

Leonard Sandin

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,510
citations

117453

34
h-index

133063

59
g-index

75
all docs

75
docs citations

75
times ranked

5778
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydromorphology: Overview and Assessment Methods. , 2022, , 84-97.		1
2	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.	1.2	5
3	Gaps in current Baltic Sea environmental monitoring – Science versus management perspectives. <i>Marine Pollution Bulletin</i> , 2020, 160, 111669.	2.3	8
4	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.	0.9	9
5	Flow restoration and the impacts of multiple stressors on fish communities in regulated rivers. <i>Journal of Applied Ecology</i> , 2019, 56, 1687-1702.	1.9	20
6	Effects of shoreline alteration and habitat heterogeneity on macroinvertebrate community composition across European lakes. <i>Ecological Indicators</i> , 2019, 98, 285-296.	2.6	21
7	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.	0.6	19
8	Nature-like fishways as compensatory lotic habitats. <i>River Research and Applications</i> , 2018, 34, 253-261.	0.7	16
9	Responses of macroinvertebrate communities to small dam removals: Implications for bioassessment and restoration. <i>Journal of Applied Ecology</i> , 2018, 55, 1896-1907.	1.9	36
10	Decomposing multiple pressure effects on invertebrate assemblages of boreal streams. <i>Ecological Indicators</i> , 2017, 77, 293-303.	2.6	12
11	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.	1.2	55
12	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.	3.9	81
13	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, 1235-1248.	0.8	167
14	An index of human alteration of lake shore morphology. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015, 25, 353-364.	0.9	13
15	Impacts of habitat degradation and stream spatial location on biodiversity in a disturbed riverine landscape. <i>Biodiversity and Conservation</i> , 2015, 24, 1423-1441.	1.2	20
16	A hitchhiker's guide to European lake ecological assessment and intercalibration. <i>Ecological Indicators</i> , 2015, 52, 533-544.	2.6	96
17	Quantifying spatial scaling patterns and their local and regional correlates in headwater streams: implications for resilience. <i>Ecology and Society</i> , 2014, 19, .	1.0	12
18	A trait-based approach to assess climate change sensitivity of freshwater invertebrates across Swedish ecoregions. <i>Environmental Epigenetics</i> , 2014, 60, 221-232.	0.9	39

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19	Headwater biodiversity among different levels of stream habitat hierarchy. <i>Biodiversity and Conservation</i> , 2014, 23, 63-80.	1.2	7
20	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.	1.1	21
21	Morphological alterations of lake shores in Europe: A multimetric ecological assessment approach using benthic macroinvertebrates. <i>Ecological Indicators</i> , 2013, 34, 398-410.	2.6	55
22	Metacommunity structure in a small boreal stream network. <i>Journal of Animal Ecology</i> , 2013, 82, 449-458.	1.3	120
23	Does lake habitat alteration and land-use pressure homogenize European littoral macroinvertebrate communities?. <i>Journal of Applied Ecology</i> , 2013, 50, 1010-1018.	1.9	55
24	Assessing the relationship between the Lake Habitat Survey and littoral macroinvertebrate communities in European lakes. <i>Ecological Indicators</i> , 2013, 25, 205-214.	2.6	44
25	Effects of Dispersal-Related Factors on Species Distribution Model Accuracy for Boreal Lake Ecosystems. <i>Diversity</i> , 2013, 5, 393-408.	0.7	6
26	The Influence of Environmental, Biotic and Spatial Factors on Diatom Metacommunity Structure in Swedish Headwater Streams. <i>PLoS ONE</i> , 2013, 8, e72237.	1.1	70
27	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.	0.4	25
28	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.	0.4	21
29	Spatial variation in lake benthic macroinvertebrate ecological assessment: a synthesis of European case studies. <i>Fundamental and Applied Limnology</i> , 2012, 180, 185-191.	0.4	4
30	Towards an assessment of multiple ecosystem processes and services via functional traits. <i>Biodiversity and Conservation</i> , 2010, 19, 2873-2893.	1.2	759
31	Littoral macroinvertebrates as indicators of lake acidification within the UK. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2010, 20, S105.	0.9	43
32	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.	0.4	23
33	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.	1.0	38
34	Freshwater ecosystem structure-function relationships: from theory to application. <i>Freshwater Biology</i> , 2009, 54, 2017-2024.	1.2	70
35	Indicators of biodiversity and ecosystem services: a synthesis across ecosystems and spatial scales. <i>Oikos</i> , 2009, 118, 1862-1871.	1.2	225
36	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. <i>BioScience</i> , 2009, 59, 223-235.	2.2	312

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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.	1.6	37
38	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.	1.0	80
39	Rivers of the Central European Highlands and Plains. , 2009, , 525-576.		16
40	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.	0.4	18
41	Macroinvertebrate indicators of lake acidification: analysis of monitoring data from UK, Norway and Sweden. <i>Aquatic Ecology</i> , 2008, 42, 293-305.	0.7	53
42	Assessing the ecological integrity of boreal streams: a comparison of functional and structural responses. <i>Fundamental and Applied Limnology</i> , 2007, 168, 113-125.	0.4	28
43	Ecological relationships between stream communities and spatial scale: implications for designing catchment-level monitoring programmes. <i>Freshwater Biology</i> , 2007, 52, 939-958.	1.2	138
44	Effects of nutrient enrichment on boreal streams: invertebrates, fungi and leaf litter breakdown. <i>Freshwater Biology</i> , 2007, 52, 1618-1633.	1.2	39
45	Biological Monitoring of North European Rivers. <i>Water Quality Measurements Series</i> , 2006, , 277-293.	0.1	0
46	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.	0.1	0
47	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.	1.0	19
48	Stream and river typologies – major results and conclusions from the STAR project. <i>Hydrobiologia</i> , 2006, 566, 33-37.	1.0	32
49	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.	1.0	33
50	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.	1.0	45
51	Comparison of macroinvertebrate sampling methods in Europe. <i>Hydrobiologia</i> , 2006, 566, 365-378.	1.0	50
52	Biological quality metrics: their variability and appropriate scale for assessing streams. <i>Hydrobiologia</i> , 2006, 566, 153-172.	1.0	33
53	The ecological status of European rivers: evaluation and intercalibration of assessment methods. <i>Hydrobiologia</i> , 2006, 566, 1-2.	1.0	47
54	The ecological status of European rivers: evaluation and intercalibration of assessment methods. , 2006, , 1-2.		2

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55	Biological quality metrics: their variability and appropriate scale for assessing Streams. , 2006, , 153-172.		13
56	Effects of sampling and sub-sampling variation using the STAR-AQEM sampling protocol on the precision of macroinvertebrate metrics. , 2006, , 441-459.		7
57	Stream and river typologies " major results and conclusions from the STAR project. , 2006, , 33-37.		3
58	Estimates and comparisons of the effects of sampling variation using "national"™ macroinvertebrate sampling protocols on the precision of metrics used to assess ecological status. , 2006, , 477-503.		3
59	Assessing Acid Stress in Swedish Boreal and Alpine Streams Using Benthic Macroinvertebrates. , 2004, , 129-148.		7
60	Spatial scale and ecological relationships between the macroinvertebrate communities of stony habitats of streams and lakes. <i>Freshwater Biology</i> , 2004, 49, 1179-1194.	1.2	128
61	Overview and application of the AQEM assessment system. <i>Hydrobiologia</i> , 2004, 516, 1-20.	1.0	373
62	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.	1.0	61
63	Assessing acid stress in Swedish boreal and alpine streams using benthic macroinvertebrates. <i>Hydrobiologia</i> , 2004, 516, 129-148.	1.0	35
64	Detection of organic pollution of streams in southern Sweden using benthic macroinvertebrates. <i>Hydrobiologia</i> , 2004, 516, 161-172.	1.0	44
65	Local, landscape and regional factors structuring benthic macroinvertebrate assemblages in Swedish streams. <i>Landscape Ecology</i> , 2004, 19, 501-515.	1.9	122
66	Overview and Application of the AQEM Assessment System. , 2004, , 1-20.		57
67	Comparing Macroinvertebrate Indices to Detect Organic Pollution across Europe: A Contribution to the EC Water Framework Directive Intercalibration. , 2004, , 55-68.		13
68	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.	0.5	184
69	Benthic macroinvertebrates in Swedish streams: community structure, taxon richness, and environmental relations. <i>Ecography</i> , 2003, 26, 269-282.	2.1	69
70	Title is missing!. <i>Hydrobiologia</i> , 2000, 422/423, 233-243.	1.0	58
71	Spatial scale of benthic macroinvertebrate communities in Swedish streams: variation partitioning using partial Canonical Correspondence Analysis. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 382-383.	0.1	0
72	Ecoregions and benthic macroinvertebrate assemblages of Swedish streams. <i>Journal of the North American Benthological Society</i> , 2000, 19, 462-474.	3.0	94