

Edwin T H M Peeters

List of Publications by Year in descending order

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89
papers

4,855
citations

101543

36
h-index

95266

68
g-index

89
all docs

89
docs citations

89
times ranked

7079
citing authors

#	ARTICLE	IF	CITATIONS
1	Submerged Rootless Macrophytes Sustain a Stable State Against Free-Floating Plants. <i>Ecosystems</i> , 2022, 25, 17-29.	3.4	9
2	The Role of Epiphytic Algae and Grazing Snails in Stable States of Submerged and of Free-Floating Plants. <i>Ecosystems</i> , 2022, 25, 1371-1383.	3.4	5
3	Native European crayfish <i>Astacus astacus</i> competitive in staged confrontation with the invasive crayfish <i>Faxonius limosus</i> and <i>Procambarus acutus</i> . <i>PLoS ONE</i> , 2022, 17, e0263133.	2.5	4
4	Monitoring biological water quality by volunteers complements professional assessments. <i>PLoS ONE</i> , 2022, 17, e0263899.	2.5	5
5	Long-lasting effects of experimental flow intermittency on alpine stream macroinvertebrates (Val) Tj ETQq1 1 0.784314 rgBT ₁ /Overload	2.0	1
6	Global Patterns and Controls of Nutrient Immobilization on Decomposing Cellulose in Riverine Ecosystems. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	12
7	Some species flourish when many do not: a pattern in data on ecological communities. <i>Community Ecology</i> , 2021, 22, 157-163.	0.9	0
8	Warming advances virus population dynamics in a temperate freshwater plankton community. <i>Limnology and Oceanography Letters</i> , 2020, 5, 295-304.	3.9	7
9	Potential impact of chemical stress on freshwater invertebrates: A sensitivity assessment on continental and national scale based on distribution patterns, biological traits, and relatedness.. <i>Science of the Total Environment</i> , 2020, 731, 139150.	8.0	5
10	Nano- and microplastics affect the composition of freshwater benthic communities in the long term. <i>Science Advances</i> , 2020, 6, eaay4054.	10.3	104
11	Plant functional diversity and nutrient availability can improve restoration of floating fens via facilitation, complementarity and selection effects. <i>Journal of Applied Ecology</i> , 2019, 56, 235-245.	4.0	7
12	Coupling hysteresis analysis with sediment and hydrological connectivity in three agricultural catchments in Navarre, Spain. <i>Journal of Soils and Sediments</i> , 2019, 19, 1598-1612.	3.0	40
13	Behavioral patterns of two fiddler crab species <i>Uca rapax</i> and <i>Uca tangeri</i> in a seminatural mangrove system. <i>Zoo Biology</i> , 2019, 38, 343-354.	1.2	3
14	Effects of long-term chlorpyrifos exposure on mortality and reproductive tissues of Banded Gourami (<i>Trichogaster fasciata</i>). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 549-559.	1.5	11
15	Preferences for anuran calls in hematophagous corethrellids (Diptera: Corethrellidae) from Southern Brazil. <i>Austral Entomology</i> , 2019, 58, 622-628.	1.4	8
16	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. <i>Science Advances</i> , 2019, 5, eaav0486.	10.3	133
17	Phenotypic plasticity as a clue for invasion success of the submerged aquatic plant <i>Elodea nuttallii</i> . <i>Plant Biology</i> , 2019, 21, 54-63.	3.8	23
18	The Ecophysiological Response of Two Invasive Submerged Plants to Light and Nitrogen. <i>Frontiers in Plant Science</i> , 2019, 10, 1747.	3.6	9

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19	Avoidance tests as a tool to detect sublethal effects of oil-impacted sediments. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1757-1766.	4.3	6
20	Microplastic Effect Thresholds for Freshwater Benthic Macroinvertebrates. <i>Environmental Science & Technology</i> , 2018, 52, 2278-2286.	10.0	240
21	Effects of imidacloprid on the ecology of sub-tropical freshwater microcosms. <i>Environmental Pollution</i> , 2018, 236, 432-441.	7.5	78
22	Impacts of warming on top-down and bottom-up controls of periphyton production. <i>Scientific Reports</i> , 2018, 8, 9901.	3.3	20
23	Warming enhances sedimentation and decomposition of organic carbon in shallow macrophyte-dominated systems with zero net effect on carbon burial. <i>Global Change Biology</i> , 2018, 24, 5231-5242.	9.5	43
24	Creating a safe operating space for wetlands in a changing climate. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 99-107.	4.0	125
25	Acute toxicity of chlorpyrifos to embryo and larvae of banded gourami <i>Trichogaster fasciata</i>. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 92-98.	1.5	17
26	Cross continental increase in methane ebullition under climate change. <i>Nature Communications</i> , 2017, 8, 1682.	12.8	146
27	Rainfall changes affect the algae dominance in tank bromeliad ecosystems. <i>PLoS ONE</i> , 2017, 12, e0175436.	2.5	12
28	Distribution of crayfish species in Hungarian waters. <i>Global Ecology and Conservation</i> , 2016, 8, 254-262.	2.1	6
29	Further improvements in water quality of the Dutch Borderlakes: two types of clear states at different nutrient levels. <i>Aquatic Ecology</i> , 2016, 50, 521-539.	1.5	16
30	Competition between Free-Floating Plants Is Strongly Driven by Previously Experienced Phosphorus Concentrations in the Water Column. <i>PLoS ONE</i> , 2016, 11, e0162780.	2.5	17
31	Wave forces limit the establishment of submerged macrophytes in large shallow lakes. <i>Limnology and Oceanography</i> , 2015, 60, 1536-1549.	3.1	25
32	The Evolution of Functionally Redundant Species; Evidence from Beetles. <i>PLoS ONE</i> , 2015, 10, e0137974.	2.5	34
33	Creating a safe operating space for iconic ecosystems. <i>Science</i> , 2015, 347, 1317-1319.	12.6	202
34	Consequences of biodiversity loss for litter decomposition across biomes. <i>Nature</i> , 2014, 509, 218-221.	27.8	600
35	Relationship between redox potential and the emergence of three submerged macrophytes. <i>Aquatic Botany</i> , 2014, 113, 56-62.	1.6	8
36	Effects of slurry from sulfadiazine- (SDZ) and difloxacin- (DIF) medicated pigs on the structural diversity of microorganisms in bulk and rhizosphere soil. <i>Soil Biology and Biochemistry</i> , 2013, 62, 82-91.	8.8	53

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37	Diversity patterns of leaf-associated aquatic hyphomycetes along a broad latitudinal gradient. <i>Fungal Ecology</i> , 2013, 6, 439-448.	1.6	45
38	Multiwalled Carbon Nanotubes at Environmentally Relevant Concentrations Affect the Composition of Benthic Communities. <i>Environmental Science & Technology</i> , 2013, 47, 7475-7482.	10.0	27
39	Leaf litter quality drives litter mixing effects through complementary resource use among detritivores. <i>Oecologia</i> , 2013, 173, 269-280.	2.0	90
40	Occurrence of macrophyte monocultures in drainage ditches relates to phosphorus in both sediment and water. <i>SpringerPlus</i> , 2013, 2, 564.	1.2	19
41	Changing weather conditions and floating plants in temperate drainage ditches. <i>Journal of Applied Ecology</i> , 2013, 50, 585-593.	4.0	44
42	Invasive Crayfish Threaten the Development of Submerged Macrophytes in Lake Restoration. <i>PLoS ONE</i> , 2013, 8, e78579.	2.5	37
43	Long-Term Recovery of Benthic Communities in Sediments Amended with Activated Carbon. <i>Environmental Science & Technology</i> , 2012, 46, 10735-10742.	10.0	30
44	The Role of Propagule Banks from Drainage Ditches Dominated by Free-floating or Submerged Plants in Vegetation Restoration. <i>Restoration Ecology</i> , 2012, 20, 416-425.	2.9	14
45	Ecotoxicological Effects of Activated Carbon Amendments on Macroinvertebrates in Nonpolluted and Polluted Sediments. <i>Environmental Science & Technology</i> , 2011, 45, 8567-8574.	10.0	73
46	Community effects of carbon nanotubes in aquatic sediments. <i>Environment International</i> , 2011, 37, 1126-1130.	10.0	32
47	Ambiguous climate impacts on competition between submerged macrophytes and phytoplankton in shallow lakes. <i>Freshwater Biology</i> , 2011, 56, 1540-1553.	2.4	59
48	Differential response to climatic variation of free-floating and submerged macrophytes in ditches. <i>Freshwater Biology</i> , 2011, 56, 1761-1768.	2.4	47
49	Macrodetritivore identity drives leaf litter diversity effects. <i>Oikos</i> , 2011, 120, 1092-1098.	2.7	77
50	Effects of an anionic surfactant (FFD-6) on the energy and information flow between a primary producer (<i>Scenedesmus obliquus</i>) and a consumer (<i>Daphnia magna</i>). <i>Ecotoxicology</i> , 2011, 20, 1881-1889.	2.4	12
51	Effects of aquatic vegetation type on denitrification. <i>Biogeochemistry</i> , 2011, 104, 267-274.	3.5	77
52	Contrasting sensitivities to toxicants of the freshwater amphipods <i>Gammarus pulex</i> and <i>G. fossarum</i> . <i>Ecotoxicology</i> , 2010, 19, 133-140.	2.4	51
53	A morphological classification capturing functional variation in phytoplankton. <i>Freshwater Biology</i> , 2010, 55, 614-627.	2.4	393
54	Effects of animal starvation on the sensitivity of the freshwater amphipod <i>Gammarus pulex</i> to cadmium. <i>Chemistry and Ecology</i> , 2010, 26, 233-242.	1.6	13

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55	Variation in the Behavior of the Amphipod <i>Gammarus pulex</i> . Human and Ecological Risk Assessment (HERA), 2009, 15, 41-52.	3.4	24
56	Assessing ecological quality of shallow lakes: Does knowledge of transparency suffice?. Basic and Applied Ecology, 2009, 10, 89-96.	2.7	31
57	Determinants of biodiversity in subtropical shallow lakes (Atlantic coast, Uruguay). Freshwater Biology, 2009, 54, 2628-2641.	2.4	69
58	Climate-related differences in the dominance of submerged macrophytes in shallow lakes. Global Change Biology, 2009, 15, 2503-2517.	9.5	125
59	Changes in Ventilation and Locomotion of <i>Gammarus pulex</i> (Crustacea, Amphipoda) in Response to Low Concentrations of Pharmaceuticals. Human and Ecological Risk Assessment (HERA), 2009, 15, 111-120.	3.4	55
60	Triple Domain in Situ Sorption Modeling of Organochlorine Pesticides, Polychlorobiphenyls, Polyaromatic Hydrocarbons, Polychlorinated Dibenzo-p-Dioxins, and Polychlorinated Dibenzofurans in Aquatic Sediments. Environmental Science & Technology, 2009, 43, 8847-8853.	10.0	22
61	Development of a feeding behavioural bioassay using the freshwater amphipod <i>Gammarus pulex</i> and the Multispecies Freshwater Biomonitor. Chemosphere, 2009, 75, 341-346.	8.2	44
62	Seasonal variation of total and biochemically available concentrations of PAHs in a floodplain lake sediment has no effect on the benthic invertebrate community. Chemosphere, 2009, 75, 319-326.	8.2	3
63	Behavioral Ecotoxicology: Mechanisms, Effects, Applications, and Biomonitoring. Human and Ecological Risk Assessment (HERA), 2009, 15, 7-10.	3.4	4
64	Population dynamics of free-swimming Annelida in four Dutch wastewater treatment plants in relation to process characteristics. Hydrobiologia, 2008, 605, 131-142.	2.0	16
65	Fast response of lake plankton and nutrients to river inundations on floodplain lakes. River Research and Applications, 2008, 24, 388-406.	1.7	8
66	Modelling the effects of diving ducks on zebra mussels <i>Dreissena polymorpha</i> in lakes. Ecological Modelling, 2008, 211, 481-490.	2.5	5
67	Variation in stonefly (<i>Nemoura cinerea</i> Retzius) growth and development in response to hydraulic and substrate conditions. Journal of the North American Benthological Society, 2008, 27, 176-185.	3.1	13
68	Secondary production of <i>Gammarus pulex</i> Linnaeus in small temperate streams that differ in riparian canopy cover. Fundamental and Applied Limnology, 2007, 168, 211-219.	0.7	11
69	Habitat-mediated cannibalism and microhabitat restriction in the stream invertebrate <i>Gammarus pulex</i> . Hydrobiologia, 2007, 589, 155-164.	2.0	42
70	A simple equation for describing the temperature dependent growth of free-floating macrophytes. Aquatic Botany, 2006, 84, 171-175.	1.6	47
71	Behavioural responses of <i>Gammarus pulex</i> (Crustacea, Amphipoda) to low concentrations of pharmaceuticals. Aquatic Toxicology, 2006, 78, 209-216.	4.0	239
72	Experiments with duckweed-moth systems suggest that global warming may reduce rather than promote herbivory. Freshwater Biology, 2006, 51, 110-116.	2.4	19

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73	AVOIDANCE OF POLYCYCLIC AROMATIC HYDROCARBONâ€“CONTAMINATED SEDIMENTS BY THE FRESHWATER INVERTEBRATES GAMMARUS PULEX AND ASELLUS AQUATICUS. Environmental Toxicology and Chemistry, 2006, 25, 452.	4.3	71
74	Effect of Silt, Water and Periphyton Quality on Survival and Growth of the Mayfly Heptagenia ÅSulphurea. Aquatic Ecology, 2006, 40, 373-380.	1.5	10
75	Effects of interstitial refugia and current velocity on growth of the amphipod Gammarus pulex Linnaeus. Journal of the North American Benthological Society, 2006, 25, 656-663.	3.1	32
76	Growth of shredders on leaf litter biofilms: the effect of light intensity. Freshwater Biology, 2005, 50, 459-466.	2.4	64
77	Attraction of the amphipod Gammarus pulex to water-borne cues of food. Hydrobiologia, 2005, 544, 19-25.	2.0	28
78	Ditch maintenance and biodiversity of macrophytes in the Netherlands. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2005, 29, 185-189.	0.1	1
79	Contaminated sediments and bioassay responses of three macroinvertebrates, the midge larva Chironomus riparius, the water louse Asellus aquaticus and the mayfly nymph Ephoron virgo. Chemosphere, 2005, 61, 1700-1709.	8.2	28
80	Benthic macroinvertebrate community structure in relation to food and environmental variables. Hydrobiologia, 2004, 519, 103-115.	2.0	67
81	TRACE METAL AVAILABILITY AND EFFECTS ON BENTHIC COMMUNITY STRUCTURE IN FLOODPLAIN LAKES. Environmental Toxicology and Chemistry, 2004, 23, 668.	4.3	42
82	The determination of ecological status in shallow lakes - a tested system (ECOFRAME) for implementation of the European Water Framework Directive. Aquatic Conservation: Marine and Freshwater Ecosystems, 2003, 13, 507-549.	2.0	266
83	Vegetation abundance in lowland flood plan lakes determined by surface area, age and connectivity. Freshwater Biology, 2003, 48, 440-454.	2.4	95
84	Evaluation of bioassays versus contaminant concentrations in explaining the macroinvertebrate community structure in the Rhineâ€“Meuse delta, The Netherlands. Environmental Toxicology and Chemistry, 2001, 20, 2883-2891.	4.3	42
85	EVALUATION OF BIOASSAYS VERSUS CONTAMINANT CONCENTRATIONS IN EXPLAINING THE MACROINVERTEBRATE COMMUNITY STRUCTURE IN THE RHINE-MEUSE DELTA, THE NETHERLANDS. Environmental Toxicology and Chemistry, 2001, 20, 2883.	4.3	9
86	Contribution of trace metals in structuring in situ macroinvertebrate community composition along a salinity gradient. Environmental Toxicology and Chemistry, 2000, 19, 1002-1010.	4.3	36
87	Effects of Benzo(a)pyrene and Size of Organic Matter Particles on Bioaccumulation and Growth of Asellus aquaticus. Archives of Environmental Contamination and Toxicology, 2000, 39, 307-314.	4.1	18
88	CONTRIBUTION OF TRACE METALS IN STRUCTURING IN SITU MACROINVERTEBRATE COMMUNITY COMPOSITION ALONG A SALINITY GRADIENT. Environmental Toxicology and Chemistry, 2000, 19, 1002.	4.3	6
89	Logistic regression as a tool for defining habitat requirements of two common gammarids. Freshwater Biology, 1998, 39, 605-615.	2.4	89