

Application of empirical orthogonal functions reveals multiple modes of variations in the Baltic Sea wave climate

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 50
http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Baltic Sea wave climate variability and its connection with climatic indices deduced from Empirical Orthogonal Functions

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Abstracts : [BSSC 2019] 2019 / p. 125
https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Baltic Sea wave climate via empirical orthogonal function analysis [Online resource]

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 40 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

A comparison of Baltic Sea wave properties simulated using two modelled wind data sets

Giudici, Andrea; Jankowski, Mikolaj Zbigniew; Männikus, Rain; Najafzadeh, Fatemeh; Suursaar, Ülo; Soomere, Tarmo Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill <https://doi.org/10.1016/j.ecss.2023.108401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contribution of atmospheric teleconnections in regional wave climate variability based on EOF application : Baltic Sea case

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo American Geophysical Union, Fall Meeting 2020 2020 / abstract <https://ui.adsabs.harvard.edu/#abs/2020AGUFMOS0470002N/abstract>

Effect of ice cover on wave statistics and wave-driven processes in the northern Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea Boreal environment research 2022 / p. 97-116 : ill <https://www.borenv.net/BER/archive/pdfs/ber27/ber27-097-116.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of large-scale atmospheric circulation on the Baltic Sea wave climate : application of the EOF method on multi-mission satellite altimetry data

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Climate dynamics 2021 / p. 3465–3478 : ill <https://doi.org/10.1007/s00382-021-05874-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of the sampling bias on retrieved modes of wave climate variations from satellite altimetry : Baltic Sea case study

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int>

Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Giudici, Andrea; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / P. 181-182 : ill [Proceeding](#)

High-resolution wave model for coastal management and engineering in the eastern Baltic Sea

Giudici, Andrea; Männikus, Rain; Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Soomere, Tarmo; Suursaar, Ülo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : conference proceedings 2022 / p. 150–151 : ill https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga

Najafzadeh, Fatemeh; Soomere, Tarmo Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

Modelling suitable layout for a small island harbour: A case study of Ruhnu in the Gulf of Riga, eastern Baltic Sea

Männikus, Rain; Wang, W. W.; Eelsalu, Maris; Najafzadeh, Fatemeh; Bihs, H.; Soomere, Tarmo Latvian journal of physics and technical sciences 2024 / p. 3-24 <https://doi.org/10.2478/lpts-2024-0040>

Refraction may redirect waves from multiple directions into a harbour : a case study in the Gulf of Riga, eastern Baltic Sea

Männikus, Rain; Soomere, Tarmo; Najafzadeh, Fatemeh Estonian journal of earth sciences 2022 / p. 80-88 : ill <https://doi.org/10.3176/earth.2022.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Remote sensing and modelling of wind waves in semi-enclosed seas = Tuulelainete kaugseire ja modelleerimine poolsuletud merealadel

Najafzadeh, Fatemeh 2022 <https://doi.org/10.23658/taltech.64/2022> <https://digikogu.taltech.ee/et/Item/f00ab062-2512-47e0-91c1-c871163f58d2> https://www.ester.ee/record=b5525225*est

Spatiotemporal variability of wave climate in the Gulf of Riga

Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Giudici, Andrea; Männikus, Rain; Suursaar, Ülo; Viška, Maija; Soomere, Tarmo Oceanologia 2024 / p. 56-77 : ill <https://doi.org/10.1016/j.oceano.2023.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)