

Tomas Brodin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7701390/tomas-brodin-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Micropollutants.. <i>Current Biology</i> , 2022 , 32, R17-R19 | 6.3 | 1 |
| 93 | Uptake, depuration, and behavioural effects of oxazepam on activity and foraging in a tropical snail (<i>Melanoides tuberculata</i>). <i>Environmental Advances</i> , 2022 , 8, 100187 | 3.5 | |
| 92 | Big-data approaches lead to an increased understanding of the ecology of animal movement.. <i>Science</i> , 2022 , 375, eabg1780 | 33.3 | 11 |
| 91 | Frontiers in quantifying wildlife behavioural responses to chemical pollution.. <i>Biological Reviews</i> , 2022 , | 13.5 | 2 |
| 90 | The future of psychiatry should be One Health.. <i>Reviews on Environmental Health</i> , 2022 , | 3.8 | 0 |
| 89 | Environmentally relevant concentration of caffeine-effect on activity and circadian rhythm in wild perch.. <i>Environmental Science and Pollution Research</i> , 2022 , 1 | 5.1 | 0 |
| 88 | Wastewater effluent affects behaviour and metabolomic endpoints in damselfly larvae.. <i>Scientific Reports</i> , 2022 , 12, 6830 | 4.9 | |
| 87 | 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 |
| 86 | The Role of Behavioral Ecotoxicology in Environmental Protection. <i>Environmental Science & Technology</i> , 2021 , 55, 5620-5628 | 10.3 | 28 |
| 85 | Antipredator phenotype in crucian carp altered by a psychoactive drug. <i>Ecology and Evolution</i> , 2021 , 11, 9435-9446 | 2.8 | 0 |
| 84 | 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 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | Adult insect personality in the wild- as a model for field studies.. <i>Ecology and Evolution</i> , 2021 , 11, 18467-18476 | 18.76 | 0 |

| | | | |
|----|--|------|----|
| 77 | 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 |
| 76 | Chronic Exposure to Oxazepam Pollution Produces Tolerance to Anxiolytic Effects in Zebrafish (). <i>Environmental Science & Technology</i> , 2020 , 54, 1760-1769 | 10.3 | 14 |
| 75 | Does range expansion modify trait covariation? A study of a northward expanding dragonfly. <i>Oecologia</i> , 2020 , 192, 565-575 | 2.9 | 1 |
| 74 | Reproduction in a polluted world: implications for wildlife. <i>Reproduction</i> , 2020 , 160, R13-R23 | 3.8 | 19 |
| 73 | Airborne microbial biodiversity and seasonality in Northern and Southern Sweden. <i>PeerJ</i> , 2020 , 8, e84243.1 | 3.1 | 9 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | Sex-dependent personality in two invasive species of mosquitofish. <i>Biological Invasions</i> , 2020 , 22, 1353-1364 | 3.4 | 6 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | Less anxious salmon smolt become easy prey during downstream migration. <i>Science of the Total Environment</i> , 2019 , 687, 488-493 | 10.2 | 11 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |

| | | | |
|----|--|------|-----|
| 59 | 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 |
| 58 | Personality-dependent survival of the invasive mosquitofish: being social can be deadly. <i>Aquatic Invasions</i> , 2019 , 14, 465-477 | 2.9 | 9 |
| 57 | 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 |
| 56 | Fish on steroids: Temperature-dependent effects of 17 β -Erenbolone on predator escape, boldness, and exploratory behaviors. <i>Environmental Pollution</i> , 2019 , 245, 243-252 | 9.3 | 26 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | ToxTrac: A fast and robust software for tracking organisms. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 460-464 | 7.7 | 106 |
| 51 | 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 |
| 50 | Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2281-2295 | 3.8 | 68 |
| 49 | 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 |
| 48 | 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 |
| 47 | A diverse suite of pharmaceuticals contaminates stream and riparian food webs. <i>Nature Communications</i> , 2018 , 9, 4491 | 17.4 | 118 |
| 46 | Using laboratory incubations to predict the fate of pharmaceuticals in aquatic ecosystems. <i>Environmental Chemistry</i> , 2018 , 15, 463 | 3.2 | 3 |
| 45 | 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 |
| 44 | Screening of benzodiazepines in thirty European rivers. <i>Chemosphere</i> , 2017 , 176, 324-332 | 8.4 | 37 |
| 43 | 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 |
| 42 | Non-random dispersal mediates invader impacts on the invertebrate community. <i>Journal of Animal Ecology</i> , 2017 , 86, 1298-1307 | 4.7 | 15 |

| | | | |
|----|--|------|-----|
| 41 | ToxId: an efficient algorithm to solve occlusions when tracking multiple animals. <i>Scientific Reports</i> , 2017 , 7, 14774 | 4.9 | 39 |
| 40 | 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 |
| 39 | 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 |
| 38 | Refining particle positions using circular symmetry. <i>PLoS ONE</i> , 2017 , 12, e0175015 | 3.7 | 4 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Upscaling behavioural studies to the field using acoustic telemetry. <i>Aquatic Toxicology</i> , 2016 , 170, 384-389 | 3.9 | 18 |
| 33 | Drug-Induced Behavioral Changes: Using Laboratory Observations to Predict Field Observations. <i>Frontiers in Environmental Science</i> , 2016 , 4, | 4.8 | 24 |
| 32 | 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 |
| 31 | GABAergic anxiolytic drug in water increases migration behaviour in salmon. <i>Nature Communications</i> , 2016 , 7, 13460 | 17.4 | 47 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Changing Names with Changed Address: Integrated Taxonomy and Species Delimitation in the Holarctic <i>Colymbetes paykulli</i> Group (Coleoptera: Dytiscidae). <i>PLoS ONE</i> , 2015 , 10, e0143577 | 3.7 | 2 |
| 26 | 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 |
| 25 | 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 V̄ern, Sweden. <i>Environmental Epigenetics</i> , 2014 , 60, 410-416 | 2.4 | 15 |
| 24 | 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 |

| | | | |
|----|---|------|-----|
| 23 | 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 |
| 22 | 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 |
| 21 | Dilute concentrations of a psychiatric drug alter behavior of fish from natural populations. <i>Science</i> , 2013 , 339, 814-5 | 33.3 | 536 |
| 20 | Personality-dependent dispersal cancelled under predation risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20132349 | 4.4 | 80 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | Behavioral syndrome over the boundaries of life-history: carryovers from larvae to adult damselfly. <i>Behavioral Ecology</i> , 2009 , 20, 30-37 | 2.3 | 73 |
| 10 | Evolution of animal personalities. <i>Nature</i> , 2007 , 450, E5; discussion E5-6 | 50.4 | 50 |
| 9 | 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 |
| 8 | Species abundance models and patterns in dragonfly communities: effects of fish predators. <i>Oikos</i> , 2006 , 114, 27-36 | 4 | 22 |
| 7 | 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 |
| 6 | Behavioural and life history effects of predator diet cues during ontogeny in damselfly larvae. <i>Oecologia</i> , 2006 , 148, 162-9 | 2.9 | 41 |

| | | | |
|---|--|-----|-----|
| 5 | Phenotypic plasticity in gender specific life-history: effects of food availability and predation. <i>Oikos</i> , 2005 , 110, 91-100 | 4 | 49 |
| 4 | Sexual size dimorphism and sex ratios in dragonflies (Odonata). <i>Biological Journal of the Linnean Society</i> , 2005 , 86, 507-513 | 1.9 | 55 |
| 3 | Condition-dependent behaviour among damselfly populations. <i>Canadian Journal of Zoology</i> , 2004 , 82, 653-659 | 1.5 | 19 |
| 2 | CONFLICTING SELECTION PRESSURES ON THE GROWTH/PREDATION-RISK TRADE-OFF IN A DAMSELFLY. <i>Ecology</i> , 2004 , 85, 2927-2932 | 4.6 | 100 |
| 1 | Effects of predator-induced thinning and activity changes on life history in a damselfly. <i>Oecologia</i> , 2002 , 132, 316-322 | 2.9 | 34 |