

Tomas Brodin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

4,065
citations

30
h-index

63
g-index

100
ext. papers

4,947
ext. citations

6.8
avg, IF

5.71
L-index

#	Paper	IF	Citations
94	Dilute concentrations of a psychiatric drug alter behavior of fish from natural populations. <i>Science</i> , 2013 , 339, 814-5	33.3	536
93	Personality-dependent dispersal: characterization, ontogeny and consequences for spatially structured populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 4065-76	5.8	392
92	Behavioural syndromes in fishes: a review with implications for ecology and fisheries management. <i>Journal of Fish Biology</i> , 2011 , 78, 395-435	1.9	321
91	Personality traits and dispersal tendency in the invasive mosquitofish (<i>Gambusia affinis</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1571-9	4.4	305
90	Ecological effects of pharmaceuticals in aquatic systems--impacts through behavioural alterations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	267
89	Personality-dependent dispersal in the invasive mosquitofish: group composition matters. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1670-8	4.4	122
88	A diverse suite of pharmaceuticals contaminates stream and riparian food webs. <i>Nature Communications</i> , 2018 , 9, 4491	17.4	118
87	Direct and indirect effects of chemical contaminants on the behaviour, ecology and evolution of wildlife. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	115
86	ToxTrac: A fast and robust software for tracking organisms. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 460-464	7.7	106
85	CONFLICTING SELECTION PRESSURES ON THE GROWTH/PREDATION-RISK TRADE-OFF IN A DAMSELFLY. <i>Ecology</i> , 2004 , 85, 2927-2932	4.6	100
84	Bioaccumulation of five pharmaceuticals at multiple trophic levels in an aquatic food web - Insights from a field experiment. <i>Science of the Total Environment</i> , 2016 , 568, 208-215	10.2	81
83	Personality-dependent dispersal cancelled under predation risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20132349	4.4	80
82	Behavioral syndrome over the boundaries of life-history transitions from larvae to adult damselfly. <i>Behavioral Ecology</i> , 2009 , 20, 30-37	2.3	73
81	Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2281-2295	3.8	68
80	Long-Term Persistence of an Anxiolytic Drug (Oxazepam) in a Large Freshwater Lake. <i>Environmental Science & Technology</i> , 2015 , 49, 10406-12	10.3	58
79	The conceptual imperfection of aquatic risk assessment tests: highlighting the need for tests designed to detect therapeutic effects of pharmaceutical contaminants. <i>Environmental Research Letters</i> , 2014 , 9, 084003	6.2	55
78	Sexual size dimorphism and sex ratios in dragonflies (Odonata). <i>Biological Journal of the Linnean Society</i> , 2005 , 86, 507-513	1.9	55

77	Antihistamines and aquatic insects: bioconcentration and impacts on behavior in damselfly larvae (Zygoptera). <i>Science of the Total Environment</i> , 2014 , 472, 108-11	10.2	51
76	Evolution of animal personalities. <i>Nature</i> , 2007 , 450, E5; discussion E5-6	50.4	50
75	Personality trait differences between mainland and island populations in the common frog (<i>Rana temporaria</i>). <i>Behavioral Ecology and Sociobiology</i> , 2013 , 67, 135-143	2.5	49
74	Exposure to wastewater effluent affects fish behaviour and tissue-specific uptake of pharmaceuticals. <i>Science of the Total Environment</i> , 2017 , 605-606, 578-588	10.2	49
73	Phenotypic plasticity in gender specific life-history: effects of food availability and predation. <i>Oikos</i> , 2005 , 110, 91-100	4	49
72	GABAergic anxiolytic drug in water increases migration behaviour in salmon. <i>Nature Communications</i> , 2016 , 7, 13460	17.4	47
71	Differential removal of human pathogenic viruses from sewage by conventional and ozone treatments. <i>International Journal of Hygiene and Environmental Health</i> , 2018 , 221, 479-488	6.9	45
70	Predator related oviposition site selection of aquatic beetles (<i>Hydroporus</i> spp.) and effects on offspring life-history. <i>Freshwater Biology</i> , 2006 , 51, 1277-1285	3.1	41
69	Behavioural and life history effects of predator diet cues during ontogeny in damselfly larvae. <i>Oecologia</i> , 2006 , 148, 162-9	2.9	41
68	ToxId: an efficient algorithm to solve occlusions when tracking multiple animals. <i>Scientific Reports</i> , 2017 , 7, 14774	4.9	39
67	Screening of benzodiazepines in thirty European rivers. <i>Chemosphere</i> , 2017 , 176, 324-332	8.4	37
66	Environmental relevant levels of a benzodiazepine (oxazepam) alters important behavioral traits in a common planktivorous fish, (<i>Rutilus rutilus</i>). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 963-970	3.2	35
65	Effects of predator-induced thinning and activity changes on life history in a damselfly. <i>Oecologia</i> , 2002 , 132, 316-322	2.9	34
64	Behavioral dependent dispersal in the invasive round goby <i>Neogobius melanostomus</i> depends on population age. <i>Environmental Epigenetics</i> , 2015 , 61, 529-542	2.4	28
63	The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science & Technology</i> , 2021 , 55, 5620-5628	10.3	28
62	Effect of bioconcentration and trophic transfer on realized exposure to oxazepam in 2 predators, the dragonfly larvae (<i>Aeshna grandis</i>) and the Eurasian perch (<i>Perca fluviatilis</i>). <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 930-7	3.8	28
61	Behavioural effects of psychoactive pharmaceutical exposure on European perch (<i>Perca fluviatilis</i>) in a multi-stressor environment. <i>Science of the Total Environment</i> , 2019 , 655, 1311-1320	10.2	26
60	Fish on steroids: Temperature-dependent effects of 17 β -trenbolone on predator escape, boldness, and exploratory behaviors. <i>Environmental Pollution</i> , 2019 , 245, 243-252	9.3	26

59	An approach to incorporate individual personality in modeling fish dispersal across in-stream barriers. <i>Ecology and Evolution</i> , 2017 , 7, 720-732	2.8	25
58	Emerging investigator series: use of behavioural endpoints in the regulation of chemicals. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 49-65	4.3	25
57	Drug-Induced Behavioral Changes: Using Laboratory Observations to Predict Field Observations. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	24
56	Species abundance models and patterns in dragonfly communities: effects of fish predators. <i>Oikos</i> , 2006 , 114, 27-36	4	22
55	Foraging rates of larval dragonfly colonists are positively related to habitat isolation: results from a landscape-level experiment. <i>American Naturalist</i> , 2010 , 175, E66-73	3.7	19
54	Condition-dependent behaviour among damselfly populations. <i>Canadian Journal of Zoology</i> , 2004 , 82, 653-659	1.5	19
53	Reproduction in a polluted world: implications for wildlife. <i>Reproduction</i> , 2020 , 160, R13-R23	3.8	19
52	Upscaling behavioural studies to the field using acoustic telemetry. <i>Aquatic Toxicology</i> , 2016 , 170, 384-389	3.9	18
51	Investigating tissue bioconcentration and the behavioural effects of two pharmaceutical pollutants on sea trout (<i>Salmo trutta</i>) in the laboratory and field. <i>Aquatic Toxicology</i> , 2019 , 207, 170-178	5.1	18
50	Effects of an antihistamine on carbon and nutrient recycling in streams. <i>Science of the Total Environment</i> , 2015 , 538, 240-5	10.2	16
49	Bioconcentration and behavioral effects of four benzodiazepines and their environmentally relevant mixture in wild fish. <i>Science of the Total Environment</i> , 2020 , 702, 134780	10.2	16
48	Non-random dispersal mediates invader impacts on the invertebrate community. <i>Journal of Animal Ecology</i> , 2017 , 86, 1298-1307	4.7	15
47	Individual variation in dispersal associated behavioral traits of the invasive Chinese mitten crab (<i>Eriocheir sinensis</i> , H. Milne Edwards, 1854) during initial invasion of Lake Vänern, Sweden. <i>Environmental Epigenetics</i> , 2014 , 60, 410-416	2.4	15
46	Intermediate predator impact on consumers weakens with increasing predator diversity in the presence of a top-predator. <i>Acta Oecologica</i> , 2007 , 31, 79-85	1.7	15
45	Chronic Exposure to Oxazepam Pollution Produces Tolerance to Anxiolytic Effects in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2020 , 54, 1760-1769	10.3	14
44	Low concentrations of the benzodiazepine drug oxazepam induce anxiolytic effects in wild-caught but not in laboratory zebrafish. <i>Science of the Total Environment</i> , 2020 , 703, 134701	10.2	14
43	Behavioural alterations induced by the anxiolytic pollutant oxazepam are reversible after depuration in a freshwater fish. <i>Science of the Total Environment</i> , 2019 , 665, 390-399	10.2	13
42	Effects of ozonated sewage effluent on reproduction and behavioral endpoints in zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2018 , 200, 93-101	5.1	12

41	Early Engagement of Stakeholders with Individual-Based Modeling Can Inform Research for Improving Invasive Species Management: The Round Goby as a Case Study. <i>Frontiers in Ecology and Evolution</i> , 2017 , 5,	3.7	12
40	Less anxious salmon smolt become easy prey during downstream migration. <i>Science of the Total Environment</i> , 2019 , 687, 488-493	10.2	11
39	Spatial scale influences the outcome of the predator-prey space race between tadpoles and predatory dragonflies. <i>Functional Ecology</i> , 2012 , 26, 522-531	5.6	11
38	The old and the new: evaluating performance of acoustic telemetry systems in tracking migrating Atlantic salmon (<i>Salmo salar</i>) smolt and European eel (<i>Anguilla anguilla</i>) around hydropower facilities. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020 , 77, 177-187	2.4	11
37	Big-data approaches lead to an increased understanding of the ecology of animal movement.. <i>Science</i> , 2022 , 375, eabg1780	33.3	11
36	Tissue-specific uptake of the benzodiazepine oxazepam in adult Eurasian perch (<i>Perca fluviatilis</i>). <i>Environmental Chemistry</i> , 2016 , 13, 849	3.2	10
35	Slow-Release Implants for Manipulating Contaminant Exposures in Aquatic Wildlife: A New Tool for Field Ecotoxicology. <i>Environmental Science & Technology</i> , 2019 , 53, 8282-8290	10.3	9
34	No evidence of increased growth or mortality in fish exposed to oxazepam in semi-natural ecosystems. <i>Science of the Total Environment</i> , 2018 , 615, 608-614	10.2	9
33	Personality-dependent survival of the invasive mosquitofish: being social can be deadly. <i>Aquatic Invasions</i> , 2019 , 14, 465-477	2.9	9
32	Airborne microbial biodiversity and seasonality in Northern and Southern Sweden. <i>PeerJ</i> , 2020 , 8, e84243	3.1	9
31	Investigating large-scale invasion patterns using small scale invasion successions: phenotypic differentiation of the invasive round goby (<i>Neogobius melanostomus</i>) at invasion fronts. <i>Limnology and Oceanography</i> , 2018 , 63, 702-713	4.8	8
30	Home alone-The effects of isolation on uptake of a pharmaceutical contaminant in a social fish. <i>Aquatic Toxicology</i> , 2016 , 180, 71-77	5.1	8
29	Personality- and size-related metabolic performance in invasive round goby (<i>Neogobius melanostomus</i>). <i>Physiology and Behavior</i> , 2020 , 215, 112777	3.5	8
28	Sex-dependent personality in two invasive species of mosquitofish. <i>Biological Invasions</i> , 2020 , 22, 1353-1364	3.4	6
27	High-speed imaging reveals how antihistamine exposure affects escape behaviours in aquatic insect prey. <i>Science of the Total Environment</i> , 2019 , 648, 1257-1262	10.2	6
26	Larval behavioral syndrome does not affect emergence behavior in a damselfly (<i>Lestes congener</i>). <i>Journal of Ethology</i> , 2011 , 29, 107-113	1.1	5
25	Water temperature affects the biotransformation and accumulation of a psychoactive pharmaceutical and its metabolite in aquatic organisms. <i>Environment International</i> , 2021 , 155, 106705	12.9	5
24	Refining particle positions using circular symmetry. <i>PLoS ONE</i> , 2017 , 12, e0175015	3.7	4

23	Distribution patterns of the Chinese mitten crab (<i>Eriocheir sinensis</i> H. Milne Edwards, 1853) in Lake Vänern, Sweden. <i>Aquatic Invasions</i> , 2012 , 7, 243-249	2.9	4
22	A role for lakes in revealing the nature of animal movement using high dimensional telemetry systems. <i>Movement Ecology</i> , 2021 , 9, 40	4.6	4
21	Stability and uptake of methylphenidate and ritalinic acid in nine-spine stickleback (<i>Pungitius pungitius</i>) and water louse (<i>Asellus aquaticus</i>). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9371-9378	5.1	3
20	Novel metabolomic method to assess the effect-based removal efficiency of advanced wastewater treatment techniques. <i>Environmental Chemistry</i> , 2020 , 17, 1-5	3.2	3
19	Effects of boulder addition on European grayling (<i>Thymallus thymallus</i>) in a channelized river in Sweden. <i>Journal of Freshwater Ecology</i> , 2019 , 34, 559-573	1.4	3
18	Environmentally relevant concentrations of the common anxiolytic pharmaceutical oxazepam do not have acute effect on spawning behavior in mature male Atlantic salmon (<i>Salmo salar</i>) parr. <i>Journal of Applied Ichthyology</i> , 2020 , 36, 105-112	0.9	3
17	Using laboratory incubations to predict the fate of pharmaceuticals in aquatic ecosystems. <i>Environmental Chemistry</i> , 2018 , 15, 463	3.2	3
16	Changing Names with Changed Address: Integrated Taxonomy and Species Delimitation in the Holarctic Colymbetes paykulli Group (Coleoptera: Dytiscidae). <i>PLoS ONE</i> , 2015 , 10, e0143577	3.7	2
15	Metabolomics reveals changes in metabolite profiles due to growth and metamorphosis during the ontogeny of the northern damselfly. <i>Journal of Insect Physiology</i> , 2021 , 136, 104341	2.4	2
14	Two experimental designs generate contrasting patterns of behavioral differentiation along a latitudinal gradient in -Common-garden not so common after all?. <i>Ecology and Evolution</i> , 2020 , 10, 10242-10253	2.8	2
13	Oxylipins at intermediate larval stages of damselfly <i>Coenagrion hastulatum</i> as biochemical biomarkers for anthropogenic pollution. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 27629-27638	5.1	2
12	Social status modulates the behavioral and physiological consequences of a chemical pollutant in animal groups. <i>Ecological Applications</i> , 2021 , 31, e02454	4.9	2
11	Frontiers in quantifying wildlife behavioural responses to chemical pollution.. <i>Biological Reviews</i> , 2022 ,	13.5	2
10	Does range expansion modify trait covariation? A study of a northward expanding dragonfly. <i>Oecologia</i> , 2020 , 192, 565-575	2.9	1
9	Micropollutants.. <i>Current Biology</i> , 2022 , 32, R17-R19	6.3	1
8	Exposure via biotransformation: Oxazepam reaches predicted pharmacological effect levels in European perch after exposure to temazepam. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 217, 112246	7.6	1
7	Personality-dependent inter- and intraspecific foraging competition in the invasive round goby, <i>Neogobius melanostomus</i> . <i>Journal of Fish Biology</i> , 2021 , 98, 1234-1241	1.9	1
6	Antipredator phenotype in crucian carp altered by a psychoactive drug. <i>Ecology and Evolution</i> , 2021 , 11, 9435-9446	2.8	0

- 5 The future of psychiatry should be One Health.. *Reviews on Environmental Health*, **2022**, 3.8 ○
- 4 Environmentally relevant concentration of caffeine-effect on activity and circadian rhythm in wild perch.. *Environmental Science and Pollution Research*, **2022**, 1 5.1 ○
- 3 Adult insect personality in the wild- as a model for field studies.. *Ecology and Evolution*, **2021**, 11, 18467-18476 ○
- 2 Uptake, depuration, and behavioural effects of oxazepam on activity and foraging in a tropical snail (*Melanoides tuberculata*). *Environmental Advances*, **2022**, 8, 100187 3.5
- 1 Wastewater effluent affects behaviour and metabolomic endpoints in damselfly larvae.. *Scientific Reports*, **2022**, 12, 6830 4.9