Thierry Oberdorff

List of Publications by Year
in descending order

98 papers	12,086 citations	36303 51 h-index	39675 94 g-index
101 all docs	101 docs citations	101 times ranked	13173 citing authors

#	Article	IF	Citations
1	Geomorphological diversity of rivers in the Amazon Basin. Geomorphology, 2022, 400, 108078.	2.6	4
2	Reducing adverse impacts of Amazon hydropower expansion. Science, 2022, 375, 753-760.	12.6	60
3	Drivers of phylogenetic structure in Amazon freshwater fish assemblages. Journal of Biogeography, 2022, 49, 310-323.	3.0	3
4	Scientistsâ€™ warning to humanity on the freshwater biodiversity crisis. Ambio, 2021, 50, 85-94.	5.5	387
5	The representativeness of protected areas for Amazonian fish diversity under climate change. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 1158-1166.	2.0	9
6	The combined effects of climate change and river fragmentation on the distribution of Andean Amazon fishes. Global Change Biology, 2020, 26, 5509-5523.	9.5	50
7	Post-2020 biodiversity targets need to embrace climate change. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30882-30891.	7.1	160
8	A database of freshwater fish species of the Amazon Basin. Scientific Data, 2020, 7, 96.	5.3	69
9	Freshwater fish diversity hotspots for conservation priorities in the Amazon Basin. Conservation Biology, 2020, 34, 956-965.	4.7	55
10	Applications of IBI Concepts and Metrics to Waters Outside the United States and Canada. , 2020, , 79-93.		10
11	A comprehensive examination of the network position hypothesis across multiple river metacommunities. Ecography, 2019, 42, 284-294.	4.5	54
12	Global biogeographical regions of freshwater fish species. Journal of Biogeography, 2019, 46, 2407-2419.	3.0	61
13	Unexpected fish diversity gradients in the Amazon basin. Science Advances, 2019, 5, eaav8681.	10.3	88
14	Drainage network position and historical connectivity explain global patterns in freshwater fishesâ€™ range size. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13434-13439.	7.1	69
15	Flow alterations by dams shaped fish assemblage dynamics in the complex Mekong-3S river system. Ecological Indicators, 2018, 88, 103-114.	6.3	73
16	Biological impacts of local vs. regional land use on a small tributary of the Seine River (France): insights from a food web approach based on stable isotopes. Environmental Science and Pollution Research, 2018, 25, 23583-23594.	5.3	4
17	Fish assemblage responses to flow seasonality and predictability in a tropical flood pulse system. Ecosphere, 2018, 9, e02366.	2.2	24
18	Nonâ€native species led to marked shifts in functional diversity of the world freshwater fish faunas. Ecology Letters, 2018, 21, 1649-1659.	6.4	74

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19	Freshwater Vertebrates. , 2018, , 208-239.		0
20	Anthropogenic stressors and riverine fish extinctions. Ecological Indicators, 2017, 79, 37-46.	6.3	80
21	Contextâ€dependent resistance of freshwater invertebrate communities to drying. Ecology and Evolution, 2017, 7, 3201-3211.	1.9	17
22	A global database on freshwater fish species occurrence in drainage basins. Scientific Data, 2017, 4, 170141.	5.3	145
23	Metacommunity patterns across three Neotropical catchments with varying environmental harshness. Freshwater Biology, 2016, 61, 277-292.	2.4	58
24	Environmental correlates of body size distribution in Cyprinidae (Actinopterygians) depend on phylogenetic scale. Ecology of Freshwater Fish, 2016, 25, 125-132.	1.4	5
25	International Perspectives on the Effects of Climate Change on Inland Fisheries. Fisheries, 2016, 41, 399-405.	0.8	29
26	Determinants of local and regional communities in intermittent and perennial headwaters of the Bolivian Amazon. Freshwater Biology, 2016, 61, 1335-1349.	2.4	54
27	Worldwide freshwater fish homogenization is driven by a few widespread non-native species. Biological Invasions, 2016, 18, 1295-1304.	2.4	63
28	Stable isotopes reveal food web modifications along the upstreamâ€“downstream gradient of a temperate stream. Aquatic Sciences, 2016, 78, 255-265.	1.5	8
29	Â¿QuÃ© factores determinan la distribuciÃ³n altitudinal de los peces de rÃos tropicales andinos?. Revista De Biologia Tropical, 2016, 64, 157.	0.4	11
30	COMPARACIÃ“N DE LAS COMUNIDADES DE MACROINVERTEBRADOS ACUÃ‰TICOS EN RÃOS INTERMITENTES Y PERMANENTES DEL ALTIPLANO BOLIVIANO: IMPLICACIONES PARA EL FUTURO CAMBIO CLIMÃ‰TICO. EcologÃa Aplicada, 2016, 8, 105.	0.2	6
31	Opinion Paper: how vulnerable are Amazonian freshwater fishes to ongoing climateÂchange?. Journal of Applied Ichthyology, 2015, 31, 4-9.	0.7	41
32	From current distinctiveness to future homogenization of the world's freshwater fish faunas. Diversity and Distributions, 2015, 21, 223-235.	4.1	32
33	Multiâ€causality and spatial nonâ€stationarity in the determinants of groundwater crustacean diversity in Europe. Ecography, 2015, 38, 531-540.	4.5	44
34	Historical assemblage distinctiveness and the introduction of widespread nonâ€native species explain worldwide changes in freshwater fish taxonomic dissimilarity. Global Ecology and Biogeography, 2014, 23, 574-584.	5.8	44
35	Fish-AMAZBOL: a database on freshwater fishes of the Bolivian Amazon. Hydrobiologia, 2014, 732, 19.	2.0	6
36	Interacting Regional-Scale Regime Shifts for Biodiversity and Ecosystem Services. BioScience, 2014, 64, 665-679.	4.9	41

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37	Global imprint of historical connectivity on freshwater fish biodiversity. Ecology Letters, 2014, 17, 1130-1140.	6.4	121
38	A scenario for impacts of water availability loss due to climate change on riverine fish extinction rates. Journal of Applied Ecology, 2013, 50, 1105-1115.	4.0	90
39	Fish-SPRICH: a database of freshwater fish species richness throughout the World. Hydrobiologia, 2013, 700, 343-349.	2.0	73
40	Natural fragmentation in river networks as a driver of speciation for freshwater fishes. Ecography, 2013, 36, 683-689.	4.5	84
41	Global diversity patterns and crossâ€taxa convergence in freshwater systems. Journal of Animal Ecology, 2013, 82, 365-376.	2.8	105
42	Variability of water temperature may influence food-chain length in temperate streams. Hydrobiologia, 2013, 718, 159-172.	2.0	14
43	Effects of natural hydrological variability on fish assemblages in small Mediterranean streams: Implications for ecological assessment. Ecological Indicators, 2012, 23, 467-481.	6.3	30
44	Young-of-the-year fish assemblages as indicators of anthropogenic disturbances in large tributaries of the Seine River Basin (France). Hydrobiologia, 2012, 694, 99-116.	2.0	6
45	Patterns and processes of global riverine fish endemism. Global Ecology and Biogeography, 2012, 21, 977-987.	5.8	75
46	A comparison of modeling techniques to predict juvenile 0+ fish species occurrences in a large river system. Ecological Informatics, 2011, 6, 276-285.	5.2	33
47	Macroinvertebrate-based multimetric predictive models for evaluating the human impact on biotic condition of Bolivian streams. Ecological Indicators, 2011, 11, 840-847.	6.3	122
48	Global and Regional Patterns in Riverine Fish Species Richness: A Review. International Journal of Ecology, 2011, 2011, 1-12.	0.8	106
49	Partitioning global patterns of freshwater fish beta diversity reveals contrasting signatures of past climate changes. Ecology Letters, 2011, 14, 325-334.	6.4	260
50	Identifying climatic niche shifts using coarse-grained occurrence data: a test with non-native freshwater fish. Global Ecology and Biogeography, 2011, 20, 407-414.	5.8	49
51	Effects of natural rapids and waterfalls on fish assemblage structure in the Madeira River (Amazon) Tj ETQq1 1 0.784314 rgBT /Overlo	1.4	76
52	Macroinvertebrate food web structure in a floodplain lake of the Bolivian Amazon. Hydrobiologia, 2011, 663, 135-153.	2.0	20
53	Homogenization patterns of the worldâ€™s freshwater fish faunas. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18003-18008.	7.1	197
54	Nonâ€native species disrupt the worldwide patterns of freshwater fish body size: implications for Bergmannâ€™s rule. Ecology Letters, 2010, 13, 421-431.	6.4	88

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55	Scenarios for Global Biodiversity in the 21st Century. Science, 2010, 330, 1496-1501.	12.6	1,570
56	Broad-scale determinants of non-native fish species richness are context-dependent. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2385-2394.	2.6	49
57	Spatial speciesâ€richness gradients across scales: a metaâ€analysis. Journal of Biogeography, 2009, 36, 132-147.	3.0	573
58	Convergence of temperate and tropical stream fish assemblages. Ecography, 2009, 32, 658-670.	4.5	91
59	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and nonâ€spatial regression. Ecography, 2009, 32, 193-204.	4.5	231
60	Scientific uncertainty and the assessment of risks posed by nonâ€native freshwater fishes. Fish and Fisheries, 2009, 10, 88-97.	5.3	121
61	Genusâ€level supertree of Cyprinidae (Actinopterygii: Cypriniformes), partitioned qualitative clade support and test of macroâ€evolutionary scenarios. Biological Reviews, 2009, 84, 653-689.	10.4	25
62	PrÃ©server la biodiversitÃ© des poissons dâ€™eau douce : un dÃ©fi pour les pays du Sud. Cahiers Agricultures, 2009, 18, 302-302.	0.9	0
63	Global diversity of fish (Pisces) in freshwater. Hydrobiologia, 2008, 595, 545-567.	2.0	349
64	Using macroinvertebrate biological traits for assessing biotic integrity of neotropical streams. River Research and Applications, 2008, 24, 1230-1239.	1.7	77
65	Controlling for natural variability in assessing the response of fish metrics to human pressures for lakes in northâ€east USA. Aquatic Conservation: Marine and Freshwater Ecosystems, 2008, 18, 633-646.	2.0	17
66	Fish Invasions in the World's River Systems: When Natural Processes Are Blurred by Human Activities. PLoS Biology, 2008, 6, e28.	5.6	324
67	Distribution patterns, population status and conservation of Melanosuchus niger and Caiman yacare (Crocodylia, Alligatoridae) in oxbow lakes of the Ichilo river floodplain, Bolivia. Revista De Biologia Tropical, 2008, 56, 909-29.	0.4	4
68	Longitudinal and altitudinal changes of macroinvertebrate functional feeding groups in neotropical streams: a test of the River Continuum Concept. Fundamental and Applied Limnology, 2007, 170, 233-241.	0.7	71
69	Dietary-morphological relationships in fish assemblages of small forested streams in the Bolivian Amazon. Aquatic Living Resources, 2007, 20, 131-142.	1.2	33
70	Local-scale speciesâ€“energy relationships in fish assemblages of some forested streams of the Bolivian Amazon. Comptes Rendus - Biologies, 2007, 330, 255-264.	0.2	19
71	Fish community comparisons along environmental gradients in lakes of France and north-east USA. Global Ecology and Biogeography, 2007, 16, 350-366.	5.8	42
72	Fish assemblages structure and function along environmental gradients in rivers of Gabon (Africa). Ecology of Freshwater Fish, 2007, 16, 315-334.	1.4	65

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73	Initial development of a multi-metric index based on aquatic macroinvertebrates to assess streams condition in the Upper Isiboro-SÃ©cure Basin, Bolivian Amazon. Hydrobiologia, 2007, 589, 107-116.	2.0	51
74	A fish-based index of large river quality for French Guiana (South America): method and preliminary results. Aquatic Living Resources, 2006, 19, 31-46.	1.2	24
75	Effects of natural and anthropogenic environmental changes on riverine fish assemblages: a framework for ecological assessment of rivers. Brazilian Archives of Biology and Technology, 2005, 48, 91-108.	0.5	105
76	Evidence of history in explaining diversity patterns in tropical riverine fish. Journal of Biogeography, 2005, 32, 1899-1907.	3.0	65
77	Modelling habitat requirement of European fishes: do species have similar responses to local and regional environmental constraints?. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 163-173.	1.4	111
78	Predictions and tests of climate-based hypotheses of broad-scale variation in taxonomic richness. Ecology Letters, 2004, 7, 1121-1134.	6.4	1,011
79	Native and introduced fish species richness in French lakes: local and regional influences. Global Ecology and Biogeography, 2004, 13, 335-344.	5.8	48
80	Density-range size relationships in French riverine fishes. Oecologia, 2004, 138, 360-370.	2.0	64
81	ENERGY, WATER, AND BROAD-SCALE GEOGRAPHIC PATTERNS OF SPECIES RICHNESS. Ecology, 2003, 84, 3105-3117.	3.2	1,868
82	Development and validation of a fish-based index for the assessment of â€˜river healthâ€™ in France. Freshwater Biology, 2002, 47, 1720-1734.	2.4	234
83	A probabilistic model characterizing fish assemblages of French rivers: a framework for environmental assessment. Freshwater Biology, 2001, 46, 399-415.	2.4	209
84	Is assemblage variability related to environmental variability? An answer for riverine fish. Oikos, 2001, 93, 419-428.	2.7	75
85	Patterns of endemism in riverine fish of the Northern Hemisphere. Ecology Letters, 1999, 2, 75-81.	6.4	56
86	Influence of some topographical variables on the spatial distribution of lake fish during summer stratification. Fundamental and Applied Limnology, 1999, 145, 359-371.	0.7	21
87	Energy availability and habitat heterogeneity predict global riverine fish diversity. Nature, 1998, 391, 382-384.	27.8	302
88	Nonâ€interactive fish communities in the coastal streams of Northâ€western France. Journal of Animal Ecology, 1998, 67, 472-484.	2.8	85
89	Predicting local fish species richness in the garonne river basin. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1998, 321, 423-428.	0.8	17
90	Is there an influence of historical events on contemporary fish species richness in rivers? Comparisons between Western Europe and North America. Journal of Biogeography, 1997, 24, 461-467.	3.0	113

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91	An index of biotic integrity to assess biological impacts of salmonid farm effluents on receiving waters. Aquaculture, 1994, 119, 219-235.	3.5	53
92	Patterns of fish species richness in the Seine River basin, France. Hydrobiologia, 1993, 259, 157-167.	2.0	106
93	Fish assemblage structure in Brittany streams (France). Aquatic Living Resources, 1992, 5, 215-223.	1.2	27
94	Modification of an index of biotic integrity based on fish assemblages to characterize rivers of the Seine Basin, France. Hydrobiologia, 1992, 228, 117-130.	2.0	212
95	Karyotypic study of some species of family Mochokidae (Pisces, Siluriformes): evidence of female heterogamety. Journal of Fish Biology, 1990, 37, 375-381.	1.6	11
96	Chromosome Banding in African Catfishes: Nucleolar Organizer Regions in Five Species of the GenusSynodontisand One of the GenusHemisynodontis(Pisces, Mochokidae). Caryologia, 1990, 43, 9-16.	0.3	3
97	Metadata description of the AMAZON FISH database. Freshwater Metadata Journal, 0, , 1-9.	0.0	4
98	Metadata description of the Ictioplata database: a fish distribution database for the La Plata drainage basin. Freshwater Metadata Journal, 0, , 1-6.	0.0	3