

# Urmas Raudsepp

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,032  
citations

516710

16  
h-index

454955

30  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1789  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing reconstructed past variations and future projections of the Baltic Sea ecosystem – first results from multi-model ensemble simulations. <i>Environmental Research Letters</i> , 2012, 7, 034005.	5.2	116
2	Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142.	1.2	96
3	The Copernicus Marine Environment Monitoring Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2016, 9, s235-s320.	1.2	86
4	Copernicus Marine Service Ocean State Report, Issue 3. <i>Journal of Operational Oceanography</i> , 2019, 12, S1-S123.	1.2	66
5	Operational monitoring of suspended matter distribution using MODIS images and numerical modelling. <i>Advances in Space Research</i> , 2006, 38, 2182-2188.	2.6	52
6	Copernicus Marine Service Ocean State Report, Issue 4. <i>Journal of Operational Oceanography</i> , 2020, 13, S1-S172.	1.2	47
7	On the estuarine transport reversal in deep layers of the Gulf of Finland. <i>Journal of Sea Research</i> , 2003, 49, 267-274.	1.6	46
8	Copernicus Marine Service Ocean State Report, Issue 5. <i>Journal of Operational Oceanography</i> , 2021, 14, 1-185.	1.2	39
9	Modelling of discharges from Baltic Sea shipping. <i>Ocean Science</i> , 2021, 17, 699-728.	3.4	29
10	Shipborne nutrient dynamics and impact on the eutrophication in the Baltic Sea. <i>Science of the Total Environment</i> , 2019, 671, 189-207.	8.0	27
11	Increased frequency of wintertime stratification collapse events in the Gulf of Finland since the 1990s. <i>Journal of Marine Systems</i> , 2014, 129, 47-55.	2.1	25
12	Interannual and Seasonal Temperature and Salinity Variations in the Gulf of Riga and Corresponding Saline Water Inflow From the Baltic Proper. <i>Hydrology Research</i> , 2001, 32, 135-160.	2.7	23
13	A stochastic model for the sea level in the Estonian coastal area. <i>Journal of Marine Systems</i> , 1999, 22, 69-87.	2.1	22
14	Basin-Scale Topographic Waves in the Gulf of Riga*. <i>Journal of Physical Oceanography</i> , 2003, 33, 1129-1140.	1.7	20
15	Modelling the spatial distribution of phytoplankton and inorganic nitrogen in Narva Bay, southeastern Gulf of Finland, in the biologically active period. <i>Ecological Modelling</i> , 2007, 201, 348-358.	2.5	20
16	Linking atmospheric, terrestrial and aquatic environments: Regime shifts in the Estonian climate over the past 50 years. <i>PLoS ONE</i> , 2018, 13, e0209568.	2.5	18
17	An investigation of anticyclonic circulation in the southern Gulf of Riga during the spring period. <i>Continental Shelf Research</i> , 2014, 78, 75-84.	1.8	17
18	Recent regime of persistent hypoxia in the Baltic Sea. <i>Environmental Research Communications</i> , 2021, 3, 075004.	2.3	17

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19	Water quality assessment using integrated modeling and monitoring in Narva Bay, Gulf of Finland. <i>Environmental Modeling and Assessment</i> , 2006, 11, 315-332.	2.2	16
20	Modelling the Influence of Major Baltic Inflows on Near-Bottom Conditions at the Entrance of the Gulf of Finland. <i>PLoS ONE</i> , 2014, 9, e112881.	2.5	16
21	Model study on present and future eutrophication and nitrogen fixation in the Gulf of Finland, Baltic Sea. <i>Journal of Marine Systems</i> , 2014, 129, 76-85.	2.1	16
22	Wind wave measurements and modelling in K�rdema Bay, Estonian Archipelago Sea. <i>Journal of Marine Systems</i> , 2008, 74, S30-S40.	2.1	15
23	Model for leisure boat activities and emissions – implementation for the Baltic Sea. <i>Ocean Science</i> , 2020, 16, 1143-1163.	3.4	15
24	Simulation of Wave Damping Near Coast due to Offshore Wind Farms. <i>Journal of Coastal Research</i> , 2012, 279, 143-148.	0.3	14
25	Framework for the environmental impact assessment of operational shipping. <i>Ambio</i> , 2022, 51, 754-769.	5.5	14
26	River bulge evolution and dynamics in a non-tidal sea – Daugava River plume in the Gulf of Riga, Baltic Sea. <i>Ocean Science</i> , 2016, 12, 417-432.	3.4	14
27	Long-term mean, interannual and seasonal circulation in the Gulf of Finland – The wide salt wedge estuary or gulf type ROFI. <i>Journal of Marine Systems</i> , 2019, 195, 1-19.	2.1	13
28	Comparison of hyperspectral measurements of the attenuation and scattering coefficients spectra with modeling results in the north-eastern Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 1-9.	2.1	11
29	Identification of the coastal zone of the central and eastern Gulf of Finland by numerical modeling, measurements, and remote sensing of chlorophyll a. <i>Hydrobiologia</i> , 2009, 629, 187-198.	2.0	9
30	Validation of GETM model simulated long-term salinity fields in the pathway of saltwater transport in response to the Major Baltic Inflows in the Baltic Sea. , 2014, , .		9
31	Assessing the potential for sea-based macroalgae cultivation and its application for nutrient removal in the Baltic Sea. <i>Science of the Total Environment</i> , 2022, 839, 156230.	8.0	9
32	Detection of oil spills on SAR images, identification of polluters and forecast of the slicks trajectory. , 2008, , .		8
33	Modelling spatial dispersion of contaminants from shipping lanes in the Baltic Sea. <i>Marine Pollution Bulletin</i> , 2021, 173, 112985.	5.0	8
34	Oil Spill statistics from SAR images in the North Eastern Baltic Sea ship route in 2007&#x2013;2009. , 2010, , .		7
35	Application of the Bryan-Cox-type ocean model to reproduce synoptic and mesoscale variability of the Irbre Strait salinity front. <i>Ocean Dynamics</i> , 1999, 51, 477-488.	0.2	5
36	Environmental monitoring of water quality in coastal sea area using remote sensing and modeling. , 2006, , .		5

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37	Projected Changes in Wave Conditions in the Baltic Sea by the end of 21st Century and the Corresponding Shoreline Changes. Journal of Coastal Research, 2016, 75, 1012-1016.	0.3	5
38	Observations of near-bottom currents in the Gulf of Riga, Baltic Sea. , 2001, 63, 385-405.		4
39	BOOS/HIROMB-based marine forecasts in Estonia: Problems, experiences and challenges. , 2006, , .		3
40	Use of lightweight on-line GPS drifters for surface current and ice drift observations. , 2010, , .		3
41	Comparison of operational ice charts with satellite based ice concentration products in the Baltic Sea. , 2010, , .		3
42	Monitoring of harbor dredging using remote sensing and optical in situ data. , 2009, , .		2
43	Sea ice co ncentration and type analysis from dual pol Radarsat-2 and Modis images in the Baltic Sea. , 2009, , .		2
44	Validation of Seatrack Web using surface drifters in the Gulf of Finland and Baltic proper. , 2010, , .		2
45	SAR imagery and Seatrack Web as decision making tools for illegal oil spill combating &#x2014; a case study. , 2010, , .		2
46	Analysis of temporal variability of measured and modeled vertical distributions of salinity and temperature in the Gulf of Finland during 10-year period. , 2010, , .		2
47	A method for assessment of the general circulation model quality using the &lt;i>K&lt;/i>-means clustering algorithm: a case study with GETM v2.5. Geoscientific Model Development, 2022, 15, 535-551.	3.6	2
48	The Gulf of Riga as a resource for wind energy &#x2014; a project description. , 2010, , .		1
49	Operational observations methods during offshore sand mining &#x2014; case study in Tallinn Bay, the southern Gulf of Finland. , 2010, , .		1
50	Simple model calculations of the ice thickness for complementing satellite remote sensing of ice extent. , 2010, , .		1
51	Use of earth observation data and numerical modeling in the development of marine downstream services in Estonia. , 2010, , .		1
52	Dominant zoobenthic species in the northwestern coastal sea of Estonia &#x2014; potential role of abiotic stresses. , 2010, , .		1
53	Defining the extent of coastal zone for ecosystem-based management. , 2008, , .		0
54	Long-term high-resolution hydrodynamical model simulation in the Gulf of Finland. , 2010, , .		0

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55	Monitoring environmental conditions in Muuga harbor using Envisat MERIS and ASAR data. , 2010, , .		0
56	Spatial distribution of macrozoobenthos according to environmental conditions in the Lahepere Bay region. , 2014, , .		0
57	Offshore spreading of buoyant bulge from numerical simulations and laboratory experiments. , 2014, , .		0
58	Identification of the coastal zone of the central and eastern Gulf of Finland by numerical modeling, measurements, and remote sensing of chlorophyll a. , 2009, , 187-198.		0