Annette Baattrup-Pedersen

List of Publications by Year
in descending order

116	4,174	117625	138484
papers	citations	34 h-index	58 g-index

118	118	118	4674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Periphyton biomass and life-form responses to a gradient of discharge in contrasting light and nutrients scenarios in experimental lowland streams. Science of the Total Environment, 2022, 806, 150505.	8.0	9
2	Alkalinity and diatom assemblages in lowland streams: How to separate alkalinity from inorganic phosphorus in ecological assessments?. Science of the Total Environment, 2022, 823, 153829.	8.0	9
3	Rare Potamogeton species can establish in restored Danish lowland stream reaches. Freshwater Biology, 2022, 67, 518-532.	2.4	1
4	Flow pulses shape periphyton differently according to local light and nutrient conditions in experimental lowland streams. Freshwater Biology, 2022, 67, 1272-1286.	2.4	0
5	Macrophytes enhance reach-scale metabolism on a daily, seasonal and annual basis in agricultural lowland streams. Aquatic Sciences, 2021, 83, 1.	1.5	13
6	Effects of different weed cutting methods on physical and hydromorphological conditions in lowland streams. Knowledge and Management of Aquatic Ecosystems, 2021, , 10.	1.1	8
7	Seasonal turnover in community composition of streamâ€associated macroinvertebrates inferred from freshwater environmental DNA metabarcoding. Environmental DNA, 2021, 3, 861-876.	5.8	19
8	Influence of plant habitats on denitrification in lowland agricultural streams. Journal of Environmental Management, 2021, 286, 112193.	7.8	10
9	Small-sized omnivorous fish induce stronger effects on food webs than warming and eutrophication in experimental shallow lakes. Science of the Total Environment, 2021, 797, 148998.	8.0	15
10	Microbial biofilm community dynamics in five lowland streams. Science of the Total Environment, 2021, 798, 149169.	8.0	10
11	Danish wetlands remained poor with plant species 17-years after restoration. Science of the Total Environment, 2021, 798, 149146.	8.0	9
12	Epiphyton in Agricultural Streams: Structural Control and Comparison to Epilithon. Water (Switzerland), 2021, 13, 3443.	2.7	3
13	Riverine macrophytes control seasonal nutrient uptake via both physical and biological pathways. Freshwater Biology, 2020, 65, 178-192.	2.4	15
14	Short-period hydrological regimes override physico-chemical variables in shaping stream diatom traits, biomass and biofilm community functions. Science of the Total Environment, 2020, 743, 140720.	8.0	25
15	A comparison of nutrient uptake efficiency and growth rate between different macrophyte growth forms. Journal of Environmental Management, 2020, 274, 111181.	7.8	24
16	Impacts of multiple stressors on freshwater biota across spatial scales and ecosystems. Nature Ecology and Evolution, 2020, 4, 1060-1068.	7.8	336
17	Effects of low flow and co-occurring stressors on structural and functional characteristics of the benthic biofilm in small streams. Science of the Total Environment, 2020, 733, 139331.	8.0	10
18	Management Options to Reduce Phosphorus Leaching from Vegetated Buffer Strips. Journal of Environmental Quality, 2019, 48, 322-329.	2.0	16

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19	Early dynamics in plant community trait responses to a novel, more extreme hydrological gradient. Journal of Plant Ecology, 2019, 12, 327-335.	2.3	11
20	Catchment properties and the photosynthetic trait composition of freshwater plant communities. Science, 2019, 366, 878-881.	12.6	80
21	Indicators of biomass and methane yields in vegetated buffer strips. Journal of Cleaner Production, 2019, 210, 907-915.	9.3	2
22	The future of European water management: Demonstration of a new WFD compliant framework to support sustainable management under multiple stress. Science of the Total Environment, 2019, 654, 53-59.	8.0	13
23	Protecting and restoring Europe's waters: An analysis of the future development needs of the Water Framework Directive. Science of the Total Environment, 2019, 658, 1228-1238.	8.0	295
24	Flow regimes filter species traits of benthic diatom communities and modify the functional features of lowland streams - a nationwide scale study. Science of the Total Environment, 2019, 651, 357-366.	8.0	44
25	Structural and functional characteristics of buffer strip vegetation in an agricultural landscape â€“ high potential for nutrient removal but low potential for plant biodiversity. Science of the Total Environment, 2018, 628-629, 805-814.	8.0	39
26	Evaluating effects of weed cutting on water level and ecological status in Danish lowland streams. Freshwater Biology, 2018, 63, 652-661.	2.4	18
27	Structural and functional responses of plant communities to climate changeâ€mediated alterations in the hydrology of riparian areas in temperate Europe. Ecology and Evolution, 2018, 8, 4120-4135.	1.9	14
28	Riparian forest modifies fuelling sources for stream food webs but not food-chain length in lowland streams of Denmark. Hydrobiologia, 2018, 805, 291-310.	2.0	12
29	Headwater streams in the EU Water Framework Directive: Evidence-based decision support to select streams for river basin management plans. Science of the Total Environment, 2018, 613-614, 1048-1054.	8.0	18
30	Identifying potential gaps in pesticide risk assessment: Terrestrial life stages of freshwater insects. Journal of Applied Ecology, 2018, 55, 1510-1515.	4.0	11
31	Submerged freshwater plant communities do not show species complementarity effect in wetland mesocosms. Biology Letters, 2018, 14, 20180635.	2.3	13
32	Responses of Aquatic Plants to Eutrophication in Rivers: A Revised Conceptual Model. Frontiers in Plant Science, 2018, 9, 451.	3.6	94
33	Does Regular Harvesting Increase Plant Diversity in Buffer Strips Separating Agricultural Land and Surface Waters?. Frontiers in Environmental Science, 2018, 6, .	3.3	5
34	Nutrient kinetics in submerged plant beds: A mesocosm study simulating constructed drainage wetlands. Ecological Engineering, 2018, 122, 263-270.	3.6	9
35	Responses of benthic algal communities and their traits to experimental changes in fine sediments, nutrients and flow. Freshwater Biology, 2017, 62, 1539-1550.	2.4	20
36	Using river microalgae as indicators for freshwater biomonitoring: Review of published research and future directions. Ecological Indicators, 2017, 81, 124-131.	6.3	98

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37	Multiple stress response of lowland stream benthic macroinvertebrates depends on habitat type. Science of the Total Environment, 2017, 599-600, 1517-1523.	8.0	32
38	Effects of increased flooding on riparian vegetation: Field experiments simulating climate change along five European lowland streams. Global Change Biology, 2017, 23, 3052-3063.	9.5	31
39	Environmental and spatial controls of taxonomic versus trait composition of stream biota. Freshwater Biology, 2017, 62, 397-413.	2.4	73
40	A new paradigm for biomonitoring: an example building on the Danish Stream Plant Index. Methods in Ecology and Evolution, 2017, 8, 297-307.	5.2	11
41	Experimental drought changes ecosystem structure and function in a macrophyte-rich stream. Aquatic Sciences, 2017, 79, 841-853.	1.5	13
42	Genetic structure of the submersed Ranunculus baudotii (sect. Batrachium) population in a lowland stream in Denmark. Aquatic Botany, 2017, 136, 186-196.	1.6	6
43	Microbial community diversity and composition varies with habitat characteristics and biofilm function in macrophyteâ€rich streams. Oikos, 2017, 126, 398-409.	2.7	30
44	Nutrient availability and nutrient use efficiency in plants growing in the transition zone between land and water. Plant Biology, 2016, 18, 301-306.	3.8	3
45	Functional trait composition of aquatic plants can serve to disentangle multiple interacting stressors in lowland streams. Science of the Total Environment, 2016, 543, 230-238.	8.0	51
46	Trait Characteristics Determine Pyrethroid Sensitivity in Nonstandard Test Species of Freshwater Macroinvertebrates: A Reality Check. Environmental Science & Technology, 2016, 50, 4971-4978.	10.0	37
47	Baseline identification in stable-isotope studies of temperate lotic systems and implications for calculated trophic positions. Freshwater Science, 2016, 35, 909-921.	1.8	8
48	Comparison of metabolic rates among macrophyte and nonmacrophyte habitats in streams. Freshwater Science, 2016, 35, 834-844.	1.8	17
49	Mosses in High-Arctic lakes: in situ measurements of annual primary production and decomposition. Polar Biology, 2016, 39, 543-552.	1.2	14
50	Climate change effects on lowland stream flood regimes and riparian rich fen vegetation communities in Denmark. Hydrological Sciences Journal, 2016, 61, 344-358.	2.6	6
51	The response of hydrophyte growth forms and plant strategies to river restoration. Hydrobiologia, 2016, 769, 41-54.	2.0	19
52	Influence of riparian forests on fish assemblages in temperate lowland streams. Environmental Biology of Fishes, 2016, 99, 133-144.	1.0	12
53	Structural and functional responses of floodplain vegetation to stream ecosystem restoration. Hydrobiologia, 2016, 769, 79-92.	2.0	35
54	Riparian forest as a management tool for moderating future thermal conditions of lowland temperate streams. Inland Waters, 2015, 5, 27-38.	2.2	14

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55	Plant trait characteristics vary with size and eutrophication in <scp>E</scp>uropean lowland streams. Journal of Applied Ecology, 2015, 52, 1617-1628.	4.0	31
56	Contrasting the roles of section length and instream habitat enhancement for river restoration success: a field study of 20 European restoration projects. Journal of Applied Ecology, 2015, 52, 1518-1527.	4.0	64
57	Impacts of habitat degradation and stream spatial location on biodiversity in a disturbed riverine landscape. Biodiversity and Conservation, 2015, 24, 1423-1441.	2.6	20
58	The legacy of pesticide pollution: An overlooked factor in current risk assessments of freshwater systems. Water Research, 2015, 84, 25-32.	11.3	130
59	Riparian plant community responses to increased flooding: a metaâ€analysis. Global Change Biology, 2015, 21, 2881-2890.	9.5	147
60	Macrophyte Complexity Controls Nutrient Uptake in Lowland Streams. Ecosystems, 2015, 18, 914-931.	3.4	77
61	Whole-stream metabolism in nutrient-poor calcareous streams on Ã–land, Sweden. Aquatic Sciences, 2015, 77, 207-219.	1.5	8
62	Environmental controls of plant species richness in riparian wetlands: Implications for restoration. Basic and Applied Ecology, 2015, 16, 480-489.	2.7	21
63	Effects of warming on annual production and nutrientâ€use efficiency of aquatic mosses in a high Arctic lake. Freshwater Biology, 2014, 59, 1622-1632.	2.4	15
64	Fast reaction of macroinvertebrate communities to stagnation and drought in streams with contrasting nutrient availability. Freshwater Science, 2014, 33, 847-859.	1.8	22
65	The role of species functional traits in distributional patterns of lowland stream vegetation. Freshwater Science, 2014, 33, 1074-1085.	1.8	11
66	Nitrous oxide fluxes in undisturbed riparian wetlands located in agricultural catchments: Emission, uptake and controlling factors. Soil Biology and Biochemistry, 2014, 68, 291-299.	8.8	62
67	Monitoring fish communities in wadeable lowland streams: comparing the efficiency of electrofishing methods at contrasting fish assemblages. Environmental Monitoring and Assessment, 2014, 186, 1665-1677.	2.7	20
68	10 years after the largest river restoration project in Northern Europe: Hydromorphological changes on multiple scales in River Skjern. Ecological Engineering, 2014, 66, 141-149.	3.6	32
69	The River GelsÃ¥ restoration revisited: Habitat specific assemblages and persistence of the macroinvertebrate community over an 11-year period. Ecological Engineering, 2014, 66, 150-157.	3.6	28
70	Seed germination from deposited sediments during high winter flow in riparian areas. Ecological Engineering, 2014, 66, 103-110.	3.6	14
71	Groundwater nitrogen and the distribution of groundwater-dependent vegetation in riparian areas in agricultural catchments. Ecological Engineering, 2014, 66, 111-119.	3.6	9
72	CATCHMENT CHARACTERISTICS AND PLANT RECRUITMENT FROM SEDIMENT IN STREAM AND MEADOW HABITATS. River Research and Applications, 2013, 29, 855-863.	1.7	9

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73	From expert judgement to supervised classification: A new approach to assess ecological status in lowland streams. Science of the Total Environment, 2013, 447, 116-122.	8.0	12
74	Methane emissions in Danish riparian wetlands: Ecosystem comparison and pursuit of vegetation indexes as predictive tools. Ecological Indicators, 2013, 34, 548-559.	6.3	21
75	Effects of stream flooding on the distribution and diversity of groundwaterâ€dependent vegetation in riparian areas. Freshwater Biology, 2013, 58, 817-827.	2.4	25
76	Species Recruitment following Flooding, Sediment Deposition and Seed Addition in Restored Riparian Areas. Restoration Ecology, 2013, 21, 399-408.	2.9	14
77	Distribution of invertebrates within beds of two morphologically contrasting stream macrophyte species. Fundamental and Applied Limnology, 2013, 183, 309-321.	0.7	16
78	Photosynthetic performance of submerged macrophytes from lowland stream and lake habitats with contrasting CO 2 availability. New Phytologist, 2013, 198, 1135-1142.	7.3	12
79	Bicarbonate use in three aquatic plants. Aquatic Botany, 2012, 98, 57-60.	1.6	14
80	Effects of a triazole fungicide and a pyrethroid insecticide on the decomposition of leaves in the presence or absence of macroinvertebrate shredders. Aquatic Toxicology, 2012, 118-119, 54-61.	4.0	54
81	Predictive modelling of protected habitats in riparian areas from catchment characteristics. Ecological Indicators, 2012, 18, 227-235.	6.3	11
82	Selection, implementation and cost of restorations in lowland streams: A basis for identifying restoration priorities. Environmental Science and Policy, 2012, 23, 1-11.	4.9	9
83	Phosphorus Load to Surface Water from Bank Erosion in a Danish Lowland River Basin. Journal of Environmental Quality, 2012, 41, 304-313.	2.0	89
84	Diversity and Distribution of Riparian Plant Communities in Relation to Stream Size and Eutrophication. Journal of Environmental Quality, 2012, 41, 348-354.	2.0	28
85	Meta-analysis Shows a Consistent and Strong Latitudinal Pattern in Fish Omnivory Across Ecosystems. Ecosystems, 2012, 15, 492-503.	3.4	121
86	Stream habitat structure influences macroinvertebrate response to pesticides. Environmental Pollution, 2012, 164, 142-149.	7.5	64
87	Impacts of pesticides and natural stressors on leaf litter decomposition in agricultural streams. Science of the Total Environment, 2012, 416, 148-155.	8.0	97
88	Community structure of fish in lowland streams differ substantially between subtropical and temperate climates. Hydrobiologia, 2012, 684, 143-160.	2.0	25
89	Prediction of stream fish assemblages from land use characteristics: implications for cost-effective design of monitoring programmes. Environmental Monitoring and Assessment, 2012, 184, 1435-1448.	2.7	17
90	Local physical habitat quality cloud the effect of predicted pesticide runoff from agricultural land in Danish streams. Journal of Environmental Monitoring, 2011, 13, 943.	2.1	23

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91	Spatial distribution and temporal dynamic of the seed pool in a Danish lowland stream. Aquatic Botany, 2011, 94, 188-192.	1.6	6
92	Buffer strip width and agricultural pesticide contamination in Danish lowland streams: Implications for stream and riparian management. Ecological Engineering, 2011, 37, 1990-1997.	3.6	65
93	Stream characteristics and their implications for the protection of riparian fens and meadows. Freshwater Biology, 2011, 56, 1893-1903.	2.4	7
94	Stream ecosystem properties and processes along a temperature gradient. Aquatic Ecology, 2011, 45, 231-242.	1.5	47
95	An evaluation of restoration practises in lowland streams: Has the physical integrity been re-created?. Ecological Engineering, 2011, 37, 1654-1660.	3.6	23
96	Can a priori defined reference criteria be used to select reference sites in Danish streams? Implications for implementing the Water Framework Directive. Journal of Environmental Monitoring, 2009, 11, 344-352.	2.1	29
97	The search for reference conditions for stream vegetation in northern Europe. Freshwater Biology, 2008, 53, 1890-1901.	2.4	45
98	Restoration of Skjern River and its valleyâ€"Short-term effects on river habitats, macrophytes and macroinvertebrates. Ecological Engineering, 2007, 30, 145-156.	3.6	65
99	Re-establishing freshwater wetlands in Denmark. Ecological Engineering, 2007, 30, 157-166.	3.6	85
100	Effects of stream restoration and management on plant communities in lowland streams. Freshwater Biology, 2006, 51, 161-179.	2.4	54
101	European river plant communities: the importance of organic pollution and the usefulness of existing macrophyte metrics. Hydrobiologia, 2006, 566, 211-234.	2.0	82
102	Macrophyte communities of European streams with altered physical habitat. Hydrobiologia, 2006, 566, 197-210.	2.0	62
103	Macrophyte communities in unimpacted European streams: variability in assemblage patterns, abundance and diversity. Hydrobiologia, 2006, 566, 179-196.	2.0	66
104	Macrophyte communities of European streams with altered physical habitat. , 2006, , 197-210.		1
105	European river plant communities: the importance of organic pollution and the usefulness of existing macrophyte metrics. , 2006, , 211-234.		3
106	The influence of channelisation on riparian plant assemblages. Freshwater Biology, 2005, 50, 1248-1261.	2.4	40
107	The New Danish Stream Monitoring Programme (Novana) â€“ Preparing Monitoring Activities For The Water Framework Directive Era. Environmental Monitoring and Assessment, 2005, 111, 27-42.	2.7	37
108	Impacts of different weed cutting practices on macrophyte species diversity and composition in a Danish stream. River Research and Applications, 2004, 20, 103-114.	1.7	32

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109	Title is missing!. Hydrobiologia, 2003, 495, 171-179.	2.0	58
110	Long-term effects of stream management on plant communities in two Danish lowland streams. Hydrobiologia, 2002, 481, 33-45.	2.0	51
111	Restoration of a Danish headwater stream: short-term changes in plant species abundance and composition. Aquatic Conservation: Marine and Freshwater Ecosystems, 2000, 10, 13-23.	2.0	18
112	Weed-cutting practice and impact on trout density in Danish lowland streams. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 674-677.	0.1	2
113	Macrophyte diversity and composition in relation to substratum characteristics in regulated and unregulated Danish streams. Freshwater Biology, 1999, 42, 375-385.	2.4	121
114	Interdependence of CO 2 and inorganic nitrogen on crassulacean acid metabolism and efficiency of nitrogen use by Littorella uniflora (L.) Aschers. Plant, Cell and Environment, 1999, 22, 535-542.	5.7	21
115	Regulation of Growth and Photosynthetic Performance in Elodea canadensis in Response to Inorganic Nitrogen. Functional Ecology, 1995, 9, 239.	3.6	23
116	Periphyton responses to nitrogen decline and warming in eutrophic shallow lake mesocosms. Hydrobiologia, 0, , 1.	2.0	2