

# 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	Framework for the environmental impact assessment of operational shipping. <i>Ambio</i> , 2022, 51, 754-769.	5.5	14
2	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. <i>Geoscientific Model Development</i> , 2022, 15, 535-551.	3.6	2
3	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
4	Modelling of discharges from Baltic Sea shipping. <i>Ocean Science</i> , 2021, 17, 699-728.	3.4	29
5	Recent regime of persistent hypoxia in the Baltic Sea. <i>Environmental Research Communications</i> , 2021, 3, 075004.	2.3	17
6	Copernicus Marine Service Ocean State Report, Issue 5. <i>Journal of Operational Oceanography</i> , 2021, 14, 1-185.	1.2	39
7	Modelling spatial dispersion of contaminants from shipping lanes in the Baltic Sea. <i>Marine Pollution Bulletin</i> , 2021, 173, 112985.	5.0	8
8	Copernicus Marine Service Ocean State Report, Issue 4. <i>Journal of Operational Oceanography</i> , 2020, 13, S1-S172.	1.2	47
9	Model for leisure boat activities and emissions â€œ implementation for the Baltic Sea. <i>Ocean Science</i> , 2020, 16, 1143-1163.	3.4	15
10	Copernicus Marine Service Ocean State Report, Issue 3. <i>Journal of Operational Oceanography</i> , 2019, 12, S1-S123.	1.2	66
11	Long-term mean, interannual and seasonal circulation in the Gulf of Finland â€œ The wide salt wedge estuary or gulf type ROFI. <i>Journal of Marine Systems</i> , 2019, 195, 1-19.	2.1	13
12	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
13	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
14	Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142.	1.2	96
15	The Copernicus Marine Environment Monitoring Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2016, 9, s235-s320.	1.2	86
16	Projected Changes in Wave Conditions in the Baltic Sea by the end of 21st Century and the Corresponding Shoreline Changes. <i>Journal of Coastal Research</i> , 2016, 75, 1012-1016.	0.3	5
17	River bulge evolution and dynamics in a non-tidal sea â€œ Daugava River plume in the Gulf of Riga, Baltic Sea. <i>Ocean Science</i> , 2016, 12, 417-432.	3.4	14
18	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

#	ARTICLE	IF	CITATIONS
19	Modelling the Influence of Major Baltic Inflows on Near-Bottom Conditions at the Entrance of the Gulf of Finland. PLoS ONE, 2014, 9, e112881.	2.5	16
20	Increased frequency of wintertime stratification collapse events in the Gulf of Finland since the 1990s. Journal of Marine Systems, 2014, 129, 47-55.	2.1	25
21	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
22	Spatial distribution of macrozoobenthos according to environmental conditions in the Lahepere Bay region. , 2014, , .		0
23	Offshore spreading of buoyant bulge from numerical simulations and laboratory experiments. , 2014, , .		0
24	Model study on present and future eutrophication and nitrogen fixation in the Gulf of Finland, Baltic Sea. Journal of Marine Systems, 2014, 129, 76-85.	2.1	16
25	An investigation of anticyclonic circulation in the southern Gulf of Riga during the spring period. Continental Shelf Research, 2014, 78, 75-84.	1.8	17
26	Simulation of Wave Damping Near Coast due to Offshore Wind Farms. Journal of Coastal Research, 2012, 279, 143-148.	0.3	14
27	Comparing reconstructed past variations and future projections of the Baltic Sea ecosystemâ€™first results from multi-model ensemble simulations. Environmental Research Letters, 2012, 7, 034005.	5.2	116
28	Validation of Seatrack Web using surface drifters in the Gulf of Finland and Baltic proper. , 2010, , .		2
29	Oil Spill statistics from SAR images in the North Eastern Baltic Sea ship route in 2007&#x2013;2009. , 2010, , .		7
30	Long-term high-resolution hydrodynamical model simulation in the Gulf of Finland. , 2010, , .		0
31	SAR imagery and Seatrack Web as decision making tools for illegal oil spill combating &#x2014; a case study. , 2010, , .		2
32	The Gulf of Riga as a resource for wind energy &#x2014; a project description. , 2010, , .		1
33	Use of lightweight on-line GPS drifters for surface current and ice drift observations. , 2010, , .		3
34	Operational observations methods during offshore sand mining &#x2014; case study in Tallinn Bay, the southern Gulf of Finland. , 2010, , .		1
35	Simple model calculations of the ice thickness for complementing satellite remote sensing of ice extent. , 2010, , .		1
36	Comparison of operational ice charts with satellite based ice concentration products in the Baltic Sea. , 2010, , .		3

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37	Use of earth observation data and numerical modeling in the development of marine downstream services in Estonia. , 2010, , .		1
38	Dominant zoobenthic species in the northwestern coastal sea of Estonia &#x2014; potential role of abiotic stresses. , 2010, , .		1
39	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
40	Monitoring environmental conditions in Muuga harbor using Envisat MERIS and ASAR data. , 2010, , .		0
41	Monitoring of harbor dredging using remote sensing and optical in situ data. , 2009, , .		2
42	Identification of the coastal zone of the central and eastern Gulf of Finland by numerical modeling, measurements, and remote sensing of chlorophyll a. Hydrobiologia, 2009, 629, 187-198.	2.0	9
43	Sea ice co ncentration and type analysis from dual pol Radarsat-2 and Modis images in the Baltic Sea. , 2009, , .		2
44	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
45	Wind wave measurements and modelling in KÅ¼dema Bay, Estonian Archipelago Sea. Journal of Marine Systems, 2008, 74, S30-S40.	2.1	15
46	Defining the extent of coastal zone for ecosystem-based management. , 2008, , .		0
47	Detection of oil spills on SAR images, identification of polluters and forecast of the slicks trajectory. , 2008, , .		8
48	Modelling the spatial distribution of phytoplankton and inorganic nitrogen in Narva Bay, southeastern Gulf of Finland, in the biologically active period. Ecological Modelling, 2007, 201, 348-358.	2.5	20
49	Environmental monitoring of water quality in coastal sea area using remote sensing and modeling. , 2006, , .		5
50	BOOS/HIROMB-based marine forecasts in Estonia: Problems, experiences and challenges. , 2006, , .		3
51	Operational monitoring of suspended matter distribution using MODIS images and numerical modelling. Advances in Space Research, 2006, 38, 2182-2188.	2.6	52
52	Water quality assessment using integrated modeling and monitoring in Narva Bay, Gulf of Finland. Environmental Modeling and Assessment, 2006, 11, 315-332.	2.2	16
53	On the estuarine transport reversal in deep layers of the Gulf of Finland. Journal of Sea Research, 2003, 49, 267-274.	1.6	46
54	Basin-Scale Topographic Waves in the Gulf of Riga*. Journal of Physical Oceanography, 2003, 33, 1129-1140.	1.7	20

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55	Interannual and Seasonal Temperature and Salinity Variations in the Gulf of Riga and Corresponding Saline Water Inflow From the Baltic Proper. Hydrology Research, 2001, 32, 135-160.	2.7	23
56	Observations of near-bottom currents in the Gulf of Riga, Baltic Sea. , 2001, 63, 385-405.		4
57	Application of the Bryan-Cox-type ocean model to reproduce synoptic and mesoscale variability of the Irbe Strait salinity front. Ocean Dynamics, 1999, 51, 477-488.	0.2	5
58	A stochastic model for the sea level in the Estonian coastal area. Journal of Marine Systems, 1999, 22, 69-87.	2.1	22