

Leonard Sandin

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.

74
papers

3,646
citations

31
h-index

60
g-index

75
ext. papers

4,026
ext. citations

3.3
avg, IF

5.08
L-index

#	Paper	IF	Citations
74	Interactive effects of land use, river regulation, and climate on a key recreational fishing species in temperate and boreal streams. <i>Freshwater Biology</i> , 2021 , 66, 1901-1914	3.1	0
73	Gaps in current Baltic Sea environmental monitoring - Science versus management perspectives. <i>Marine Pollution Bulletin</i> , 2020 , 160, 111669	6.7	1
72	Country-wide analysis of large wood as a driver of fish abundance in Swedish streams: Which species benefit and where?. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019 , 29, 706-716	2.6	4
71	Flow restoration and the impacts of multiple stressors on fish communities in regulated rivers. <i>Journal of Applied Ecology</i> , 2019 , 56, 1687-1702	5.8	11
70	Effects of shoreline alteration and habitat heterogeneity on macroinvertebrate community composition across European lakes. <i>Ecological Indicators</i> , 2019 , 98, 285-296	5.8	11
69	Species traits reveal effects of land use, season and habitat on the potential subsidy of stream invertebrates to terrestrial food webs. <i>Aquatic Sciences</i> , 2018 , 80, 1	2.5	15
68	Nature-like fishways as compensatory lotic habitats. <i>River Research and Applications</i> , 2018 , 34, 253-261	2.3	10
67	Responses of macroinvertebrate communities to small dam removals: Implications for bioassessment and restoration. <i>Journal of Applied Ecology</i> , 2018 , 55, 1896-1907	5.8	25
66	Decomposing multiple pressure effects on invertebrate assemblages of boreal streams. <i>Ecological Indicators</i> , 2017 , 77, 293-303	5.8	9
65	Strong land-use effects on the dispersal patterns of adult stream insects: implications for transfers of aquatic subsidies to terrestrial consumers. <i>Freshwater Biology</i> , 2016 , 61, 848-861	3.1	33
64	Benthic macroinvertebrates in lake ecological assessment: A review of methods, intercalibration and practical recommendations. <i>Science of the Total Environment</i> , 2016 , 543, 123-134	10.2	55
63	A hitchhiker's guide to European lake ecological assessment and intercalibration. <i>Ecological Indicators</i> , 2015 , 52, 533-544	5.8	74
62	A comparative analysis reveals weak relationships between ecological factors and beta diversity of stream insect metacommunities at two spatial levels. <i>Ecology and Evolution</i> , 2015 , 5, 1235-48	2.8	132
61	An index of human alteration of lake shore morphology. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015 , 25, 353-364	2.6	9
60	Impacts of habitat degradation and stream spatial location on biodiversity in a disturbed riverine landscape. <i>Biodiversity and Conservation</i> , 2015 , 24, 1423-1441	3.4	15
59	Quantifying spatial scaling patterns and their local and regional correlates in headwater streams: implications for resilience. <i>Ecology and Society</i> , 2014 , 19,	4.1	10
58	A trait-based approach to assess climate change sensitivity of freshwater invertebrates across Swedish ecoregions. <i>Environmental Epigenetics</i> , 2014 , 60, 221-232	2.4	27

57	Headwater biodiversity among different levels of stream habitat hierarchy. <i>Biodiversity and Conservation</i> , 2014 , 23, 63-80	3.4	7
56	Changing Northern catchments: Is altered hydrology, temperature or both going to shape future stream communities and ecosystem processes?. <i>Hydrological Processes</i> , 2013 , 27, 734-740	3.3	21
55	Morphological alterations of lake shores in Europe: A multimetric ecological assessment approach using benthic macroinvertebrates. <i>Ecological Indicators</i> , 2013 , 34, 398-410	5.8	41
54	Metacommunity structure in a small boreal stream network. <i>Journal of Animal Ecology</i> , 2013 , 82, 449-584	4.7	99
53	Does lake habitat alteration and land-use pressure homogenize European littoral macroinvertebrate communities?. <i>Journal of Applied Ecology</i> , 2013 , 50, 1010-1018	5.8	38
52	Assessing the relationship between the Lake Habitat Survey and littoral macroinvertebrate communities in European lakes. <i>Ecological Indicators</i> , 2013 , 25, 205-214	5.8	37
51	Effects of Dispersal-Related Factors on Species Distribution Model Accuracy for Boreal Lake Ecosystems. <i>Diversity</i> , 2013 , 5, 393-408	2.5	6
50	The influence of environmental, biotic and spatial factors on diatom metacommunity structure in Swedish headwater streams. <i>PLoS ONE</i> , 2013 , 8, e72237	3.7	61
49	The importance of spatial variation of benthic invertebrates for the ecological assessment of European lakes. <i>Fundamental and Applied Limnology</i> , 2012 , 180, 85-89	1.9	23
48	Catchment land-use effects on littoral macroinvertebrates in response to local habitat structure and trophic state. <i>Fundamental and Applied Limnology</i> , 2012 , 180, 111-121	1.9	15
47	Spatial variation in lake benthic macroinvertebrate ecological assessment: a synthesis of European case studies. <i>Fundamental and Applied Limnology</i> , 2012 , 180, 185-191	1.9	4
46	Climate Change and the Hydrology and Morphology of Freshwater Ecosystems 2010 , 65-83		9
45	Monitoring the Responses of Freshwater Ecosystems to Climate Change 2010 , 84-118		14
44	Towards an assessment of multiple ecosystem processes and services via functional traits. <i>Biodiversity and Conservation</i> , 2010 , 19, 2873-2893	3.4	597
43	Littoral macroinvertebrates as indicators of lake acidification within the UK. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010 , 20, S105-S116	2.6	33
42	The effects of catchment land-use, near-stream vegetation, and river hydromorphology on benthic macroinvertebrate communities in a south-Swedish catchment. <i>Fundamental and Applied Limnology</i> , 2009 , 174, 75-87	1.9	20
41	Effects of nutrient enrichment on C and N stable isotope ratios of invertebrates, fish and their food resources in boreal streams. <i>Hydrobiologia</i> , 2009 , 628, 67-79	2.4	27
40	Freshwater ecosystem structure-function relationships: from theory to application. <i>Freshwater Biology</i> , 2009 , 54, 2017-2024	3.1	60

39	Indicators of biodiversity and ecosystem services: a synthesis across ecosystems and spatial scales. <i>Oikos</i> , 2009 , 118, 1862-1871	4	188
38	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. <i>BioScience</i> , 2009 , 59, 223-235	5.7	261
37	Assessing the effects of hydromorphological degradation on macroinvertebrate indicators in rivers: examples, constraints, and outlook. <i>Integrated Environmental Assessment and Management</i> , 2009 , 5, 86-96	5.5	29
36	Climate Change and the Future of Freshwater Biodiversity in Europe: A Primer for Policy-Makers. <i>Freshwater Reviews: A Journal of the Freshwater Biological Association</i> , 2009 , 2, 103-130		62
35	Rivers of the Central European Highlands and Plains 2009 , 525-576		12
34	The relationship between land-use, hydromorphology and river biota at different spatial and temporal scales: a synthesis of seven case studies. <i>Fundamental and Applied Limnology</i> , 2009 , 174, 1-5	1.9	14
33	Macroinvertebrate indicators of lake acidification: analysis of monitoring data from UK, Norway and Sweden. <i>Aquatic Ecology</i> , 2008 , 42, 293-305	1.9	36
32	Ecological relationships between stream communities and spatial scale: implications for designing catchment-level monitoring programmes. <i>Freshwater Biology</i> , 2007 , 52, 939-958	3.1	124
31	Effects of nutrient enrichment on boreal streams: invertebrates, fungi and leaf-litter breakdown. <i>Freshwater Biology</i> , 2007 , 52, 1618-1633	3.1	37
30	Assessing the ecological integrity of boreal streams: a comparison of functional and structural responses. <i>Fundamental and Applied Limnology</i> , 2007 , 168, 113-125	1.9	27
29	Biological Monitoring of North European Rivers. <i>Water Quality Measurements Series</i> , 2006 , 277-293		
28	The effects of organic enrichment on leaf litter breakdown in three boreal streams. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2006 , 29, 1362-1366		
27	Relationships among biological elements (macrophytes, macroinvertebrates and ichthyofauna) for different core river types across Europe at two different spatial scales. <i>Hydrobiologia</i> , 2006 , 566, 75-90	2.4	16
26	Stream and river typologies [major results and conclusions from the STAR project. <i>Hydrobiologia</i> , 2006 , 566, 33-37	2.4	28
25	Estimates and comparisons of the effects of sampling variation using national macroinvertebrate sampling protocols on the precision of metrics used to assess ecological status. <i>Hydrobiologia</i> , 2006 , 566, 477-503	2.4	31
24	Effects of sampling and sub-sampling variation using the STAR-AQEM sampling protocol on the precision of macroinvertebrate metrics. <i>Hydrobiologia</i> , 2006 , 566, 441-459	2.4	43
23	Comparison of macroinvertebrate sampling methods in Europe. <i>Hydrobiologia</i> , 2006 , 566, 365-378	2.4	44
22	Biological quality metrics: their variability and appropriate scale for assessing streams. <i>Hydrobiologia</i> , 2006 , 566, 153-172	2.4	30

21	The ecological status of European rivers: evaluation and intercalibration of assessment methods. <i>Hydrobiologia</i> , 2006 , 566, 1-2	2.4	33
20	Effects of sampling and sub-sampling variation using the STAR-AQEM sampling protocol on the precision of macroinvertebrate metrics 2006 , 441-459		0
19	Stream and river typologies [major results and conclusions from the STAR project 2006 , 33-37		2
18	Estimates and comparisons of the effects of sampling variation using [ational]macroinvertebrate sampling protocols on the precision of metrics used to assess ecological status 2006 , 477-503		
17	The ecological status of European rivers: evaluation and intercalibration of assessment methods 2006 , 1-2		1
16	Biological quality metrics: their variability and appropriate scale for assessing Streams 2006 , 153-172		1
15	Assessing Acid Stress in Swedish Boreal and Alpine Streams Using Benthic Macroinvertebrates 2004 , 129-148		1
14	Spatial scale and ecological relationships between the macroinvertebrate communities of stony habitats of streams and lakes. <i>Freshwater Biology</i> , 2004 , 49, 1179-1194	3.1	115
13	Overview and application of the AQEM assessment system. <i>Hydrobiologia</i> , 2004 , 516, 1-20	2.4	337
12	Comparing macroinvertebrate indices to detect organic pollution across Europe: a contribution to the EC Water Framework Directive intercalibration. <i>Hydrobiologia</i> , 2004 , 516, 55-68	2.4	60
11	Assessing acid stress in Swedish boreal and alpine streams using benthic macroinvertebrates. <i>Hydrobiologia</i> , 2004 , 516, 129-148	2.4	33
10	Detection of organic pollution of streams in southern Sweden using benthic macroinvertebrates. <i>Hydrobiologia</i> , 2004 , 516, 161-172	2.4	42
9	Local, landscape and regional factors structuring benthic macroinvertebrate assemblages in Swedish streams. <i>Landscape Ecology</i> , 2004 , 19, 501-515	4.3	105
8	Overview and Application of the AQEM Assessment System 2004 , 1-20		13
7	Detection of Organic Pollution of Streams in Southern Sweden Using Benthic Macroinvertebrates 2004 , 161-172		1
6	Comparing Macroinvertebrate Indices to Detect Organic Pollution across Europe: A Contribution to the EC Water Framework Directive Intercalibration 2004 , 55-68		8
5	The Development of a System to Assess the Ecological Quality of Streams Based on Macroinvertebrates [Design of the Sampling Programme within the AQEM Project. <i>International Review of Hydrobiology</i> , 2003 , 88, 345-361	2.3	158
4	Benthic macroinvertebrates in Swedish streams: community structure, taxon richness, and environmental relations. <i>Ecography</i> , 2003 , 26, 269-282	6.5	63

- 3 The statistical power of selected indicator metrics using macroinvertebrates for assessing acidification and eutrophication of running waters. *Hydrobiologia*, **2000**, 422/423, 233-243 2.4 55
- 2 Spatial scale of benthic macroinvertebrate communities in Swedish streams: variation partitioning using partial Canonical Correspondence Analysis. *Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology*, **2000**, 27, 382-383
- 1 Ecoregions and benthic macroinvertebrate assemblages of Swedish streams. *Journal of the North American Benthological Society*, **2000**, 19, 462-474 83