

# Laura Tuomi

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

723  
citations

623574

14  
h-index

580701

25  
g-index

58  
all docs

58  
docs citations

58  
times ranked

636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wave conditions in the Baltic Proper and in the Gulf of Finland during windstorm Gudrun. <i>Natural Hazards and Earth System Sciences</i> , 2008, 8, 37-46.	1.5	84
2	Climate change in the Baltic Sea region: a summary. <i>Earth System Dynamics</i> , 2022, 13, 457-593.	2.7	75
3	Nemo-Nordic 1.0: a NEMO-based ocean model for the Baltic and North seas – research and operational applications. <i>Geoscientific Model Development</i> , 2019, 12, 363-386.	1.3	73
4	Wave Directions in a Narrow Bay. <i>Journal of Physical Oceanography</i> , 2010, 40, 155-169.	0.7	46
5	Wave modelling in archipelagos. <i>Coastal Engineering</i> , 2014, 83, 205-220.	1.7	46
6	Natural hazards and extreme events in the Baltic Sea region. <i>Earth System Dynamics</i> , 2022, 13, 251-301.	2.7	35
7	The importance of wind forcing in fjord wave modelling. <i>Ocean Dynamics</i> , 2020, 70, 57-75.	0.9	27
8	Modelling wave growth in narrow fetch geometries: The white-capping and wind input formulations. <i>Ocean Modelling</i> , 2021, 157, 101730.	1.0	25
9	Propagation of Impact of the Recent Major Baltic Inflows From the Eastern Gotland Basin to the Gulf of Finland. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	20
10	Nemo-Nordic 2.0: operational marine forecast model for the Baltic Sea. <i>Geoscientific Model Development</i> , 2021, 14, 5731-5749.	1.3	20
11	Brief communication: Characteristic properties of extreme wave events observed in the northern Baltic Proper, Baltic Sea. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1653-1658.	1.5	17
12	The performance of the parameterisations of vertical turbulence in the 3D modelling of hydrodynamics in the Baltic Sea. <i>Continental Shelf Research</i> , 2012, 50-51, 64-79.	0.9	16
13	Argo Floats as a Novel Part of the Monitoring the Hydrography of the Bothnian Sea. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	16
14	Applying area-locked, shallow water Argo floats in Baltic Sea monitoring. <i>Journal of Operational Oceanography</i> , 2019, 12, 58-72.	0.6	16
15	Improved estimates of nearshore wave conditions in the Gulf of Finland. <i>Journal of Marine Systems</i> , 2017, 171, 43-53.	0.9	15
16	Modelling fetch-limited wave growth from an irregular shoreline. <i>Journal of Marine Systems</i> , 2012, 105-108, 96-105.	0.9	14
17	Impact of Ice Data Quality and Treatment on Wave Hindcast Statistics in Seasonally Ice-Covered Seas. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	14
18	Wave height return periods from combined measurement – model data: a Baltic Sea case study. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 3593-3609.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Vertical temperature dynamics in the Northern Baltic Sea based on 3D modelling and data from shallow-water Argo floats. <i>Journal of Marine Systems</i> , 2016, 158, 34-44.	0.9	13
20	Attributing mean circulation patterns to physical phenomena in the Gulf of Finland. <i>Oceanologia</i> , 2018, 60, 16-31.	1.1	13
21	Surface Stokes drift in the Baltic Sea based on modelled wave spectra. <i>Ocean Dynamics</i> , 2018, 68, 17-33.	0.9	12
22	Circulation patterns in the Gulf of Finland from daily to seasonal timescales. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 71, 1627149.	0.8	12
23	Evaluating hydrography, circulation and transport in a coastal archipelago using a high-resolution 3D hydrodynamic model. <i>Journal of Marine Systems</i> , 2018, 180, 24-36.	0.9	11
24	An Integrated Approach to Coastal and Biological Observations. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	11
25	Improving Baltic Sea wave forecasts using modelled surface currents. <i>Ocean Dynamics</i> , 2021, 71, 635-653.	0.9	11
26	Water exchange between the inner and outer archipelago areas of the Finnish Archipelago Sea in the Baltic Sea. <i>Ocean Dynamics</i> , 2020, 70, 1421-1437.	0.9	10
27	WAM, SWAN and WAVEWATCH III in the Finnish archipelago – the effect of spectral performance on bulk wave parameters. <i>Journal of Operational Oceanography</i> , 2020, 13, 55-70.	0.6	7
28	Baltic Sea Operational Oceanography – A Stimulant for Regional Earth System Research. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	7
29	Swell hindcast statistics for the Baltic Sea. <i>Ocean Science</i> , 2021, 17, 1815-1829.	1.3	7
30	Evaluating Strong Currents at a Fairway in the Finnish Archipelago Sea. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 122.	1.2	5
31	Refined estimates of water transport through the Åland Sea in the Baltic Sea. <i>Ocean Science</i> , 2022, 18, 89-108.	1.3	4
32	The impact of surface currents on the wave climate in narrow fjords. <i>Ocean Modelling</i> , 2021, 168, 101894.	1.0	3
33	Wave forecasting in coastal archipelagos. , 2014, , .		2
34	The effect of boundary field accuracy on high-resolution coastal wave modelling. , 2014, , .		2
35	Editorial: Living Along Gradients: Past, Present, Future. <i>Frontiers in Marine Science</i> , 2020, 6, .	1.2	1
36	First SMOS Sea Surface Salinity dedicated products over the Baltic Sea. <i>Earth System Science Data</i> , 2022, 14, 2343-2368.	3.7	1

#	ARTICLE	IF	CITATIONS
37	A Wave Forecast for the Helsinki Archipelago in the Gulf of Finland. , 2018, , .		0