategy of the Pacific oyster, Crassostrea gigas (Thunberg, 1795): a quantitative genetic study. Journal of Evolutionary Biology, 2003, 16, 399-414.	1.7	56
18	Sagittal otolith morphogenesis asymmetry in marine fishes. Journal of Fish Biology, 2015, 87, 646-663.	1.6	54

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19	Underestimation of chemical contamination in marine fish muscle tissue can be reduced by considering variable wet:dry weight ratios. Marine Pollution Bulletin, 2017, 123, 279-285.	5.0	52
20	Phenotypic and genetic consequences of size selection at the larval stage in the Pacific oyster (Crassostrea gigas). Journal of Experimental Marine Biology and Ecology, 2006, 333, 147-158.	1.5	51
21	Fisheriesâ€induced neutral and adaptive evolution in exploited fish populations and consequences for their adaptive potential. Evolutionary Applications, 2015, 8, 47-63.	3.1	47
22	Depth gradient in the resource use of a fish community from a semiâ€enclosed sea. Limnology and Oceanography, 2017, 62, 2213-2226.	3.1	47
23	Fish life-history traits are affected after chronic dietary exposure to an environmentally realistic marine mixture of PCBs and PBDEs. Science of the Total Environment, 2018, 610-611, 531-545.	8.0	43
24	Reproductive effort and growth in Crassostrea gigas: comparison of young diploid and triploid oysters issued from natural crosses or chemical induction. Aquatic Biology, 2009, 7, 229-241.	1.4	42
25	Regime Shift in an Exploited Fish Community Related to Natural Climate Oscillations. PLoS ONE, 2015, 10, e0129883.	2.5	38
26	Directional bilateral asymmetry in otolith morphology may affect fish stock discrimination based on otolith shape analysis. ICES Journal of Marine Science, 2019, 76, 232-243.	2.5	36
27	Diet is correlated with otolith shape in marine fish. Marine Ecology - Progress Series, 2016, 555, 167-184.	1.9	35
28	Temporal trends in age and size at maturation of four North Sea gadid species: cod, haddock, whiting and Norway pout. Marine Ecology - Progress Series, 2014, 497, 179-197.	1.9	34
29	Measuring sensitivity of two OSPAR indicators for a coastal food web model under offshore wind farm construction. Ecological Indicators, 2019, 96, 728-738.	6.3	34
30	The Channel habitat atlas for marine resource management (CHARM): an aid for planning and decision-making in an area under strong anthropogenic pressure. Aquatic Living Resources, 2009, 22, 499-508.	1.2	33
31	Spatial variation in growth, maturation schedules and reproductive investment of female sole Solea solea in the Northeast Atlantic. Journal of Sea Research, 2013, 84, 109-121.	1.6	28
32	Hypoxia tolerance of common sole juveniles depends on dietary regime and temperature at the larval stage: evidence for environmental conditioning. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20123022.	2.6	28
33	Impact of Environmental Covariation in Growth and Mortality on Evolving Maturation Reaction Norms. American Naturalist, 2011, 177, E98-E118.	2.1	27
34	Importance and future of individual markers for the ecosystem approach to fisheries. Aquatic Living Resources, 2009, 22, 395-408.	1.2	25
35	Individual diet variation in a marine fish assemblage: Optimal Foraging Theory, Niche Variation Hypothesis and functional identity. Journal of Sea Research, 2017, 120, 60-71.	1.6	24
36	Moderate hypoxia but not warming conditions at larval stage induces adverse carry-over effects on hypoxia tolerance of European sea bass (Dicentrarchus labrax) juveniles. Marine Environmental Research, 2018, 138, 28-35.	2.5	18

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37	A new application of principal response curves for summarizing abrupt and cyclic shifts of communities over space. Ecosphere, 2017, 8, e02023.	2.2	17
38	Estimating age at maturation and energy-based life-history traits from individual growth trajectories with nonlinear mixed-effects models. Oecologia, 2013, 172, 631-643.	2.0	16
39	Multiple growth-correlated life history traits estimated simultaneously in individuals. Oikos, 2010, 119, 10-26.	2.7	15
40	Individual growth variation and its relationship with survival in juvenile Pacific oysters,Crassostrea gigas(Thunberg). Aquaculture International, 2003, 11, 429-448.	2.2	13
41	Directional Bilateral Asymmetry in Fish Otolith: A Potential Tool to Evaluate Stock Boundaries?. Symmetry, 2021, 13, 987.	2.2	13
42	Spatial and temporal adjustments in gill and palp size in the oysterCrassostrea gigas. Journal of Molluscan Studies, 2017, 83, 11-18.	1.2	12
43	Plasticity of trophic interactions in fish assemblages results in temporal stability of benthic-pelagic couplings. Marine Environmental Research, 2021, 170, 105412.	2.5	12
44	Cause or consequence? Exploring the role of phenotypic plasticity and genetic polymorphism in the emergence of phenotypic spatial patterns of the European eel. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 987-999.	1.4	10
45	North Sea saithe Pollachius virens growth in relation to food availability, density dependence and temperature. Marine Ecology - Progress Series, 2016, 542, 141-151.	1.9	9
46	Complementarity and discriminatory power of genotype and otolith shape in describing the fine-scale population structure of an exploited fish, the common sole of the Eastern English Channel. PLoS ONE, 2020, 15, e0241429.	2.5	8
47	New scale analyses reveal centenarian African coelacanths. Current Biology, 2021, 31, 3621-3628.e4.	3.9	7
48	Utility of mixed effects models to inform the stock structure of whiting in the Northeast Atlantic Ocean. Fisheries Research, 2017, 190, 132-139.	1.7	6
49	Isotopic analyses, a good tool to validate models in the context of Marine Renewable Energy development and cumulative impacts. Estuarine, Coastal and Shelf Science, 2020, 237, 106690.	2.1	5
50	Environmental drivers of herring growth and how the perception shifts with time series length. Canadian Journal of Fisheries and Aquatic Sciences, 0, , .	1.4	2