

# Tom Andersen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Land-cover, climate and fjord morphology drive differences in organic matter and nutrient dynamics in two contrasting northern river-fjord systems. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 270, 107831.	2.1	4
2	The role of photomineralization for $\text{CO}_2$ emissions in boreal lakes along a gradient of dissolved organic matter. <i>Limnology and Oceanography</i> , 2021, 66, 158-170.	3.1	24
3	Nanocosm: a well plate photobioreactor for environmental and biotechnological studies. <i>Lab on A Chip</i> , 2021, 21, 2027-2039.	6.0	4
4	Density-Dependent Metabolic Costs of Copper Exposure in a Coastal Copepod. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2538-2546.	4.3	1
5	Multiple thresholds and trajectories of microbial biodiversity predicted across browning gradients by neural networks and decision tree learning. <i>ISME Communications</i> , 2021, 1, .	4.2	3
6	Factors Governing Biodegradability of Dissolved Natural Organic Matter in Lake Water. <i>Water (Switzerland)</i> , 2021, 13, 2210.	2.7	8
7	Bionedbrytbarhet av l�st naturlig organisk materiale i innsj�er. <i>Naturen</i> , 2021, 145, 253-258.	0.0	0
8	Phosphorus Availability Promotes Bacterial DOC-Mineralization, but Not Cumulative $\text{CO}_2$ -Production. <i>Frontiers in Microbiology</i> , 2020, 11, 569879.	3.5	5
9	Congruence, but no cascade Pelagic biodiversity across three trophic levels in Nordic lakes. <i>Ecology and Evolution</i> , 2020, 10, 8153-8165.	1.9	8
10	UV radiation affects antipredatory defense traits in <i>Daphnia pulex</i> . <i>Ecology and Evolution</i> , 2020, 10, 14082-14097.	1.9	4
11	Contrasting Effects of Predation Risk and Copper on Copepod Respiration Rates. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1765-1773.	4.3	1
12	The Hidden Dimension: Context-Dependent Expression of Repeatable Behavior in Copepods. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1017-1026.	4.3	5
13	Terrestrial organic matter increases zooplankton methylmercury accumulation in a brown-water boreal lake. <i>Science of the Total Environment</i> , 2019, 674, 9-18.	8.0	22
14	An affordable and automated imaging approach to acquire highly resolved individual data an example of copepod growth in response to multiple stressors. <i>PeerJ</i> , 2019, 7, e6776.	2.0	6
15	Modelling ROS formation in boreal lakes from interactions between dissolved organic matter and absorbed solar photon flux. <i>Water Research</i> , 2018, 132, 331-339.	11.3	32
16	Predation Risk Potentiates Toxicity of a Common Metal Contaminant in a Coastal Copepod. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13535-13542.	10.0	13
17	Planktonic protistan communities in lakes along a large-scale environmental gradient. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw231.	2.7	28
18	Phytoplankton species richness, evenness, and production in relation to nutrient availability and imbalance. <i>Limnology and Oceanography</i> , 2017, 62, 1393-1408.	3.1	42

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19	Fungal communities in Scandinavian lakes along a longitudinal gradient. <i>Fungal Ecology</i> , 2017, 27, 36-46.	1.6	43
20	Plasticity in algal stoichiometry: Experimental evidence of a temperature-induced shift in optimal supply N:P ratio. <i>Limnology and Oceanography</i> , 2017, 62, 1346-1354.	3.1	45
21	Coupling dissolved organic carbon, $\text{CO}_2$ and productivity in boreal lakes. <i>Freshwater Biology</i> , 2017, 62, 945-953.	2.4	31
22	The influence of dissolved organic carbon and ultraviolet radiation on the genomic integrity of <i>Daphnia magna</i> . <i>Functional Ecology</i> , 2017, 31, 848-855.	3.6	22
23	The impact of irradiance on optimal and cellular nitrogen to phosphorus ratios in phytoplankton. <i>Ecology Letters</i> , 2016, 19, 880-888.	6.4	24
24	From greening to browning: Catchment vegetation development and reduced S-deposition promote organic carbon load on decadal time scales in Nordic lakes. <i>Scientific Reports</i> , 2016, 6, 31944.	3.3	150
25	Greenhouse gas metabolism in Nordic boreal lakes. <i>Biogeochemistry</i> , 2015, 126, 211-225.	3.5	77
26	Spectrophotometric Analysis of Pigments: A Critical Assessment of a High-Throughput Method for Analysis of Algal Pigment Mixtures by Spectral Deconvolution. <i>PLoS ONE</i> , 2015, 10, e0137645.	2.5	74
27	Links between Genetic Groups, Indole Alkaloid Profiles and Ecology within the Grass-Parasitic <i>Claviceps purpurea</i> Species Complex. <i>Toxins</i> , 2015, 7, 1431-1456.	3.4	28
28	Temperature and developmental responses of body and cell size in <i>Drosophila</i> ; effects of polyploidy and genome configuration. <i>Journal of Thermal Biology</i> , 2015, 51, 1-14.	2.5	13
29	Light acclimation in submerged macrophytes: The roles of plant elongation, pigmentation and branch orientation differ among <i>Chara</i> species. <i>Aquatic Botany</i> , 2015, 120, 121-128.	1.6	32
30	The Absorption of Light in Lakes: Negative Impact of Dissolved Organic Carbon on Primary Productivity. <i>Ecosystems</i> , 2014, 17, 1040-1052.	3.4	203
31	Nuisance growth of <i>Juncus bulbosus</i> : the roles of genetics and environmental drivers tested in a large-scale survey. <i>Freshwater Biology</i> , 2013, 58, 114-127.	2.4	12
32	Environmental Optima for Seven Strains of <i>Pseudochattonella</i> (Dictyochophyceae). <i>Journal of Phycology</i> , 2013, 49, 1022-1030.	2.3	13
33	Environmental constraints of the invasive <i>Mnemiopsis leidyi</i> in Scandinavian waters. <i>Limnology and Oceanography</i> , 2013, 58, 37-48.	3.1	22
34	A high-throughput method for measuring growth and loss rates in microalgal cultures. <i>Journal of Applied Phycology</i> , 2012, 24, 1589-1599.	2.8	15
35	Rapid physicochemical changes in the high Arctic Lake Kongressvatn caused by recent climate change. <i>Aquatic Sciences</i> , 2012, 74, 385-395.	1.5	20
36	The $\text{pCO}_2$ in boreal lakes: Organic carbon as a universal predictor?. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	61

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37	Predicting organic carbon in lakes from climate drivers and catchment properties. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	35
38	Effect of temperature and dietary elemental composition on RNA/protein ratio in a rotifer. <i>Functional Ecology</i> , 2011, 25, 1154-1160.	3.6	23
39	Climate change predicted to cause severe increase of organic carbon in lakes. <i>Global Change Biology</i> , 2011, 17, 1186-1192.	9.5	255
40	Nutrient kinetics modeled from time series of substrate depletion and growth: dissolved silicate uptake of Baltic Sea spring diatoms. <i>Marine Biology</i> , 2010, 157, 427-436.	1.5	19
41	Performance of the Redfield Ratio and a Family of Nutrient Limitation Indicators as Thresholds for Phytoplankton N vs. P Limitation. <i>Ecosystems</i> , 2010, 13, 1201-1214.	3.4	128
42	Regional species pools control community saturation in lake phytoplankton. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3755-3764.	2.6	79
43	Ecological thresholds and regime shifts: approaches to identification. <i>Trends in Ecology and Evolution</i> , 2009, 24, 49-57.	8.7	623
44	Nitrogen deposition, catchment productivity, and climate as determinants of lake stoichiometry. <i>Limnology and Oceanography</i> , 2009, 54, 2520-2528.	3.1	63
45	Diversity predicts stability and resource use efficiency in natural phytoplankton communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5134-5138.	7.1	430
46	Scale-dependent carbon:nitrogen:phosphorus seston stoichiometry in marine and freshwaters. <i>Limnology and Oceanography</i> , 2008, 53, 1169-1180.	3.1	238
47	Growth rate versus biomass accumulation: Different roles of food quality and quantity for consumers. <i>Limnology and Oceanography</i> , 2007, 52, 2128-2134.	3.1	25
48	A statistical procedure for unsupervised classification of nutrient limitation bioassay experiments with natural phytoplankton communities. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 111-118.	2.0	10
49	Nutrient Enrichment and Planktonic Biomass Ratios in Lakes. <i>Ecosystems</i> , 2006, 9, 516-527.	3.4	31
50	LIGHT, NUTRIENTS, AND P:C RATIOS IN ALGAE: GRAZER PERFORMANCE RELATED TO FOOD QUALITY AND QUANTITY. <i>Ecology</i> , 2002, 83, 1886-1898.	3.2	206
51	Factors influencing species richness in lacustrine zooplankton. <i>Acta Oecologica</i> , 2002, 23, 155-163.	1.1	77
52	Image analysis of Daphnia populations: non-destructive determination of demography and biomass in cultures. <i>Freshwater Biology</i> , 2002, 47, 1956-1962.	2.4	18
53	Modelling ecological half-lives for radiocaesium in Norwegian brown trout populations. <i>Journal of Applied Ecology</i> , 2000, 37, 109-116.	4.0	12
54	Phosphorus distribution in three crustacean zooplankton species. <i>Limnology and Oceanography</i> , 1999, 44, 225-229.	3.1	76

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55	Estimation of phosphorus release rates from natural zooplankton communities feeding on planktonic algae and bacteria. <i>Limnology and Oceanography</i> , 1995, 40, 250-262.	3.1	21
56	Growth responses, P-uptake and loss of flagellae in <i>Chlamydomonas reinhardtii</i> exposed to UV-B. <i>Journal of Plankton Research</i> , 1995, 17, 17-27.	1.8	70
57	Carbon, nitrogen, and phosphorus content of freshwater zooplankton. <i>Limnology and Oceanography</i> , 1991, 36, 807-814.	3.1	483
58	Carbon metabolism in a humic lake: Pool sires and cycling through zooplankton. <i>Limnology and Oceanography</i> , 1990, 35, 84-99.	3.1	161