

**A matched filter technique for slow radio transient detection and first demonstration with the Murchison Widefield Array**

Feng, L.; Vaulin, R.; Hewitt, J. N.; Remillard, R.; Kudryavtseva, Nadezhda The astronomical journal 2017 / art. 98  
<https://doi.org/10.3847/1538-3881/153/3/98>

**Abrupt changes in wave climate of regional seas caused by large-scale atmospheric forcing and teleconnections**

Kudryavtseva, Nadezhda Geophysical research abstracts 2020 / EGU2020-22430 <https://doi.org/10.5194/egusphere-egu2020-22430>

**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](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

**Application of non-stationary extreme value modeling to account for trends in extreme water level changes along the Baltic Sea Coast**

Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo The 15th International Coastal Symposium 2018 Haeundae, Busan, Republic of Korea 13th – 18th May 2018 : book of abstracts 2018 / p. 38

**Baltic Sea Remote Sensing**

2021 [https://www.mdpi.com/journal/remotesensing/special\\_issues/Baltic\\_RS#info](https://www.mdpi.com/journal/remotesensing/special_issues/Baltic_RS#info)

**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](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](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

**Changes in the wave climate and severity of storms in the Baltic Sea in 1991-2015 from satellite altimetry**

Kudryavtseva, Nadezhda; Soomere, Tarmo 1st Baltic Earth Conference Multiple Drivers for Earth System Changes in the Baltic Sea Region : Nida, Curonian Spit, Lithuania, 13-17 June 2016 : conference proceedings 2016 / p. 80-81 : ill [http://www.baltic-earth.eu/events/nida2016/material/BalticEarth\\_Nida2016\\_Proceedings.pdf](http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf)

**Coastal flooding : Joint probability of extreme water levels and waves along the Baltic Sea coast**

Kudryavtseva, Nadezhda; Räämet, Andrus; 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. 70-71 : ill "proceedings"

**Coastal flooding: Joint probability of extreme water levels and waves along the Baltic Sea coast**

Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo Journal of coastal research 2020 / p. 1146-1151  
<https://doi.org/10.2112/S195-222.1> 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>

**Differences in stationary and nonstationary analysis of water level extremes in Latvian waters, Baltic Sea, during 1961-2018**

Männikus, Rain; Kudryavtseva, Nadezhda; 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.74-75 : ill "proceedings"

**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.borenav.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-energy sources at low radio frequency : the Murchison Widefield Array view of Fermi blazars**

Giroletti, M.; Massaro, F.; D'Abrusco, R.; **Kudryavtseva, Nadezhda** Astronomy and astrophysics 2016 / p. 1-9 : ill <http://dx.doi.org/10.1051/0004-6361/201527817>

**Identification of mechanisms that drive water level extremes from in situ measurements in the Gulf of Riga during 1961-2017**

**Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda** Continental shelf research 2019 / p. 22-36 <https://doi.org/10.1016/j.csr.2019.05.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Low altitude solar magnetic reconnection, type III solar radio bursts, and X-ray emissions**

Cairns, I.H.; Lobzin, V.V.; Donea, A.; **Kudryavtseva, Nadezhda** Scientific reports 2018 / art. 1676, p. 1-12 : ill <https://doi.org/10.1038/s41598-018-19195-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling non-stationary loads induced by changing climate : [plenary lecture]**

**Kudryavtseva, Nadezhda** 33rd Nordic Seminar on Computational Mechanics, Jönköping 25-26 November 2021 / 1 p <https://congress.cimne.com/NSCM-33/Admin/Files/FileAbstract/a41.pdf>

**Modification of closure depths by synchronisation of severe seas and high water levels**

**Soomere, Tarmo; Männikus, Rain; Pindsoo, Katri; Kudryavtseva, Nadezhda; Eelsalu, Maris** Geo-marine letters 2017 / p. 35-46 : ill <https://doi.org/10.1007/s00367-016-0471-5>

**Multi-mission satellite altimetry shows changes in extreme wave heights over the Baltic Sea and their connection to the NAO and AO climatic indice**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int/NikalWebsitePortal/living-planet-symposium-2019/lps19/Speaker>

**Non-stationarity of sea level extremes caused by abrupt changes in atmospheric circulation in the Gulf of Riga (Baltic Sea)**

**Kudryavtseva, Nadezhda; Soomere, Tarmo; Männikus, Rain** American Geophysical Union, Fall Meeting 2020 2020 / abstract <https://ui.adsabs.harvard.edu/abs/2020AGUFMNH0380003K/abstract>

**Non-stationary analysis of water level extremes in Latvian waters, Baltic Sea, during 1961-2018**

**Kudryavtseva, Nadezhda; Soomere, Tarmo; Männikus, Rain** Natural Hazards and Earth System Sciences 2021 / p. 1279-1296 : ill <https://doi.org/10.5194/nhess-21-1279-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Non-Stationary extreme value modeling of trends in extreme water levels in the Gulf of Finland**

**Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo** From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 26

**Nonstationary modeling of extremes in water levels along the Baltic Sea coast [Online resource]**

**Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 92-93 : ill [https://www.baltic-earth.eu/publications/IBESPublications/No\\_13\\_Helsingor\\_Proceedings/2ndBalticEarthConferenceProceedings\\_IBESP\\_No13\\_web.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf)

**Non-stationary modeling of trends in extreme water level changes along the Baltic Sea coast**

**Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo** Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 586-590 <https://doi.org/10.2112/SI85-118.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

**Non-stationary modeling reveals strong connection between extreme water level changes and NAO along the Baltic Sea coast**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Abstracts : [BSSC 2019] 2019 / p. 111 [https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**On the water level measurements in the Gulf of Riga during 1961-2016 [Online resource]**

**Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 130-131 : ill [https://www.baltic-earth.eu/publications/IBESPublications/No\\_13\\_Helsingor\\_Proceedings/2ndBalticEarthConferenceProceedings\\_IBESP\\_No13\\_web.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf)

### **Satellite altimetry reveals spatial patterns of variations in the Baltic Sea wave climate**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Earth System Dynamics 2017 / p. 697-706 : ill <http://doi.org/10.5194/esd-2016-68>

### **Satellite altimetry shows changes in extreme wave heights over the Baltic Sea**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 89 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

### **Spatial variations in the Caspian Sea wave climate in 2002–2013 from satellite altimetry**

**Kudryavtseva, Nadezhda; Kussembayeva, Kuanysh; Rakisheva, Zaure Bayanovna; Soomere, Tarmo** Estonian journal of earth sciences 2019 / p. 225-240 : ill <https://doi.org/10.3176/earth.2019.16>

[http://www.kirj.ee/public/Estonian\\_Journal\\_of\\_Earth\\_Sciences/2019/issue\\_4/earth-2019-4-225-240.pdf](http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2019/issue_4/earth-2019-4-225-240.pdf) [Journal metrics at Scopus Article at Scopus](#) [Journal metrics at WOS Article at WOS](#)

### **Studying the change of average waves of the Caspian Sea using the altimetry data**

**Rakisheva, Zaure Bayanovna; Kudryavtseva, Nadezhda; Kussembayeva, Kuanysh; Sakhayeva, Aigerim** Journal of mathematics, mechanics and computer science 2019 / p. 59-75 : ill <https://doi.org/10.26577/JMMCS-2019-1-618>

### **Superelevations of water level in the Gulf of Riga [Online resource]**

**Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda** 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. 38 [https://www.baltic-earth.eu/publications/IBESPublications/No\\_14\\_Workshop\\_Multiple\\_Drivers\\_Tallinn\\_Nov2018/No.14\\_Tallinn2018.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

### **A synergy approach for the validation of coastal altimetry data in the Baltic Sea**

**Delpeche-Ellmann, Nicole Camille; Pindsoo, Katri; Kudryavtseva, Nadezhda; Soomere, Tarmo** 10th Coastal Altimetry workshop, 21-24 February 2017, Florence, Italy : abstracts 2017 / p. 37 <http://old.esaconferencebureau.com/docs/default-source/17c07-img/abstract-book.pdf?sfvrsn=0>

### **The importance of wide-field foreground removal for 21 cm cosmology : a demonstration with early MWA epoch of reionization observations**

**Pober, J. C.; Hazelton, B. J.; Beardsley, A. P.; Kudryavtseva, Nadezhda** The astrophysical journal 2016 / art. 8, p. 1-13 <http://doi.org/10.3847/0004-637X/819/1/8>

### **The role of nearshore slope on cross-shore surface transport during a coastal upwelling event in Gulf of Finland, Baltic Sea**

**Delpeche-Ellmann, Nicole Camille; Soomere, Tarmo; Kudryavtseva, Nadezhda** Estuarine, coastal and shelf science 2018 / p. 123-135 : ill <https://doi.org/10.1016/j.ecss.2018.03.018> [Journal metrics at Scopus Article at Scopus](#) [Journal metrics at WOS Article at WOS](#)

### **Transfer of techniques developed for the Baltic Sea to the Caspian Sea region : Decadal wave climate variability of the Caspian Sea from satellite altimetry**

**Kussembayeva, Kuanysh; 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. 41 [http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

### **Validation of multi-mission satellite altimetry for the Baltic Sea region**

**Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea** Geophysical research abstracts 2016 / p. EGU2016-5571

### **Validation of the multi-mission altimeter wave height data for the Baltic Sea region**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Estonian journal of earth sciences 2016 / p. 161-175 : ill <http://dx.doi.org/10.3176/earth.2016.13> [https://artiklid.elnet.ee/record=b2802414\\*est](https://artiklid.elnet.ee/record=b2802414*est)

### **Validation of the new Sentinel-3 satellite altimetry data in the Baltic Sea basin**

**Kudryavtseva, Nadezhda; Delpeche-Ellmann, Nicole Camille; Soomere, Tarmo** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 311 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

### **Variability of distributions of wave set-up heights along a shoreline with complicated geometry**

**Soomere, Tarmo; Pindsoo, Katri; Kudryavtseva, Nadezhda; Eelsalu, Maris** Ocean science 2020 / p. 1047-1065 <https://doi.org/10.5194/os-16-1047-2020> [Journal metrics at Scopus Article at Scopus](#) [Journal metrics at WOS Article at WOS](#)

### **Variations in the wave climate of the Baltic Sea in the last 25 years from satellite altimetry**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Geophysical research abstracts 2016 / p. EGU2016-5589

### **Высота волн в западной части Балтийского моря увеличивается на 5 мм в год**

**Kudryavtseva, Nadezhda** rus.delfi.ee 2021 [Высота волн в западной части Балтийского моря увеличивается на 5 мм в год](#)

**Сегодня в Эстонии можно будет наблюдать солнечное затмение**

**Kudryavtseva, Nadezhda** rus.postimees.ee 2021 [Сегодня в Эстонии можно будет наблюдать солнечное затмение](#)

**Сегодня в Эстонии можно было наблюдать солнечное затмение**

**Kudryavtseva, Nadezhda** rus.delfi.ee 2021 [ФОТО | Сегодня в Эстонии можно было наблюдать солнечное затмение](#)