

Advances in nonlinear wave research for hazard warning and mitigation

Didenkulova, Irina; Grimshaw, Roger; Slunyaev, Alexey; Tinti, Stefano Natural hazards 2016 / p. S431-S436

<https://doi.org/10.1007/s11069-016-2633-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analytical solutions for tsunami waves generated by submarine landslides in narrow bays and channels

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2013 / p. 1661-1671 : ill <https://doi.org/10.1007/s00024-012-0510-8>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dispersive and nondispersing nonlinear long wave transformations: numerical and experimental results

Torsvik, Tomas; **Abdalazeez, Ahmed**; Dutykh, Denys; Denissenko, Petr; **Didenkulova, Irina** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 41-60 https://doi.org/10.1007/978-3-030-29951-4_3

[https://www.esther.ee/record=b5303400*est](#)

Eesti rannikul tasub karta hiidlaineid : [TTÜ teadurite Sirje Keevalliku ja Tarmo Soomere kommentaarid]

Ideon, Argo; **Keevallik, Sirje;** **Soomere, Tarmo** Eesti Ekspress 2005 / 6. okt., lk. A16

Eesti rannikul võib karta hiidlaineid : [Tarmo Soomere kommentaariga]

Soomere, Tarmo Linnaleht 2005 / 7. okt., lk. A5

Experimental investigation of floating debris impact loading on structures during extreme waves like tsunami

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the 28th (2018) International Ocean and Polar Engineering Conference (ISOPE-2018) 2018 / ISOPE-I-18-070, 6 p [Experimental investigation... Conference proceedings at Scopus](#) [Article at Scopus](#)

Experimental study of wave impact on the nearshore structures during extreme coastal floods

Sriram, Venkatachalam; **Didenkulova, Irina**; Pelinovsky, Efim; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-4240

Exposure of a coastal city to a landslide tsunami : a case study of Cassis, France

Averbukh, Elena; Dussouillez, Philippe; Kharif, Christian; Khvostova, Olga; Kurkin, Andrey; Rochette, Pierre; **Soomere, Tarmo** Estonian journal of engineering 2013 / p. 124-142 : ill https://artiklid.elnet.ee/record=b2621595*est <https://doi.org/10.3176/eng.2013.2.03>

Hiidlained : meremeeste müütitest tänapäeva tipptehnoloogiasse

Soomere, Tarmo Tarkade Klubi 2010 / erinumber, lk. 44-45 : ill

Impact of flow-driven debris on coastal structure during tsunami Bore

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the Fourth International Conference in Ocean Engineering (ICOE2018), vol. 2 2019 / p. 315-326 https://doi.org/10.1007/978-981-13-3134-3_24 [Conference proceedings metrics at Scopus](#) [Article at Scopus](#)

Katastroofide füüsika : tormitaju ja tsunami

Soomere, Tarmo Katastroofid Maa ajaloos 2012 / lk. 41-54 : ill

Kui emake loodus astub

Raukas, Anto Kultuuri KesKus 2011 / lk. 35-37 : ill https://artiklid.elnet.ee/record=b2249164*est

Lessons in wave theory from the Indian Ocean Tsunami of Millennium and from the Baltic Sea Storm Surge of Century

Soomere, Tarmo Journal of structural mechanics = Rakenteiden mekaniikka 2005 / 3, p. 31

Long wave generation and coastal amplification due to propagating atmospheric pressure disturbances

Dogan, Gozde Guney; Pelinovsky, Efim; Zaytsev, Andrey; Metin, Ayse Duha; Ozyurt Tarakcioglu, Gulizar; Yalciner, Ahmet Cevdet; Yalciner, Bora; **Didenkulova, Ira** Natural hazards 2021 / p. 1195-1221 : ill <https://doi.org/10.1007/s11069-021-04625-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long wave run-up on plane and “non-reflecting” slopes

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Fluid Dynamics 2018 / p. 402 - 408 <https://doi.org/10.1134/S0015462818030072>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Läänemere hiidlainete tekkepöhjused : Eesti Teadusfondi projekt "Läänemere pinnalainete anomalaiate analüüs ja modelleerimine", 2000-2003

Soomere, Tarmo Eesti Teadusfondi Aastaraamat 2004 2005 / lk. 16 : ill

Märatsev meri : Kagu-Aasia tsunami

Soomere, Tarmo Horisont 2005 / 2, lk. 10-17 : ill

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Innovations in minimization of natural and technological risks : abstracts of the first Eurasian conference "RISK -2019" : 22 - 24 May 2019, Baku, Azerbaijan 2019 / p. 102
<https://eurasianrisk2020.ge/uploads/RISK-2019/ABSTRACT%20BOOK%20EURASIAN%20RISK-2019.pdf>

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Natural hazards and earth system sciences 2019 / p. 2905–2913 : ill
<https://doi.org/10.5194/nhess-19-2905-2019> <https://nhess.copernicus.org/articles/19/2905/2019/> Journal metrics at Scopus Article at Scopus
Journal metrics at WOS Article at WOS

Nonlinear effects at the initial stage of tsunami-wave development

Pelinovsky, Efim; Rodin, Artem Izvestiya, atmospheric and oceanic physics 2013 / p. 548-553 : ill
<https://doi.org/10.1134/S0001433813050083> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peadmurdvate merelainete lahendamine. Lääneremi. Soome laht. Merelainete muster ajas. Inimese ja laine liit
Soomere, Tarmo Keeruka maailma võlu 2015 / lk. 51-58 : ill., kaart https://www.estr.ee/record=b4488344*est

Preface : New challenges for tsunami science : understanding tsunami processes to improve mitigation and enhance early warning

Hebert, Helene; **Didenkulova, Irina**; Hermann, M. Fritz; Papadopoulos, Gerassimos A. Natural hazards and earth system sciences 2016 / p. 1855-1857 <https://doi.org/10.5194/nhess-16-1855-2016> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Preface "Sea hazards"

Pelinovsky, Efim N.; **Didenkulova, Ira**; Méndez, Fernando J.; Rybski, Diego; Tinti, Stefano Natural Hazards and Earth System Science 2013 / p. 1063 - 1067 <https://doi.org/10.5194/nhess-13-1063-2013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Progress in tsunami science in light of the 2004 and 2011 tsunamis

2015 https://www.nat-hazards-earth-syst-sci.net/special_issue209.html

Rogue waves in the basin of intermediate depth and the possibility of their formation due to the modulational instability

Didenkulova, Irina; Nikolkina, Irina; Pelinovsky, Efim JETP letters 2013 / p. 194-198 : ill <https://doi.org/10.1134/S0021364013040024> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Runup characteristics of symmetrical solitary tsunami waves of "unknown" shapes

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo** Pure and applied geophysics 2008 / p. 2249-2264 : ill
<https://link.springer.com/article/10.1007/s00024-008-0425-6>

Runup of nonlinear asymmetric waves on a plane beach

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo**; Zahibo, Narcisse Tsunami and nonlinear waves 2007 / p. 175-190 : ill
https://link.springer.com/chapter/10.1007/978-3-540-71256-5_8

Ship waves as a simple model of tsunamis and monster waves

Soomere, Tarmo 5th Junior European Meeting on Control & Information Technology : September 20-22, 2006, Tallinn, Estonia : book of abstracts 2006 / p. 2

Suur laine, hiiglasuur laine : [TTÜ raamatukogu kujundaja, köitekunstnik Tiia Eikholm osales rahvusvahelisel heategevuslikul tsunami ohvrite mälestuseks korraldatud projektis; koos T. Eikholmi kommentaariga]
Kivilhall, Pille Sirp 2012 / lk. 14-15 <https://sirp.ee/s1-artiklid/c6-kunst/suur-laine-hiiglasuur-laine/>

The Global Tsunami Model (GTM)

Løvholt, Finn; Thio, Hong Kie; Harbitz, Carl Bonnevie; **Didenkulova, Irina** AGU Fall Meeting : San Francisco, 12-16 December 2016 2016 / p. NH52A-04

Three-dimensional tsunami runup simulation for the port of Koborinai on the Sanriku coast of Japan

Kim, Dong Chule; Kim, Kyeong Ok; Pelinovsky, Efim; **Didenkulova, Irina**; Choi, Byung Ho Journal of coastal research 2013 / p. 266-271 : ill <https://doi.org/10.2112/SI65-046> Conference Proceedings at Scopus Article at Scopus

Tongan tulivuorenpurkaus muistutti uhasta - voivatko Tyynenmeren saarivaltiot tuhoutua luonnonmullistuksessa?

Saarikoski, Jyrki yle.fi 2022 / fot [Tongan tulivuorenpurkaus muistutti uhasta – voivatko Tyynenmeren saarivaltiot tuhoutua luonnonmullistuksessa?](#)

Tsunami evolution and run-up in a large scale experimental facility

Sriram, Venkatachalam; **Didenkulova, Irina**; Sergeeva, Anna; Schimmels, Stefan Coastal engineering 2016 / p. 1-12 : ill
<https://doi.org/10.1016/j.coastaleng.2015.11.006> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami generation in a large scale experimental facility

Schimmels, Stefan; Sriram, Venkatachalam; **Didenkulova, Irina** Coastal engineering 2016 / p. 32-41 : ill
<https://doi.org/10.1016/j.coastaleng.2015.12.005> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami runup in narrow bays : the case of Samoa 2009 tsunami

Didenkulova, Irina Natural hazards 2013 / p. 1629-1636 : ill <https://doi.org/10.1007/s11069-012-0435-7> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami run-up on a plane beach in a tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2020 / p. 1583-1593 : ill <https://doi.org/10.1007/s00024-019-02332-y> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami wave run-up on a vertical wall in tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2018 / p. 1387-1391 <https://doi.org/10.1007/s00024-017-1744-2> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tōhoku maavärin ja tsunami

Soomere, Tarmo Horisont 2011 / 3, lk. 28-30 : ill https://artiklid.elnet.ee/record=b2411672*est

Накат волны цунами на вертикальную стенку в присутствии прилива

Didenkulova, Irina; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 911-915