

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 | Knowledge of the Baltic Sea physics gained during the BALTEX and related programmes. Progress in Oceanography, 2004, 63, 1-28. | 3.2 | 97 |
| 2 | Progress in physical oceanography of the Baltic Sea during the 2003â€“2014 period. Progress in Oceanography, 2014, 128, 139-171. | 3.2 | 90 |
| 3 | Simulated halocline variability in the Baltic Sea and its impact on hypoxia during 1961â€“2007. Journal of Geophysical Research: Oceans, 2013, 118, 6982-7000. | 2.6 | 66 |
| 4 | On the estuarine transport reversal in deep layers of the Gulf of Finland. Journal of Sea Research, 2003, 49, 267-274. | 1.6 | 46 |
| 5 | 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 |
| 6 | A view of the Canary Basin thermocline circulation in winter. Journal of Geophysical Research, 1992, 97, 12495-12510. | 3.3 | 35 |
| 7 | Recent Changeâ€”Marine Circulation and Stratification. Regional Climate Studies, 2015, , 131-144. | 1.2 | 29 |
| 8 | 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 |
| 9 | Operational sea level forecasting in Estonia. Estonian Journal of Engineering, 2011, 17, 301. | 0.4 | 22 |
| 10 | Estuarine circulation reversals and related rapid changes in winter near-bottom oxygen conditions in the Gulf of Finland, Baltic Sea. Ocean Science, 2013, 9, 917-930. | 3.4 | 20 |
| 11 | 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 |
| 12 | Recent regime of persistent hypoxia in the Baltic Sea. Environmental Research Communications, 2021, 3, 075004. | 2.3 | 17 |
| 13 | Atmospheric forcing controlling inter-annual nutrient dynamics in the open Gulf of Finland. Journal of Marine Systems, 2017, 171, 4-20. | 2.1 | 16 |
| 14 | Structure of unsteady overflow in the SÅ,upsk Furrow of the Baltic Sea. Journal of Geophysical Research, 2012, 117, . | 3.3 | 15 |
| 15 | Spatio-temporal dynamics of chlorophyll in the open Baltic Sea. Journal of Plankton Research, 1982, 4, 779-790. | 1.8 | 11 |
| 16 | Observed flow variability along the thalweg, and on the coastal slopes of the Gulf of Finland, Baltic Sea. Estuarine, Coastal and Shelf Science, 2017, 195, 23-33. | 2.1 | 11 |
| 17 | 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 |
| 18 | Estuarine transport versus vertical movement and mixing of water masses in the Gulf of Finland (Baltic Sea). , 2008, , . | | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | Synoptic Scale Variability of Hydrophysical Fields in the Baltic Proper on the Basis of CTD Measurements. <i>Elsevier Oceanography Series</i> , 1982, 34, 433-467. | 0.1 | 6 |
| 21 | Application of the Bryan-Cox-type ocean model to reproduce synoptic and mesoscale variability of the Irbbe Strait salinity front. <i>Ocean Dynamics</i> , 1999, 51, 477-488. | 0.2 | 5 |
| 22 | Direct estimates of the lateral eddy diffusivity in the gulf of finland of the Baltic Sea (based on the) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 | 1.2 | 5 |
| 23 | 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 |
| 24 | 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 |
| 25 | Comparison of current simulations by the state-of-the-art operational models in the Gulf of Finland with ADCP measurements. , 2010, , . | | 4 |
| 26 | BOOS/HIROMB-based marine forecasts in Estonia: Problems, experiences and challenges. , 2006, , . | | 3 |
| 27 | Sub-regional observing and forecast system for the NE Baltic: Needs and first results. , 2008, , . | | 3 |
| 28 | Portable coastal operational oceanographic system to monitor the harbor-related environmental impacts in Estonia. , 2004, , . | | 2 |
| 29 | Pathways of suspended particles released in the bottom boundary layer of the Bornholm Deep, Baltic Sea (numerical simulations). , 2008, , . | | 2 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Baltic operational oceanographic system BOOS. , 2006, , . | | 1 |
| 34 | Present status of BOOSâ€” baltic operational oceanographic system BOOS Steering group:. <i>Elsevier Oceanography Series</i> , 2003, 69, 466-471. | 0.1 | 0 |
| 35 | Baltic operational oceanographic system — BOOS. , 2004, , . | | 0 |
| 36 | Provisional symposium proceedings. , 2008, , . | | 0 |