

Franz HÄglker

List of Publications by Year in descending order

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Version: 2024-02-01

146
papers

7,918
citations

53794

45
h-index

58581

82
g-index

154
all docs

154
docs citations

154
times ranked

6128
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Light pollution as a biodiversity threat. <i>Trends in Ecology and Evolution</i> , 2010, 25, 681-682. | 8.7 | 592 |
| 2 | Artificially lit surface of Earth at night increasing in radiance and extent. <i>Science Advances</i> , 2017, 3, e1701528. | 10.3 | 560 |
| 3 | The Dark Side of Light: A Transdisciplinary Research Agenda for Light Pollution Policy. <i>Ecology and Society</i> , 2010, 15, . | 2.3 | 375 |
| 4 | The biological impacts of artificial light at night: the research challenge. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140133. | 4.0 | 356 |
| 5 | NEW HORIZONS FOR MANAGING THE ENVIRONMENT: A REVIEW OF COUPLED SOCIAL–ECOLOGICAL SYSTEMS MODELING. <i>Natural Resource Modelling</i> , 2012, 25, 219-272. | 2.0 | 237 |
| 6 | Cloud Coverage Acts as an Amplifier for Ecological Light Pollution in Urban Ecosystems. <i>PLoS ONE</i> , 2011, 6, e17307. | 2.5 | 216 |
| 7 | The role of winter phenology in shaping the ecology of freshwater fish and their sensitivities to climate change. <i>Aquatic Sciences</i> , 2012, 74, 637-657. | 1.5 | 200 |
| 8 | Aerial survey and spatial analysis of sources of light pollution in Berlin, Germany. <i>Remote Sensing of Environment</i> , 2012, 126, 39-50. | 11.0 | 168 |
| 9 | High-Resolution Imagery of Earth at Night: New Sources, Opportunities and Challenges. <i>Remote Sensing</i> , 2015, 7, 1-23. | 4.0 | 168 |
| 10 | Insect declines and agroecosystems: does light pollution matter?. <i>Annals of Applied Biology</i> , 2018, 173, 180-189. | 2.5 | 137 |
| 11 | The influence of artificial light on stream and riparian ecosystems: questions, challenges, and perspectives. <i>Ecosphere</i> , 2011, 2, art122. | 2.2 | 133 |
| 12 | Worldwide variations in artificial skyglow. <i>Scientific Reports</i> , 2015, 5, 8409. | 3.3 | 133 |
| 13 | Light Pollution, Circadian Photoreception, and Melatonin in Vertebrates. <i>Sustainability</i> , 2019, 11, 6400. | 3.2 | 126 |
| 14 | Tube–dwelling invertebrates: tiny ecosystem engineers have large effects in lake ecosystems. <i>Ecological Monographs</i> , 2015, 85, 333-351. | 5.4 | 122 |
| 15 | Spotlight on fish: Light pollution affects circadian rhythms of European perch but does not cause stress. <i>Science of the Total Environment</i> , 2015, 511, 516-522. | 8.0 | 121 |
| 16 | Artificial Light at Night Affects Organism Flux across Ecosystem Boundaries and Drives Community Structure in the Recipient Ecosystem. <i>Frontiers in Environmental Science</i> , 2017, 5, . | 3.3 | 112 |
| 17 | Redefining efficiency for outdoor lighting. <i>Energy and Environmental Science</i> , 2014, 7, 1806-1809. | 30.8 | 110 |
| 18 | Microbial diversity and community respiration in freshwater sediments influenced by artificial light at night. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140130. | 4.0 | 107 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Swimming efficiency and the influence of morphology on swimming costs in fishes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 17-25. | 1.5 | 104 |
| 20 | A global agenda for advancing freshwater biodiversity research. <i>Ecology Letters</i> , 2022, 25, 255-263. | 6.4 | 95 |
| 21 | Impact of different colours of artificial light at night on melatonin rhythm and gene expression of gonadotropins in European perch. <i>Science of the Total Environment</i> , 2016, 543, 214-222. | 8.0 | 90 |
| 22 | The effects of artificial lighting on adult aquatic and terrestrial insects. <i>Freshwater Biology</i> , 2014, 59, 368-377. | 2.4 | 89 |
| 23 | Intraspecific temperature dependence of the scaling of metabolic rate with body mass in fishes and its ecological implications. <i>Oikos</i> , 2012, 121, 245-251. | 2.7 | 88 |
| 24 | Do artificially illuminated skies affect biodiversity in nocturnal landscapes?. <i>Landscape Ecology</i> , 2013, 28, 1637-1640. | 4.2 | 86 |
| 25 | Red is the new black: how the colour of urban skyglow varies with cloud cover. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 701-708. | 4.4 | 83 |
| 26 | The future distribution of river fish: The complex interplay of climate and land use changes, species dispersal and movement barriers. <i>Global Change Biology</i> , 2017, 23, 4970-4986. | 9.5 | 79 |
| 27 | Temperature-related physiological adaptations promote ecological divergence in a sympatric species pair of temperate freshwater fish, <i>Coregonus</i> spp.. <i>Functional Ecology</i> , 2008, 22, 501-508. | 3.6 | 72 |
| 28 | Tracking the dynamics of skyglow with differential photometry using a digital camera with fisheye lens. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 209, 212-223. | 2.3 | 72 |
| 29 | Citizen Science Provides Valuable Data for Monitoring Global Night Sky Luminance. <i>Scientific Reports</i> , 2013, 3, 1835. | 3.3 | 66 |
| 30 | Synergistic and antagonistic interactions of future land use and climate change on river fish assemblages. <i>Global Change Biology</i> , 2016, 22, 1505-1522. | 9.5 | 66 |
| 31 | Exploring ultimate hypotheses to predict diel vertical migrations in coregonid fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007, 64, 874-886. | 1.4 | 65 |
| 32 | Imaging and mapping the impact of clouds on skyglow with all-sky photometry. <i>Scientific Reports</i> , 2017, 7, 6741. | 3.3 | 65 |
| 33 | Effects of temperature, swimming speed and body mass on standard and active metabolic rate in vendace (<i>Coregonus albula</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 905-916. | 1.5 | 64 |
| 34 | 11 Pressing Research Questions on How Light Pollution Affects Biodiversity. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 64 |
| 35 | Beyond All-Sky: Assessing Ecological Light Pollution Using Multi-Spectral Full-Sphere Fisheye Lens Imaging. <i>Journal of Imaging</i> , 2019, 5, 46. | 3.0 | 61 |
| 36 | Can feeding of fish on terrestrial insects subsidize the nutrient pool of lakes?. <i>Limnology and Oceanography</i> , 2005, 50, 2022-2031. | 3.1 | 60 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Street lighting: sex-independent impacts on moth movement. <i>Journal of Animal Ecology</i> , 2016, 85, 1352-1360. | 2.8 | 60 |
| 38 | Energy reserves during food deprivation and compensatory growth in juvenile roach: the importance of season and temperature. <i>Journal of Fish Biology</i> , 2005, 66, 167-181. | 1.6 | 58 |
| 39 | Emergent properties in individual-based ecological models—introducing case studies in an ecosystem research context. <i>Ecological Modelling</i> , 2005, 186, 376-388. | 2.5 | 57 |
| 40 | The underestimated dynamics and impacts of water-based recreational activities on freshwater ecosystems. <i>Environmental Reviews</i> , 2018, 26, 199-213. | 4.5 | 56 |
| 41 | Innovation in Citizen Science – Perspectives on Science-Policy Advances. <i>Citizen Science: Theory and Practice</i> , 2018, 3, 4. | 1.2 | 56 |
| 42 | Size-dependent predator-prey relationships between pikeperch and their prey fish. <i>Ecology of Freshwater Fish</i> , 2007, 16, 307-314. | 1.4 | 50 |
| 43 | Influence of light intensity and spectral composition of artificial light at night on melatonin rhythm and mRNA expression of gonadotropins in roach <i>Rutilus rutilus</i> . <i>Fish Physiology and Biochemistry</i> , 2018, 44, 1-12. | 2.3 | 50 |
| 44 | Influence of artificially induced light pollution on the hormone system of two common fish species, perch and roach, in a rural habitat. , 2018, 6, coy016. | | 49 |
| 45 | The metabolic rate of roach in relation to body size and temperature. <i>Journal of Fish Biology</i> , 2003, 62, 565-579. | 1.6 | 48 |
| 46 | Dietary changes in predators and scavengers in a nocturnally illuminated riparian ecosystem. <i>Oikos</i> , 2018, 127, 960-969. | 2.7 | 48 |
| 47 | TRAIT-MEDIATED INDIRECT EFFECTS OF PREDATORY FISH ON MICROBIAL MINERALIZATION IN AQUATIC SEDIMENTS. <i>Ecology</i> , 2006, 87, 3152-3159. | 3.2 | 47 |
| 48 | Using all-sky differential photometry to investigate how nocturnal clouds darken the night sky in rural areas. <i>Scientific Reports</i> , 2019, 9, 1391. | 3.3 | 46 |
| 49 | Effects of piscivore-mediated habitat use on growth, diet and zooplankton consumption of roach: an individual-based modelling approach. <i>Freshwater Biology</i> , 2002, 47, 2345-2358. | 2.4 | 45 |
| 50 | Artificial light as a disturbance to light-sensitive streams. <i>Freshwater Biology</i> , 2014, 59, 2235-2244. | 2.4 | 45 |
| 51 | How dark is a river? Artificial light at night in aquatic systems and the need for comprehensive nighttime light measurements. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1388. | 6.5 | 45 |
| 52 | Artificial light at night decreases biomass and alters community composition of benthic primary producers in a subalpine stream. <i>Limnology and Oceanography</i> , 2017, 62, 2799-2810. | 3.1 | 44 |
| 53 | Spatial and temporal heterogeneity of trophic variables in a deep lake as reflected by repeated singular samplings. <i>Oikos</i> , 2005, 108, 401-409. | 2.7 | 42 |
| 54 | Artificial light at night: implications for early life stages development in four temperate freshwater fish species. <i>Aquatic Sciences</i> , 2011, 73, 143-152. | 1.5 | 42 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Adaptive behaviour of chironomid larvae (<i>Chironomus riparius</i>) in response to chemical stimuli from predators and resource density. <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 256-263. | 1.4 | 41 |
| 56 | Bright nights and social interactions: a neglected issue. <i>Behavioral Ecology</i> , 2015, 26, 334-339. | 2.2 | 41 |
| 57 | Species-specific responses of planktivorous fish to the introduction of a new piscivore: implications for prey fitness. <i>Freshwater Biology</i> , 2007, 52, 1793-1806. | 2.4 | 39 |
| 58 | Artificial Light at Night Influences Clock-Gene Expression, Activity, and Fecundity in the Mosquito <i>Culex pipiens f. molestus</i> . <i>Sustainability</i> , 2019, 11, 6220. | 3.2 | 39 |
| 59 | Mapping the brightness and color of urban to rural skyglow with all-sky photometry. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 250, 106988. | 2.3 | 39 |
| 60 | Artificial Light at Night Affects Emergence from a Refuge and Space Use in Guppies. <i>Scientific Reports</i> , 2018, 8, 14131. | 3.3 | 38 |
| 61 | Lunar skylight polarization signal polluted by urban lighting. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 37 |
| 62 | A transition to white LED increases ecological impacts of nocturnal illumination on aquatic primary producers in a lowland agricultural drainage ditch. <i>Environmental Pollution</i> , 2018, 240, 630-638. | 7.5 | 37 |
| 63 | Modelling energetic costs of fish swimming. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 657-664. | 1.3 | 36 |
| 64 | Influence of activity in a heterogeneous environment on the dynamics of fish growth: an individual-based model of roacl. <i>Journal of Fish Biology</i> , 2002, 60, 1170-1189. | 1.6 | 35 |
| 65 | The concepts of emergent and collective properties in individual-based models – Summary and outlook of the Bornhoved case studies. <i>Ecological Modelling</i> , 2005, 186, 489-501. | 2.5 | 35 |
| 66 | Biology of Ruffe (<i>Gymnocephalus cernuus</i> (L.)) – A Review of Selected Aspects from European Literature. <i>Journal of Great Lakes Research</i> , 1998, 24, 186-204. | 1.9 | 34 |
| 67 | Response of the residential piscivorous fish community to introduction of a new predator type in a mesotrophic lake. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 2202-2212. | 1.4 | 34 |
| 68 | Is ecological segregation in a pair of sympatric coregonines supported by divergent feeding efficiencies?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008, 65, 2105-2113. | 1.4 | 34 |
| 69 | Working with Inadequate Tools: Legislative Shortcomings in Protection against Ecological Effects of Artificial Light at Night. <i>Sustainability</i> , 2020, 12, 2551. | 3.2 | 34 |
| 70 | Revisiting global trends in freshwater insect biodiversity. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1506. | 6.5 | 34 |
| 71 | Evaluating the summer night sky brightness at a research field site on Lake Stechlin in northeastern Germany. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 181, 24-32. | 2.3 | 33 |
| 72 | Can skyglow reduce nocturnal melatonin concentrations in Eurasian perch?. <i>Environmental Pollution</i> , 2020, 262, 114324. | 7.5 | 33 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | A spatiotemporal individual-based fish model to investigate emergent properties at the organismal and the population level. <i>Ecological Modelling</i> , 2005, 186, 406-426. | 2.5 | 32 |
| 74 | Out of the Dark: Establishing a Large-Scale Field Experiment to Assess the Effects of Artificial Light at Night on Species and Food Webs. <i>Sustainability</i> , 2015, 7, 15593-15616. | 3.2 | 32 |
| 75 | An unintended experiment in fisheries science: a marine area protected by war results in Mexican waves in fish numbers-at-age. <i>Die Naturwissenschaften</i> , 2010, 97, 797-808. | 1.6 | 31 |
| 76 | Snowglowâ€”The Amplification of Skyglow by Snow and Clouds can Exceed Full Moon Illuminance in Suburban Areas. <i>Journal of Imaging</i> , 2019, 5, 69. | 3.0 | 31 |
| 77 | Assessing longâ€term effects of artificial light at night on insects: what is missing and how to get there. <i>Insect Conservation and Diversity</i> , 2021, 14, 260-270. | 3.0 | 31 |
| 78 | Improved river continuity facilitates fishes' abilities to track future environmental changes. <i>Journal of Environmental Management</i> , 2018, 208, 169-179. | 7.8 | 29 |
| 79 | Evidence That Reduced Air and Road Traffic Decreased Artificial Night-Time Skyglow during COVID-19 Lockdown in Berlin, Germany. <i>Remote Sensing</i> , 2020, 12, 3412. | 4.0 | 29 |
| 80 | Microplastic inclusion in birch tree roots. <i>Science of the Total Environment</i> , 2022, 808, 152085. | 8.0 | 28 |
| 81 | Estimating the active metabolic rate (AMR) in fish based on tail beat frequency (TBF) and body mass. <i>Journal of Experimental Zoology</i> , 2007, 307A, 296-300. | 1.2 | 27 |
| 82 | Measuring Light Pollution with Fisheye Lens Imagery from A Moving Boat â€” A Proof of Concept. <i>International Journal of Sustainable Lighting</i> , 2017, 19, 15-25. | 1.9 | 27 |
| 83 | Night Mattersâ€”Why the Interdisciplinary Field of â€œNight Studiesâ€Is Needed. <i>J.</i> , 2020, 3, 1-6. | 0.9 | 26 |
| 84 | Life in turbulent flows: interactions between hydrodynamics and aquatic organisms in rivers. <i>Wiley Interdisciplinary Reviews: Water</i> , 2017, 4, e1213. | 6.5 | 25 |
| 85 | Citizen science technologies and new opportunities for participation. , 2018, , 303-320. | | 23 |
| 86 | Eutrophication, Research and Management History of the Shallow YpacaraÃ-Lake (Paraguay). <i>Sustainability</i> , 2018, 10, 2426. | 3.2 | 22 |
| 87 | What makes the Asian bush mosquito <i>Aedes japonicus japonicus</i> feel comfortable in Germany? A fuzzy modelling approach. <i>Parasites and Vectors</i> , 2019, 12, 106. | 2.5 | 22 |
| 88 | A plea for a worldwide development of dark infrastructure for biodiversity â€” Practical examples and ways to go forward. <i>Landscape and Urban Planning</i> , 2022, 219, 104332. | 7.5 | 22 |
| 89 | An individual-based approach to depict the influence of the feeding strategy on the population structure of roach (<i>Rutilus rutilus</i> L.). <i>Limnologia</i> , 2001, 31, 69-78. | 1.5 | 21 |
| 90 | Dietary niche partitioning in a piscivorous fish guild in response to stocking of an additional competitor â€” The role of diet specialisation. <i>Limnologia</i> , 2012, 42, 56-64. | 1.5 | 21 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 91 | Temperature Stability of the Sky Quality Meter. <i>Sensors</i> , 2013, 13, 12166-12174. | 3.8 | 21 |
| 92 | The Use of Sentinel-2 for Chlorophyll-a Spatial Dynamics Assessment: A Comparative Study on Different Lakes in Northern Germany. <i>Remote Sensing</i> , 2021, 13, 1542. | 4.0 | 21 |
| 93 | The Impact Of Light Pollution On Bats Varies According To Foraging Guild And Habitat Context. <i>BioScience</i> , 2021, 71, 1103-1109. | 4.9 | 21 |
| 94 | Artificial light and nocturnal activity in gammarids. <i>PeerJ</i> , 2014, 2, e279. | 2.0 | 21 |
| 95 | Effects of body size and temperature on metabolism of bream compared to sympatric roach. <i>Animal Biology</i> , 2006, 56, 23-37. | 1.0 | 20 |
| 96 | Impact of Different Wavelengths of Artificial Light at Night on Phototaxis in Aquatic Insects. <i>Integrative and Comparative Biology</i> , 2021, 61, 1182-1190. | 2.0 | 20 |
| 97 | Population Density of the Crayfish, <i>Orconectes limosus</i> , in Relation to Fish and Macroinvertebrate Densities in a Small Mesotrophic Lake - Implications for the Lake's Food Web. <i>International Review of Hydrobiology</i> , 2005, 90, 523-533. | 0.9 | 19 |
| 98 | Long-Term Comparison of Attraction of Flying Insects to Streetlights after the Transition from Traditional Light Sources to Light-Emitting Diodes in Urban and Peri-Urban Settings. <i>Sustainability</i> , 2019, 11, 6198. | 3.2 | 19 |
| 99 | Simulation of trait- and density-mediated indirect effects induced by piscivorous predators. <i>Basic and Applied Ecology</i> , 2005, 6, 289-300. | 2.7 | 18 |
| 100 | Comment on "Impacts of Biodiversity Loss on Ocean Ecosystem Services". <i>Science</i> , 2007, 316, 1285c-1285c. | 12.6 | 18 |
| 101 | Study of Biological Action of Light on Fish. <i>Journal of Light and Visual Environment</i> , 2013, 37, 194-204. | 0.2 | 18 |
| 102 | High Female Survival Promotes Evolution of Protogyny and Sexual Conflict. <i>PLoS ONE</i> , 2015, 10, e0118354. | 2.5 | 18 |
| 103 | Urban Lighting Research Transdisciplinary Framework – A Collaborative Process with Lighting Professionals. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 624. | 2.6 | 18 |
| 104 | A Systematic Review for Establishing Relevant Environmental Parameters for Urban Lighting: Translating Research into Practice. <i>Sustainability</i> , 2022, 14, 1107. | 3.2 | 18 |
| 105 | Determinants of habitat use in large roach. <i>Journal of Fish Biology</i> , 2006, 69, 1136-1150. | 1.6 | 17 |
| 106 | Slugs (<i>Arionidae</i>) benefit from nocturnal artificial illumination. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2018, 329, 429-433. | 1.9 | 16 |
| 107 | Impact of <i>Chaoborus flavicans</i> – Predation on the Zooplankton in a Mesotrophic Lake – a Three Year Study. <i>International Review of Hydrobiology</i> , 2011, 96, 191-208. | 0.9 | 15 |
| 108 | Two camera system for measurement of urban uplight angular distribution. <i>AIP Conference Proceedings</i> , 2013, , . | 0.4 | 15 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | The ecological effect of phenotypic plasticity " Analyzing complex interaction networks (COIN) with agent-based models. <i>Ecological Informatics</i> , 2008, 3, 35-45. | 5.2 | 12 |
| 110 | Impact of Lighting on Flora and Fauna. , 2016, , 1-33. | | 12 |
| 111 | Misbalance of thyroid hormones after two weeks of exposure to artificial light at night in Eurasian perch <i>Perca fluviatilis</i> . , 2021, 9, coaa124. | | 11 |
| 112 | Impact of artificial illumination on the development of a leafmining moth in urban trees. <i>International Journal of Sustainable Lighting</i> , 2019, 21, 1-10. | 1.9 | 11 |
| 113 | Light intensity and spectral distribution affect chytrid infection of cyanobacteria <i>via</i> modulation of host fitness. <i>Parasitology</i> , 2020, 147, 1206-1215. | 1.5 | 10 |
| 114 | Application of a bioenergetics model to roach. <i>Journal of Applied Ichthyology</i> , 2004, 20, 548-550. | 0.7 | 9 |
| 115 | A pigment composition analysis reveals community changes in pre-established stream periphyton under low-level artificial light at night. <i>Limnologica</i> , 2018, 69, 55-58. | 1.5 | 9 |
| 116 | Can data from native mosquitoes support determining invasive species habitats? Modelling the climatic niche of <i>Aedes japonicus japonicus</i> (Diptera, Culicidae) in Germany. <i>Parasitology Research</i> , 2020, 119, 31-42. | 1.6 | 9 |
| 117 | PARASITE COMMUNITY AND MORTALITY OF OVERWINTERING YOUNG-OF-THE-YEAR ROACH (<i>RUTILUS</i>) Tj ETQq1 1.0784314rgBT/O | 0.7 | 9 |
| 118 | Impact of Lighting on Flora and Fauna. , 2017, , 957-989. | | 8 |
| 119 | Light Pollution Reduction. , 2017, , 991-1010. | | 8 |
| 120 | Ecological commonalities among pelagic fishes: comparison of freshwater ciscoes and marine herring and sprat. <i>Marine Biology</i> , 2012, 159, 2583-2603. | 1.5 | 7 |
| 121 | Altered sex-specific mortality and female mating success: ecological effects and evolutionary responses. <i>Ecosphere</i> , 2017, 8, e01820. | 2.2 | 7 |
| 122 | Light Pollution Reduction. , 2014, , 1-17. | | 7 |
| 123 | Large-scale sampling of the freshwater microbiome suggests pollution-driven ecosystem changes. <i>Environmental Pollution</i> , 2022, 308, 119627. | 7.5 | 7 |
| 124 | SMART Research: Toward Interdisciplinary River Science in Europe. <i>Frontiers in Environmental Science</i> , 2020, 8, . | 3.3 | 6 |
| 125 | Impact of light pollution on moth morphology "A 137-year study in Germany. <i>Basic and Applied Ecology</i> , 2021, 56, 1-10. | 2.7 | 6 |
| 126 | The role of insectivorous fish in fostering the allochthonous subsidy of lakes. <i>Limnology and Oceanography</i> , 2007, 52, 2718-2721. | 3.1 | 5 |

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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Assessing how uncertainty and stochasticity affect the dispersal of fish in river networks. <i>Ecological Modelling</i> , 2017, 359, 220-228. | 2.5 | 5 |
| 128 | Turbulence, instream wood and fish: Ecohydraulic interactions under field conditions. <i>Ecohydrology</i> , 2020, 13, e2211. | 2.4 | 5 |
| 129 | Innate immunity, oxidative stress and body indices of Eurasian perch <i>Perca fluviatilis</i> after two weeks of exposure to artificial light at night. <i>Journal of Fish Biology</i> , 2021, 99, 118-130. | 1.6 | 5 |
| 130 | The rising moon promotes mate finding in moths. <i>Communications Biology</i> , 2022, 5, 393. | 4.4 | 5 |
| 131 | The effect of temperature on mortality in small perch marked with coded wire tags. <i>Journal of Fish Biology</i> , 2006, 69, 1255-1260. | 1.6 | 4 |
| 132 | European Wilderness in a Time of Farmland Abandonment. , 2015, , 25-46. | | 4 |
| 133 | Linking a compartment model for West Nile virus with a flight simulator for vector mosquitoes. <i>Ecological Modelling</i> , 2022, 464, 109840. | 2.5 | 4 |
| 134 | Design and implementation of an illumination system to mimic skyglow at ecosystem level in a large-scale lake enclosure facility. <i>Scientific Reports</i> , 2021, 11, 23478. | 3.3 | 4 |
| 135 | Towards Insect-Friendly Road Lighting – A Transdisciplinary Multi-Stakeholder Approach Involving Citizen Scientists. <i>Insects</i> , 2021, 12, 1117. | 2.2 | 4 |
| 136 | In situ estimation of gastric evacuation and consumption rates of burbot (<i>Lota lota</i>) in a summer-warm lowland river. <i>Journal of Applied Ichthyology</i> , 2011, 27, 1236-1241. | 0.7 | 3 |
| 137 | Window Illumination Should be Expected to Poorly Correlate With Satellite Brightness Measurements. <i>Chronobiology International</i> , 2012, 29, 87-88. | 2.0 | 3 |
| 138 | Citizen science to monitor light pollution – a useful tool for studying human impacts on the environment. , 2018, , 353-366. | | 3 |
| 139 | Welcome to the Dark Side: Partial Nighttime Illumination Affects Night-and Daytime Foraging Behavior of a Small Mammal. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, . | 2.2 | 3 |
| 140 | Evaluating Multiple Stressor Effects on Benthic – Pelagic Freshwater Communities in Systems of Different Complexities: Challenges in Upscaling. <i>Water (Switzerland)</i> , 2022, 14, 581. | 2.7 | 3 |
| 141 | Spatial and seasonal patterns of water isotopes in northeastern German lakes. <i>Earth System Science Data</i> , 2022, 14, 1857-1867. | 9.9 | 2 |
| 142 | Influence of activity in a heterogeneous environment on the dynamics of fish growth: an individual-based model of roach. <i>Journal of Fish Biology</i> , 2002, 60, 1170-1189. | 1.6 | 1 |
| 143 | Resources of dark skies in German climatic health resorts. <i>International Journal of Biometeorology</i> , 2017, 61, 11-22. | 3.0 | 1 |
| 144 | Hitting the sweet spot of complexity: Reasons why the development of new custom-tailored models is still warranted and should be encouraged in aquatic sciences. <i>Journal of Limnology</i> , 0, , . | 1.1 | 1 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Angular distribution of uplight at 10,000 ft over Berlin. Proceedings of the International Astronomical Union, 2012, 10, 738-738. | 0.0 | 0 |
| 146 | Response to Letter to the Editor "Investigating reflections on microplastics uptake and translocations". Science of the Total Environment, 2022, 825, 154873. | 8.0 | 0 |