

Martin T Pusch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2002196/publications.pdf>

Version: 2024-02-01

59
papers

3,900
citations

126907

33
h-index

133252

59
g-index

59
all docs

59
docs citations

59
times ranked

4932
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of hydropower plants in Romania: Distribution, current knowledge, and their effects on fish in headwater streams. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111003.	16.4	31
2	A review of hydropower dams in Southeast Europe – distribution, trends and availability of monitoring data using the example of a multinational Danube catchment subarea. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 117, 109434.	16.4	42
3	More than one million barriers fragment Europe’s rivers. <i>Nature</i> , 2020, 588, 436-441.	27.8	314
4	Linking ecosystem services and measures in river and floodplain management. <i>Ecosystems and People</i> , 2019, 15, 214-231.	3.2	35
5	Ecosystem shifts in Alpine streams under glacier retreat and rock glacier thaw: A review. <i>Science of the Total Environment</i> , 2019, 675, 542-559.	8.0	79
6	Effects of shoreline alteration and habitat heterogeneity on macroinvertebrate community composition across European lakes. <i>Ecological Indicators</i> , 2019, 98, 285-296.	6.3	21
7	Effects of thermopeaking on the thermal response of alpine river systems to heatwaves. <i>Science of the Total Environment</i> , 2018, 612, 1266-1275.	8.0	23
8	Across-shore differences in lake benthic invertebrate communities within reed stands (<i>Phragmites</i>) Tj ETQq0 0.0 r gBT /Oyerlock 10 0.9 2	0.9	2
9	Macroinvertebrate community traits and nitrate removal in stream sediments. <i>Freshwater Biology</i> , 2017, 62, 929-944.	2.4	15
10	Quantitative hydrological preferences of benthic stream invertebrates in Germany. <i>Ecological Indicators</i> , 2017, 79, 163-172.	6.3	33
11	How much ecological integrity does a lake need? Managing the shores of a peri-urban lake. <i>Landscape and Urban Planning</i> , 2017, 164, 91-98.	7.5	6
12	Combined stable isotope and fatty acid analyses demonstrate that large wood increases the autochthonous trophic base of a macroinvertebrate assemblage. <i>Freshwater Biology</i> , 2016, 61, 549-564.	2.4	21
13	Carbon dynamics and their link to dissolved organic matter quality across contrasting stream ecosystems. <i>Science of the Total Environment</i> , 2016, 553, 574-586.	8.0	75
14	Simple large wood structures promote hydromorphological heterogeneity and benthic macroinvertebrate diversity in low-gradient rivers. <i>Aquatic Sciences</i> , 2016, 78, 755-766.	1.5	36
15	Multifunctional floodplain management and biodiversity effects: a knowledge synthesis for six European countries. <i>Biodiversity and Conservation</i> , 2016, 25, 1349-1382.	2.6	136
16	Efficient sampling methodologies for lake littoral invertebrates in compliance with the European Water Framework Directive. <i>Hydrobiologia</i> , 2016, 767, 207-220.	2.0	7
17	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.	8.0	81
18	Ecological assessment of morphological shore degradation at whole lake level aided by aerial photo analysis. <i>Fundamental and Applied Limnology</i> , 2015, 186, 353-369.	0.7	15

#	ARTICLE	IF	CITATIONS
19	An index of human alteration of lake shore morphology. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015, 25, 353-364.	2.0	13
20	Relative impacts of morphological alteration to shorelines and eutrophication on littoral macroinvertebrates in Mediterranean lakes. <i>Freshwater Science</i> , 2015, 34, 410-422.	1.8	29
21	Minimum shoreline restoration requirements to improve the ecological status of a north-eastern German glacial lowland lake in an urban landscape. <i>Fundamental and Applied Limnology</i> , 2015, 186, 323-332.	0.7	10
22	Comparison of Organic Matter Composition in Agricultural versus Forest Affected Headwaters with Special Emphasis on Organic Nitrogen. <i>Environmental Science & Technology</i> , 2015, 49, 2081-2090.	10.0	73
23	Macroinvertebrate responses to regime shifts caused by eutrophication in subtropical shallow lakes. <i>Freshwater Science</i> , 2015, 34, 942-952.	1.8	35
24	Diversification of stream invertebrate communities by large wood. <i>Freshwater Biology</i> , 2014, 59, 2571-2583.	2.4	47
25	Multifunctionality of floodplain landscapes: relating management options to ecosystem services. <i>Landscape Ecology</i> , 2014, 29, 229-244.	4.2	126
26	Is coarse woody debris in lakes a refuge or a trap for benthic invertebrates exposed to fish predation?. <i>Freshwater Biology</i> , 2014, 59, 2400-2412.	2.4	14
27	Filtration activity of invasive mussel species under wave disturbance conditions. <i>Biological Invasions</i> , 2013, 15, 2681-2690.	2.4	12
28	Morphological alterations of lake shores in Europe: A multimetric ecological assessment approach using benthic macroinvertebrates. <i>Ecological Indicators</i> , 2013, 34, 398-410.	6.3	55
29	Modelling the effects of recreational boating on self-purification activity provided by bivalve mollusks in a lowland river. <i>Freshwater Science</i> , 2013, 32, 82-93.	1.8	16
30	Does lake habitat alteration and land-use pressure homogenize European littoral macroinvertebrate communities?. <i>Journal of Applied Ecology</i> , 2013, 50, 1010-1018.	4.0	55
31	Cascading effects of flow reduction on the benthic invertebrate community in a lowland river. <i>Hydrobiologia</i> , 2013, 717, 147-159.	2.0	35
32	Estimating the recreational carrying capacity of a lowland river section. <i>Water Science and Technology</i> , 2012, 66, 2033-2039.	2.5	13
33	Sampling approaches for the assessment of shoreline development based on littoral macroinvertebrates: the case of Lake Werbellin, Germany. <i>Fundamental and Applied Limnology</i> , 2012, 180, 123-131.	0.7	13
34	Effects of ship-induced waves on littoral benthic invertebrates. <i>Freshwater Biology</i> , 2012, 57, 2425-2435.	2.4	35
35	Agriculture has changed the amount and composition of dissolved organic matter in Central European headwater streams. <i>Science of the Total Environment</i> , 2012, 438, 435-446.	8.0	236
36	Urban stressors alter the trophic basis of secondary production in an agricultural stream. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 74-88.	1.4	27

#	ARTICLE	IF	CITATIONS
37	Domesticated ecosystems and novel communities: challenges for the management of large rivers. <i>Ecohydrology and Hydrobiology</i> , 2011, 11, 167-174.	2.3	45
38	Human lakeshore development alters the structure and trophic basis of littoral food webs. <i>Journal of Applied Ecology</i> , 2011, 48, 916-925.	4.0	68
39	Differential effect of wave stress on the physiology and behaviour of native versus non-native benthic invertebrates. <i>Biological Invasions</i> , 2011, 13, 1843-1853.	2.4	28
40	Waves affect predator-prey interactions between fish and benthic invertebrates. <i>Oecologia</i> , 2011, 165, 101-109.	2.0	38
41	Multiple stressors in coupled river-floodplain ecosystems. <i>Freshwater Biology</i> , 2010, 55, 135-151.	2.4	337
42	Nutrient enrichment homogenizes lake benthic assemblages at local and regional scales. <i>Ecology</i> , 2009, 90, 3470-3477.	3.2	158
43	Potential effects of water-level fluctuations on littoral invertebrates in lowland lakes. <i>Hydrobiologia</i> , 2008, 613, 5-12.	2.0	50
44	Role of suspended particles for extracellular enzyme activity and biotic control of pelagic bacterial populations in the large lowland river Elbe. <i>Fundamental and Applied Limnology</i> , 2007, 169, 153-168.	0.7	7
45	Horizontal and vertical movements of unionid mussels in a lowland river. <i>Journal of the North American Benthological Society</i> , 2007, 26, 261-272.	3.1	124
46	Eulittoral macroinvertebrate communities of lowland lakes: discrimination among trophic states. <i>Freshwater Biology</i> , 2007, 52, 1022-1032.	2.4	66
47	Effects of human shoreline development on littoral macroinvertebrates in lowland lakes. <i>Journal of Applied Ecology</i> , 2007, 44, 1138-1144.	4.0	103
48	Effects of wastewater treatment plant discharge on ecosystem structure and function of lowland streams. <i>Journal of the North American Benthological Society</i> , 2006, 25, 313-329.	3.1	181
49	Regulation of nutrient uptake in eutrophic lowland streams. <i>Limnology and Oceanography</i> , 2006, 51, 1443-1453.	3.1	73
50	Regulation and Seasonal Dynamics of Extracellular Enzyme Activities in the Sediments of a Large Lowland River. <i>Microbial Ecology</i> , 2005, 50, 253-267.	2.8	57
51	A River's Liver - Microbial Processes within the Hyporheic Zone of a Large Lowland River. <i>Biogeochemistry</i> , 2005, 76, 349-371.	3.5	203
52	Differential retention and utilization of dissolved organic carbon by bacteria in river sediments. <i>Limnology and Oceanography</i> , 2002, 47, 1702-1711.	3.1	131
53	Microbial respiration within a floodplain aquifer of a large gravel-bed river. <i>Freshwater Biology</i> , 2002, 47, 251-261.	2.4	66
54	Title is missing!. <i>Biogeochemistry</i> , 2002, 61, 37-55.	3.5	74

#	ARTICLE	IF	CITATIONS
55	Comparison of bacterial production in sediments, epiphyton and the pelagic zone of a lowland river. <i>Freshwater Biology</i> , 2001, 46, 1335-1348.	2.4	119
56	Use of mesohabitat-specific relationships between flow velocity and river discharge to assess invertebrate minimum flow requirements. <i>River Research and Applications</i> , 2001, 17, 667-676.	0.8	41
57	Use of fluorescently labeled <i>Lycopodium</i> spores as a tracer for suspended particles in a lowland river. <i>Journal of the North American Benthological Society</i> , 2000, 19, 648-658.	3.1	29
58	Conservation concept for a river ecosystem (River Spree, Germany) impacted by flow abstraction in a large post-mining area. <i>Landscape and Urban Planning</i> , 2000, 51, 165-176.	7.5	30
59	Use of the [¹⁴ C]Leucine Incorporation Technique To Measure Bacterial Production in River Sediments and the Epiphyton. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4411-4418.	3.1	56