# Tom Andersen

List of Publications by Year
in descending order



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|---|---|---|---|
| 58 papers | 4,182 citations | 201674 27 h-index | 144013 57 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 5460 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ecological thresholds and regime shifts: approaches to identification. Trends in Ecology and Evolution, 2009, 24, 49-57. | 8.7 | 623 |
| 2 | Carbon, nitrogen, and phosphorus content of freshwater zooplankton. Limnology and Oceanography, 1991, 36, 807-814. | 3.1 | 483 |
| 3 | Diversity predicts stability and resource use efficiency in natural phytoplankton communities. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5134-5138. | 7.1 | 430 |
| 4 | Climate change predicted to cause severe increase of organic carbon in lakes. Global Change Biology, 2011, 17, 1186-1192. | 9.5 | 255 |
| 5 | Scaleâ€dependent carbon:nitrogen:phosphorus seston stoichiometry in marine and freshwaters. Limnology and Oceanography, 2008, 53, 1169-1180. | 3.1 | 238 |
| 6 | LIGHT, NUTRIENTS, AND P:C RATIOS IN ALGAE: GRAZER PERFORMANCE RELATED TO FOOD QUALITY AND QUANTITY. Ecology, 2002, 83, 1886-1898. | 3.2 | 206 |
| 7 | The Absorption of Light in Lakes: Negative Impact of Dissolved Organic Carbon on Primary Productivity. Ecosystems, 2014, 17, 1040-1052. | 3.4 | 203 |
| 8 | Carbon metabolism in a humic lake: Pool sires and cycling through zooplankton. Limnology and Oceanography, 1990, 35, 84-99. | 3.1 | 161 |
| 9 | From greening to browning: Catchment vegetation development and reduced S-deposition promote organic carbon load on decadal time scales in Nordic lakes. Scientific Reports, 2016, 6, 31944. | 3.3 | 150 |
| 10 | Performance of the Redfield Ratio and a Family of Nutrient Limitation Indicators as Thresholds for Phytoplankton N vs. P Limitation. Ecosystems, 2010, 13, 1201-1214. | 3.4 | 128 |
| 11 | Regional species pools control community saturation in lake phytoplankton. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3755-3764. | 2.6 | 79 |
| 12 | Factors influencing species richness in lacustrine zooplankton. Acta Oecologica, 2002, 23, 155-163. | 1.1 | 77 |
| 13 | Greenhouse gas metabolism in Nordic boreal lakes. Biogeochemistry, 2015, 126, 211-225. | 3.5 | 77 |
| 14 | Phosphorus distribution in three crustacean zooplankton species. Limnology and Oceanography, 1999, 44, 225-229. | 3.1 | 76 |
| 15 | Spectrophotometric Analysis of Pigments: A Critical Assessment of a High-Throughput Method for Analysis of Algal Pigment Mixtures by Spectral Deconvolution. PLoS ONE, 2015, 10, e0137645. | 2.5 | 74 |
| 16 | Growth responses, P-uptake and loss of flagellae in Chlamydomonas reinhardtii exposed to UV-B. Journal of Plankton Research, 1995, 17, 17-27. | 1.8 | 70 |
| 17 | Nitrogen deposition, catchment productivity, and climate as determinants of lake stoichiometry. Limnology and Oceanography, 2009, 54, 2520-2528. | 3.1 | 63 |
| 18 | ThepCO<sub>2</sub>in boreal lakes: Organic carbon as a universal predictor?. Global Biogeochemical Cycles, 2011, 25, n/a-n/a. | 4.9 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Plasticity in algal stoichiometry: Experimental evidence of a temperatureâ€induced shift in optimal supply N:P ratio. Limnology and Oceanography, 2017, 62, 1346-1354. | 3.1 | 45 |
| 20 | Fungal communities in Scandinavian lakes along a longitudinal gradient. Fungal Ecology, 2017, 27, 36-46. | 1.6 | 43 |
| 21 | Phytoplankton species richness, evenness, and production in relation to nutrient availability and imbalance. Limnology and Oceanography, 2017, 62, 1393-1408. | 3.1 | 42 |
| 22 | Predicting organic carbon in lakes from climate drivers and catchment properties. Global Biogeochemical Cycles, 2011, 25, n/a-n/a. | 4.9 | 35 |
| 23 | Light acclimation in submerged macrophytes: The roles of plant elongation, pigmentation and branch orientation differ among Chara species. Aquatic Botany, 2015, 120, 121-128. | 1.6 | 32 |
| 24 | Modelling ROS formation in boreal lakes from interactions between dissolved organic matter and absorbed solar photon flux. Water Research, 2018, 132, 331-339. | 11.3 | 32 |
| 25 | Nutrient Enrichment and Planktonic Biomass Ratios in Lakes. Ecosystems, 2006, 9, 516-527. | 3.4 | 31 |
| 26 | Coupling dissolved organic carbon, <scp>CO</scp><sub>2</sub> and productivity in boreal lakes. Freshwater Biology, 2017, 62, 945-953. | 2.4 | 31 |
| 27 | Links between Genetic Groups, Indole Alkaloid Profiles and Ecology within the Grass-Parasitic Claviceps purpurea Species Complex. Toxins, 2015, 7, 1431-1456. | 3.4 | 28 |
| 28 | Planktonic protistan communities in lakes along a large-scale environmental gradient. FEMS Microbiology Ecology, 2017, 93, fiw231. | 2.7 | 28 |
| 29 | Growth rate versus biomass accumulation: Different roles of food quality and quantity for consumers. Limnology and Oceanography, 2007, 52, 2128-2134. | 3.1 | 25 |
| 30 | The impact of irradiance on optimal and cellular nitrogen to phosphorus ratios in phytoplankton. Ecology Letters, 2016, 19, 880-888. | 6.4 | 24 |
| 31 | The role of photomineralization for <scp>CO<sub>2</sub></scp> emissions in boreal lakes along a gradient of dissolved organic matter. Limnology and Oceanography, 2021, 66, 158-170. | 3.1 | 24 |
| 32 | Effect of temperature and dietary elemental composition on RNA/protein ratio in a rotifer. Functional Ecology, 2011, 25, 1154-1160. | 3.6 | 23 |
| 33 | Environmental constraints of the invasive Mnemiopsis leidyi in Scandinavian waters. Limnology and Oceanography, 2013, 58, 37-48. | 3.1 | 22 |
| 34 | The influence of dissolved organic carbon and ultraviolet radiation on the genomic integrity of Daphnia magna. Functional Ecology, 2017, 31, 848-855. | 3.6 | 22 |
| 35 | Terrestrial organic matter increases zooplankton methylmercury accumulation in a brown-water boreal lake. Science of the Total Environment, 2019, 674, 9-18. | 8.0 | 22 |
| 36 | Estimation of phosphorus release rates from natural zooplankton communities feeding on planktonic algae and bacteria. Limnology and Oceanography, 1995, 40, 250-262. | 3.1 | 21 |

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|---|---|---|---|
| 37 | Rapid physicochemical changes in the high Arctic Lake Kongressvatn caused by recent climate change. Aquatic Sciences, 2012, 74, 385-395. | 1.5 | 20 |
| 38 | Nutrient kinetics modeled from time series of substrate depletion and growth: dissolved silicate uptake of Baltic Sea spring diatoms. Marine Biology, 2010, 157, 427-436. | 1.5 | 19 |
| 39 | Image analysis of Daphnia populations: non-destructive determination of demography and biomass in cultures. Freshwater Biology, 2002, 47, 1956-1962. | 2.4 | 18 |
| 40 | A high-throughput method for measuring growth and loss rates in microalgal cultures. Journal of Applied Phycology, 2012, 24, 1589-1599. | 2.8 | 15 |
| 41 | Environmental Optima for Seven Strains of Pseudochattonella (Dictyochophyceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 2.3 | 13 |
| 42 | Temperature and developmental responses of body and cell size in Drosophila; effects of polyploidy and genome configuration. Journal of Thermal Biology, 2015, 51, 1-14. | 2.5 | 13 |
| 43 | Predation Risk Potentiates Toxicity of a Common Metal Contaminant in a Coastal Copepod. Environmental Science & Technology, 2018, 52, 13535-13542. | 10.0 | 13 |
| 44 | Modelling ecological half-lives for radiocaesium in Norwegian brown trout populations. Journal of Applied Ecology, 2000, 37, 109-116. | 4.0 | 12 |
| 45 | Nuisance growth of Juncus bulbosus: the roles of genetics and environmental drivers tested in a largeâ€scale survey. Freshwater Biology, 2013, 58, 114-127. | 2.4 | 12 |
| 46 | A statistical procedure for unsupervised classification of nutrient limitation bioassay experiments with natural phytoplankton communities. Limnology and Oceanography: Methods, 2007, 5, 111-118. | 2.0 | 10 |
| 47 | Congruence, but no cascadeâ€”Pelagic biodiversity across three trophic levels in Nordic lakes. Ecology and Evolution, 2020, 10, 8153-8165. | 1.9 | 8 |
| 48 | Factors Governing Biodegradability of Dissolved Natural Organic Matter in Lake Water. Water (Switzerland), 2021, 13, 2210. | 2.7 | 8 |
| 49 | An affordable and automated imaging approach to acquire highly resolved individual dataâ€”an example of copepod growth in response to multiple stressors. PeerJ, 2019, 7, e6776. | 2.0 | 6 |
| 50 | Phosphorus Availability Promotes Bacterial DOC-Mineralization, but Not Cumulative CO2-Production. Frontiers in Microbiology, 2020, 11, 569879. | 3.5 | 5 |
| 51 | The Hidden Dimension: Contextâ€Dependent Expression of Repeatable Behavior in Copepods. Environmental Toxicology and Chemistry, 2020, 39, 1017-1026. | 4.3 | 5 |
| 52 | UV radiation affects antipredatory defense traits in Daphnia pulex. Ecology and Evolution, 2020, 10, 14082-14097. | 1.9 | 4 |
| 53 | Nanocosm: a well plate photobioreactor for environmental and biotechnological studies. Lab on A Chip, 2021, 21, 2027-2039. | 6.0 | 4 |
| 54 | Land-cover, climate and fjord morphology drive differences in organic matter and nutrient dynamics in two contrasting northern river-fjord systems. Estuarine, Coastal and Shelf Science, 2022, 270, 107831. | 2.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Multiple thresholds and trajectories of microbial biodiversity predicted across browning gradients by neural networks and decision tree learning. ISME Communications, 2021, 1, . | 4.2 | 3 |
| 56 | Contrasting Effects of Predation Risk and Copper on Copepod Respiration Rates. Environmental Toxicology and Chemistry, 2020, 39, 1765-1773. | 4.3 | 1 |
| 57 | Densityâ€Dependent Metabolic Costs of Copper Exposure in a Coastal Copepod. Environmental Toxicology and Chemistry, 2021, 40, 2538-2546. | 4.3 | 1 |
| 58 | Bionedbrytbarhet av lÃ¸st naturlig organisk materiale i innsjÃ¸er. Naturen, 2021, 145, 253-258. | 0.0 | 0 |