

JÃ¼ri Elken

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

643
citations

687363

13
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent regime of persistent hypoxia in the Baltic Sea. <i>Environmental Research Communications</i> , 2021, 3, 075004.	2.3	17
2	Data assimilation of sea surface temperature and salinity using basin-scale reconstruction from empirical orthogonal functions: a feasibility study in the northeastern Baltic Sea. <i>Ocean Science</i> , 2021, 17, 91-109.	3.4	2
3	Fronts in the Baltic Sea: A Review with a Focus on Its North-Eastern Part. <i>Handbook of Environmental Chemistry</i> , 2021, , 143-181.	0.4	2
4	Reconstruction of Large-Scale Sea Surface Temperature and Salinity Fields Using Sub-Regional EOF Patterns From Models. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	7
5	Testing marine data assimilation in the northeastern Baltic using satellite SST products from the Copernicus Marine Environment Monitoring Service. <i>Proceedings of the Estonian Academy of Sciences</i> , 2018, 67, 217.	1.5	5
6	Reconstructing sea surface temperature and salinity fields in the northeastern Baltic from observational data, based on sub-regional Empirical Orthogonal Function (EOF) patterns from models. , 2018, , .		2
7	Atmospheric forcing controlling inter-annual nutrient dynamics in the open Gulf of Finland. <i>Journal of Marine Systems</i> , 2017, 171, 4-20.	2.1	16
8	Observed flow variability along the thalweg, and on the coastal slopes of the Gulf of Finland, Baltic Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 195, 23-33.	2.1	11
9	Recent Changeâ€”Marine Circulation and Stratification. <i>Regional Climate Studies</i> , 2015, , 131-144.	1.2	29
10	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
11	Progress in physical oceanography of the Baltic Sea during the 2003â€”2014 period. <i>Progress in Oceanography</i> , 2014, 128, 139-171.	3.2	90
12	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
13	Estuarine circulation reversals and related rapid changes in winter near-bottom oxygen conditions in the Gulf of Finland, Baltic Sea. <i>Ocean Science</i> , 2013, 9, 917-930.	3.4	20
14	Simulated halocline variability in the Baltic Sea and its impact on hypoxia during 1961â€”2007. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6982-7000.	2.6	66
15	Structure of unsteady overflow in the SÅ„upsk Furrow of the Baltic Sea. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
16	Operational sea level forecasting in Estonia. <i>Estonian Journal of Engineering</i> , 2011, 17, 301.	0.4	22
17	Pathways of suspended particles transport in the bottom layer of the southern Baltic Sea depending on the wind forcing (Numerical Simulation). <i>Oceanology</i> , 2010, 50, 841-854.	1.2	4
18	Comparison of current simulations by the state-of-the-art operational models in the Gulf of Finland with ADCP measurements. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
19	Direct estimates of the lateral eddy diffusivity in the gulf of finland of the Baltic Sea (based on the Tj ETQq1 1 0.784314 rgBT ₅ /Overlo	1.2	5
20	Provisional symposium proceedings. , 2008, , .		0
21	Sub-regional observing and forecast system for the NE Baltic: Needs and first results. , 2008, , .		3
22	Estuarine transport versus vertical movement and mixing of water masses in the Gulf of Finland (Baltic Sea). , 2008, , .		9
23	Pathways of suspended particles released in the bottom boundary layer of the Bornholm Deep, Baltic Sea (numerical simulations). , 2008, , .		2
24	BOOS/HIROMB-based marine forecasts in Estonia: Problems, experiences and challenges. , 2006, , .		3
25	Baltic operational oceanographic system BOOS. , 2006, , .		1
26	Baltic operational oceanographic system — BOOS. , 2004, , .		0
27	Portable coastal operational oceanographic system to monitor the harbor-related environmental impacts in Estonia. , 2004, , .		2
28	Knowledge of the Baltic Sea physics gained during the BALTEX and related programmes. Progress in Oceanography, 2004, 63, 1-28.	3.2	97
29	On the estuarine transport reversal in deep layers of the Gulf of Finland. Journal of Sea Research, 2003, 49, 267-274.	1.6	46
30	Present status of BOOS— baltic operational oceanographic system BOOS Steering group:. Elsevier Oceanography Series, 2003, 69, 466-471.	0.1	0
31	Application of the Bryan-Cox-type ocean model to reproduce synoptic and mesoscale variability of the lrbre Strait salinity front. Ocean Dynamics, 1999, 51, 477-488.	0.2	5
32	A view of the Canary Basin thermocline circulation in winter. Journal of Geophysical Research, 1992, 97, 12495-12510.	3.3	35
33	The North Atlantic current and its associated eddy field southeast of Flemish Cap. Deep-sea Research Part A, Oceanographic Research Papers, 1987, 34, 1163-1185.	1.5	36
34	Physical and chemical variability of the Baltic Sea: a joint experiment in the Gotland Basin. Continental Shelf Research, 1984, 3, 291-310.	1.8	9
35	Synoptic Scale Variability of Hydrophysical Fields in the Baltic Proper on the Basis of CTD Measurements. Elsevier Oceanography Series, 1982, 34, 433-467.	0.1	6
36	Spatio-temporal dynamics of chlorophyll in the open Baltic Sea. Journal of Plankton Research, 1982, 4, 779-790.	1.8	11