

Piet Spaak

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,979
citations

186265

28
h-index

175258

52
g-index

79
all docs

79
docs citations

79
times ranked

3203
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically induced anti-predator defences in plankton: a review. <i>Hydrobiologia</i> , 2003, 491, 221-239.	2.0	320
2	Predator-Mediated Plasticity in Morphology, Life History, and Behavior of <i>Daphnia</i> : The Uncoupling of Responses. <i>American Naturalist</i> , 1998, 152, 237-248.	2.1	277
3	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , 2015, 18, 597-611.	6.4	242
4	Homogenization of lake cyanobacterial communities over a century of climate change and eutrophication. <i>Nature Ecology and Evolution</i> , 2018, 2, 317-324.	7.8	133
5	Genetic markers, genealogies and biogeographic patterns in the cladocera. <i>Aquatic Ecology</i> , 1998, 32, 37-51.	1.5	115
6	The impact of human-made ecological changes on the genetic architecture of <i>Daphnia</i> species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4758-4763.	7.1	112
7	Life History Variation and the Coexistence of a <i>Daphnia</i> Hybrid With Its Parental Species. <i>Ecology</i> , 1995, 76, 553-564.	3.2	81
8	THE COST OF BEING COMMON: EVIDENCE FROM NATURAL <i>DAPHNIA</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1893-1901.	2.3	78
9	Sedimentary DNA Reveals Cyanobacterial Community Diversity over 200 Years in Two Perialpine Lakes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6472-6482.	3.1	75
10	Macroinvertebrate diversity in fragmented Alpine streams: implications for freshwater conservation. <i>Aquatic Sciences</i> , 2005, 67, 454-464.	1.5	71
11	The coexistence of hybrid and parental <i>Daphnia</i> : the role of parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1977-1983.	2.6	68
12	Genetic differentiation of <i>Baetis alpinus</i> Pictet (Ephemeroptera: Baetidae) in fragmented alpine streams. <i>Heredity</i> , 2001, 86, 395-403.	2.6	64
13	Temporal changes in the genetic structure of the <i>Daphnia</i> species complex in Tjeukemeer, with evidence for backcrossing. <i>Heredity</i> , 1996, 76, 539-548.	2.6	62
14	Spatial, environmental and anthropogenic effects on the taxon composition of hybridizing <i>Daphnia</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2943-2952.	4.0	61
15	Individual-level trait diversity predicts phytoplankton community properties better than species richness or evenness. <i>ISME Journal</i> , 2018, 12, 356-366.	9.8	61
16	Nonrandom sexual reproduction and diapausing egg production in a <i>Daphnia</i> hybrid species complex. <i>Limnology and Oceanography</i> , 2004, 49, 1393-1400.	3.1	58
17	Long Term Diversity and Distribution of Non-photosynthetic Cyanobacteria in Peri-Alpine Lakes. <i>Frontiers in Microbiology</i> , 2018, 9, 3344.	3.5	55
18	TRADE-OFFS IN <i>DAPHNIA</i> HABITAT SELECTION. <i>Ecology</i> , 2004, 85, 2027-2036.	3.2	51

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19	Sexual reproduction in <i>Daphnia</i> : interspecific differences in a hybrid species complex. <i>Oecologia</i> , 1995, 104, 501-507.	2.0	49
20	Acoustic observations of zooplankton in lakes using a Doppler current profiler. <i>Freshwater Biology</i> , 2004, 49, 1280-1292.	2.4	43
21	Consumer-resource dynamics is an eco-evolutionary process in a natural plankton community. <i>Nature Ecology and Evolution</i> , 2019, 3, 1351-1358.	7.8	43
22	Reproductive isolation keeps hybridizing <i>Daphnia</i> species distinct. <i>Limnology and Oceanography</i> , 2007, 52, 984-991.	3.1	40
23	Parasite survey of a <i>Daphnia</i> hybrid complex: host-specificity and environment determine infection. <i>Journal of Animal Ecology</i> , 2007, 76, 191-200.	2.8	39
24	Fish predation on a <i>Daphnia</i> hybrid species complex: A factor explaining species coexistence?. <i>Limnology and Oceanography</i> , 1997, 42, 753-762.	3.1	37
25	Hatching with the enemy: <i>Daphnia</i> diapausing eggs hatch in the presence of fish kairomones. <i>Chemoecology</i> , 2005, 15, 7-12.	1.1	33
26	Tail spine length in the <i>Daphnia galeata</i> complex: costs and benefits of induction by fish. <i>Aquatic Ecology</i> , 1997, 31, 89-98.	1.5	32
27	Parasites in hybridizing communities: the Red Queen again?. <i>Trends in Parasitology</i> , 2008, 24, 121-126.	3.3	32
28	Do parasites lower <i>Daphnia</i> hybrid fitness?. <i>Limnology and Oceanography</i> , 2004, 49, 1401-1407.	3.1	31
29	Anthropogenic eutrophication shapes the past and present taxonomic composition of hybridizing <i>Daphnia</i> in unproductive lakes. <i>Limnology and Oceanography</i> , 2011, 56, 292-302.	3.1	31
30	Temporary collapse of the <i>Daphnia</i> population in turbid and ultra-oligotrophic Lake Brienz. <i>Aquatic Sciences</i> , 2007, 69, 257-270.	1.5	29
31	Effect of the filter feeder <i>Daphnia</i> on the particle size distribution of inorganic colloids in freshwaters. <i>Water Research</i> , 2008, 42, 1919-1924.	11.3	27
32	Modes and mechanisms of a <i>Daphnia</i> invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2936-2944.	2.6	27
33	Population genetic dynamics of an invasion reconstructed from the sediment egg bank. <i>Molecular Ecology</i> , 2015, 24, 4074-4093.	3.9	26
34	Mechanisms regulating zooplankton populations in a high-mountain lake. <i>Freshwater Biology</i> , 2003, 48, 795-809.	2.4	25
35	Starving with a full gut? Effect of suspended particles on the fitness of <i>Daphnia hyalina</i> . <i>Hydrobiologia</i> , 2007, 594, 131-139.	2.0	25
36	Taxon-specific reaction norms to predator cues in a hybrid <i>Daphnia</i> complex. <i>Freshwater Biology</i> , 2007, 52, 1198-1209.	2.4	23

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37	Temperature effects on parasite prevalence in a natural hybrid complex. <i>Biology Letters</i> , 2011, 7, 108-111.	2.3	23
38	Cyanobacteria Affect Fitness and Genetic Structure of Experimental <i>Daphnia</i> Populations. <i>Environmental Science & Technology</i> , 2016, 50, 3416-3424.	10.0	22
39	Rapid evolutionary loss of metal resistance revealed by hatching decades-old eggs. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 398-407.	2.3	20
40	Title is missing!. <i>Hydrobiologia</i> , 2001, 442, 185-193.	2.0	19
41	High dispersal levels and lake warming are emergent drivers of cyanobacterial community assembly in peri-Alpine lakes. <i>Scientific Reports</i> , 2019, 9, 7366.	3.3	18
42	Hybridization in the <i>Daphnia galeata</i> complex: are hybrids locally produced?. <i>Hydrobiologia</i> , 1997, 360, 127-133.	2.0	17
43	At the edge and on the top: molecular identification and ecology of <i>Daphnia dentifera</i> and <i>D. longispina</i> in high-altitude Asian lakes. <i>Hydrobiologia</i> , 2013, 715, 51-62.	2.0	17
44	Sedimentary and egg-bank DNA from 3 European lakes reveal concurrent changes in the composition and diversity of cyanobacterial and <i>Daphnia</i> communities. <i>Hydrobiologia</i> , 2017, 800, 155-172.	2.0	17
45	Parasites driving host diversity: Incidence of disease correlated with <i>Daphnia</i> clonal turnover*. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 619-629.	2.3	16
46	Title is missing!. <i>Hydrobiologia</i> , 1997, 360, 177-185.	2.0	15
47	Have Human Impacts Changed Alpine Zooplankton Diversity over the past 100 Years?. <i>Arctic, Antarctic, and Alpine Research</i> , 2001, 33, 467-475.	1.1	14
48	Epidemiology of a <i>Daphnia</i> brood parasite and its implications on host life-history traits. <i>Oecologia</i> , 2007, 154, 369-375.	2.0	14
49	A mixture of environmental organic contaminants in lake sediments affects hatching from <i>Daphnia</i> resting eggs. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 338-345.	4.3	14
50	Disease and pollution alter <i>Daphnia</i> taxonomic and clonal structure in experimental assemblages. <i>Freshwater Biology</i> , 2012, 57, 1865-1874.	2.4	12
51	<i>Daphnia</i> parasite dynamics across multiple <i>Caullerya</i> epidemics indicate selection against common parasite genotypes. <i>Zoology</i> , 2016, 119, 314-321.	1.2	11
52	Carbon as an indicator of <i>Daphnia</i> condition in an alpine lake. <i>Hydrobiologia</i> , 2001, 442, 269-278.	2.0	10
53	Amplified Fragment Length Polymorphism (AFLP) Reveals Species-Specific Markers in the <i>Daphnia Galeata</i> "Hyalina Species Complex. <i>Hydrobiologia</i> , 2004, 526, 63-71.	2.0	10
54	Combined exposure to parasite and pesticide causes increased mortality in the water flea <i>Daphnia</i> . <i>Aquatic Ecology</i> , 2012, 46, 261-268.	1.5	10

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55	Life history patterns of parental and hybrid <i>Daphnia</i> differ between lakes. <i>Freshwater Biology</i> , 2004, 49, 1372-1380.	2.4	9
56	Sex in crowded places: population density regulates reproductive strategy. <i>Hydrobiologia</i> , 2020, 847, 1727-1738.	2.0	9
57	On biological evolution and environmental solutions. <i>Science of the Total Environment</i> , 2020, 724, 138194.	8.0	9
58	Have Human Impacts Changed Alpine Zooplankton Diversity over the past 100 Years?. <i>Arctic, Antarctic, and Alpine Research</i> , 2001, 33, 467.	1.1	9
59	Does trimethylamine induce life-history reactions in <i>Daphnia</i> ?. <i>Hydrobiologia</i> , 2001, 442, 199-206.	2.0	8
60	No Evidence for Adaptive Micro-Evolution to a Decrease in Phosphorus-Loading of a <i>Daphnia</i> Population Inhabiting A Pre-Alpine Lake. <i>Hydrobiologia</i> , 2004, 526, 15-21.	2.0	8
61	Predator mediated coexistence of hybrid and parental <i>Daphnia</i> taxa. <i>Archiv Für Hydrobiologie</i> , 2006, 167, 55-76.	1.1	8
62	New possibilities arise for studies of hybridization: SNP-based markers for the multi-species <i>Daphnia longispina</i> complex derived from transcriptome data. <i>Journal of Plankton Research</i> , 2015, 37, 626-635.	1.8	8
63	Interactive effects of foundation species on ecosystem functioning and stability in response to disturbance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191857.	2.6	8
64	<i>Ehippia</i> and <i>Daphnia</i> abundances under changing trophic conditions. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2002, 28, 851-855.	0.1	6
65	Diversity and distribution of <i>Daphnia</i> across space and time in Danube Delta lakes explained by food quality and abundance. <i>Hydrobiologia</i> , 2019, 842, 39-54.	2.0	6
66	Non-additive effects of foundation species determine the response of aquatic ecosystems to nutrient perturbation. <i>Ecology</i> , 2021, 102, e03371.	3.2	6
67	Macroinvertebrate diversity in fragmented Alpine streams: implications for freshwater conservation. <i>Aquatic Sciences</i> , 2005, 67, 454-464.	1.5	6
68	Host-Associated Bacterial Communities Vary Between <i>Daphnia galeata</i> Genotypes but Not by Host Genetic Distance. <i>Microbial Ecology</i> , 2023, 85, 1578-1589.	2.8	6
69	Genetic variation and clonal differentiation in the <i>Daphnia</i> population of the Greifensee, a pre-alpine Swiss lake. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 1919-1923.	0.1	5
70	Eco-Evolutionary Dynamics in Freshwater Systems. , 2021, , .		2
71	Effects of Juvenile Host Density and Food Availability on Adult Immune Response, Parasite Resistance and Virulence in a <i>Daphnia</i> -Parasite System. <i>PLoS ONE</i> , 2014, 9, e94569.	2.5	1
72	Clonal structure and depth selection during a <i>Caullerya mesnili</i> epidemic in a hybridizing population of the <i>Daphnia longispina</i> complex. <i>Hydrobiologia</i> , 2017, 798, 33-44.	2.0	1

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73	Using DNA from formaldehyde-preserved Daphnia to reconstruct past populations. <i>Hydrobiologia</i> , 2019, 841, 153-161.	2.0	1
74	Geographical and temporal patterns of cyanobacterial assemblages in the Danube Delta lake complexes. <i>Hydrobiologia</i> , 2021, 848, 753-771.	2.0	1
75	Winfried Lampert – International Visionary for the Aquatic Sciences. <i>Limnology and Oceanography Bulletin</i> , 2021, 30, 107-113.	0.4	0