Eero Asmala

List of Publications by Citations

33 papers	785 citations	17 h-index	27 g-index
39 ext. papers	1,088 ext. citations	5.1 avg, IF	4.38 L-index

#	Paper	IF	Citations
33	Global distribution of dissolved organic matter along the aquatic continuum: Across rivers, lakes and oceans. *Science of the Total Environment*, **2017**, 609, 180-191	10.2	99
32	Bioavailability of riverine dissolved organic matter in three Baltic Sea estuaries and the effect of catchment land use. *Biogeosciences*, **2013**, 10, 6969-6986	4.6	99
31	Qualitative changes of riverine dissolved organic matter at low salinities due to flocculation. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 1919-1933	3.7	76
30	Efficiency of the coastal filter: Nitrogen and phosphorus removal in the Baltic Sea. *Limnology and Oceanography*, **2017**, 62, S222-S238	4.8	66
29	Linking CDOM spectral absorption to dissolved organic carbon concentrations and loadings in boreal estuaries. *Estuarine, Coastal and Shelf Science*, **2012**, 111, 107-117	2.9	51
28	Processing of humic-rich riverine dissolved organic matter by estuarine bacteria: effects of predegradation and inorganic nutrients. *Aquatic Sciences*, **2014**, 76, 451-463	2.5	41
27	Impacts of flocculation on the distribution and diagenesis of iron in boreal estuarine sediments. *Biogeosciences*, **2018**, 15, 1243-1271	4.6	35
26	Bioavailability and radiocarbon age of fluvial dissolved organic matter (DOM) from a northern peatland-dominated catchment: effect of land-use change. *Aquatic Sciences*, **2014**, 76, 393-404	2.5	34
25	Factors regulating the coastal nutrient filter in the Baltic Sea. *Ambio*, **2020**, 49, 1194-1210	6.5	30
24	Eutrophication Leads to Accumulation of Recalcitrant Autochthonous Organic Matter in Coastal Environment. *Global Biogeochemical Cycles*, **2018**, 32, 1673-1687	5.9	27
23	Variation in Riverine Inputs Affect Dissolved Organic Matter Characteristics throughout the Estuarine Gradient. *Frontiers in Marine Science*, **2016**, 2,	4.5	25
22	Effect of catchment land use and soil type on the concentration, quality, and bacterial degradation of riverine dissolved organic matter. *Ambio*, **2016**, 45, 331-49	6.5	22
21	Import-export balance of nitrogen and phosphorus in food, fodder and fertilizers in the Baltic Sea drainage area. *Science of the Total Environment*, **2011**, 409, 4917-22	10.2	21
20	Multiple anthropogenic drivers behind upward trends in organic carbon concentrations in boreal rivers. *Environmental Research Letters*, **2019**, 14, 124018	6.2	20
19	Closing a loop: substance flow analysis of nitrogen and phosphorus in the rainbow trout production and domestic consumption system in Finland. *Ambio*, **2010**, 39, 126-35	6.5	20
18	Bacterial production, abundance and cell properties in boreal estuaries: relation to dissolved organic matter quantity and quality. *Aquatic Sciences*, **2016**, 78, 525-540	2.5	19
17	Nutrient availability as major driver of phytoplankton-derived dissolved organic matter transformation in coastal environment. *Biogeochemistry*, **2018**, 137, 93-104	3.8	17

List of Publications

16	Distinctive effects of allochthonous and autochthonous organic matter on CDOM spectra in a tropical lake. *Biogeosciences*, **2018**, 15, 2931-2943	4.6	16
15	Linking shifts in bacterial community with changes in dissolved organic matter pool in a tropical lake. *Science of the Total Environment*, **2019**, 672, 990-1003	10.2	12
14	Ecosystem metabolism of benthic and pelagic zones of a shallow productive estuary: spatio-temporal variability. *Marine Ecology - Progress Series*, **2018**, 601, 15-32	2.6	9
13	Eutrophication in the Baltic Sea. *Journal of Industrial Ecology*, **2010**, 14, 482-495	7.2	8
12	Role of Eelgrass in the Coastal Filter of Contrasting Baltic Sea Environments. *Estuaries and Coasts*, **2019**, 42, 1882-1895	2.8	7
11	Origin and fate of dissolved organic matter in four shallow Baltic Sea estuaries. *Biogeochemistry*, **2021**, 154, 385-403	3.8	7
10	Elevated organic carbon pulses persist in estuarine environment after major storm events. *Limnology and Oceanography Letters*, **2021**, 6, 43-50	7.9	5
9	Flocculation of dissolved organic matter controls the distribution of iron in boreal estuarine sediments		3
8	Ubiquitous Patchiness in Chlorophyll a Concentration in Coastal Archipelago of Baltic Sea. *Frontiers in Marine Science*, **2020**, 7,	4.5	3
7	Autochthonous organic matter promotes DNRA and suppresses N2O production in sediments of the coastal Baltic Sea. *Estuarine, Coastal and Shelf Science*, **2021**, 255, 107369	2.9	3
6	Identification of dissolved organic matter size components in freshwater and marine environments. *Limnology and Oceanography*, **2021**, 66, 1381-1393	4.8	3
5	Composition of natural phytoplankton community has minor effects on autochthonous dissolved organic matter characteristics. *Marine Biology Research*, **2019**, 15, 357-375	1	2
4	Contrasting patterns of carbon cycling and dissolved organic matter processing in two phytoplankton–bacteria communities. *Biogeosciences*, **2021**, 18, 6589-6616	4.6	2
3	A reply to the comment by Karlsson et al.. *Limnology and Oceanography*, **2019**, 64, 1832	4.8	1
2	Distinct Coastal Microbiome Populations Associated With Autochthonous- and Allochthonous-Like Dissolved Organic Matter. *Frontiers in Microbiology*, **2019**, 10, 2579	5.7	1
1	Biogeochemical functioning of the Baltic Sea. *Earth System Dynamics*, **2022**, 13, 633-685	4.8	1