

Application of equivalent single layer approach for ultimate strength analyses of ship hull girder

Putranto, Teguh; Kõrgesaar, Mihkel; Tabri, Kristjan Journal of marine science and engineering 2022 / art. 1530

<https://doi.org/10.3390/jmse10101530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of shore sediments accumulated in navigation channel for restoration of sandy beaches around Pärnu City, SW Estonia, Baltic Sea

Tõnisson, Hannes; **Männikus, Rain**; Kont, Are; Palginõmm, Valdeko; **Alari, Victor**; Suuroja, Sten; Vaasma, Tiit; Vilumaa, Kadri

Journal of marine science and engineering 2024 / art. 394 <https://doi.org/10.3390/jmse12030394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea)

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Frontiers in marine science 2019 / art. 54, 16 p. : ill

<https://doi.org/10.3389/fmars.2019.00054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automated fault diagnosis for an autonomous underwater vehicle

Dearden, Richard; **Ernits, Juhan-Peep** IEEE journal of oceanic engineering 2013 / p. 484-499 : ill

<https://doi.org/10.1109/JOE.2012.2227540> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bacterial communities associated with healthy and diseased (skeletal growth anomaly) reef coral *Acropora cytherea* from Palk Bay, India

Rajasabapathy, Raju; **Ramasamy, Kesava Priyan**; Manikandan, Balakrishnan; Mohandass, Chellandi; James, Rathinam Arthur

Frontiers in marine science 2020 / art. 92, 8 p. : ill <https://doi.org/10.3389/fmars.2020.00092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Blockchain implementation barriers in maritime: a case study based on ISM and MICMAC techniques

Bauk, Sanja; Ntshangase, Lindani Handsome Journal of maritime research 2023 / p. 72-80

<https://www.jmr.unican.es/index.php/jmr/article/view/736/766> [Journal metrics at Scopus](#) [Article at Scopus](#)

CFD analyses on the water entry process of a freefall lifeboat

Huang, Luofeng; Tavakoli, Sasan; Li, Minghao; Dolatshah, Azam; Pena, Blanca; Ding, Boyin; **Dashtimanesh, Abbas** Ocean

engineering 2021 / art. 109115, 11 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characteristics and inter-annual changes in temperature, salinity and density distribution in the Gulf of Riga

Skudra, Maris; Lips, Urmas Oceanologia 2017 / p. 37-48 : ill <https://doi.org/10.1016/j.oceano.2016.07.001> [Journal metrics at Scopus](#)

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

Characteristics of cyclones causing extreme sea levels in the northern Baltic Sea

Post, Piia; **Kõuts, Tarmo** Oceanologia 2014 / p. 241-258 <https://doi.org/10.5697/oc.56-2.241> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

Combined strain rate, mesh size and calibration test influence on structural failure : Miniature ship grounding test

Calle, Miguel A. G.; Oshiro, Roberto E.; **Kõrgesaar, Mihkel** Ocean engineering 2019 / p. 215-226 : ill

<https://doi.org/10.1016/j.oceaneng.2019.01.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of experimental and CFD results for stepped planing hulls

Niazmand Bilandi, Rasul; Dashtimanesh, Abbas; Mancini, Simone; Vitiello, Luigi Ocean engineering 2023 / art. 114887

<https://doi.org/10.1016/j.oceaneng.2023.114887> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparing a 41-year model hindcast with decades of wave measurements from the Baltic Sea

Björkqvist, Jan-Victor; Lukas, Ingvar; **Alari, Victor; Männik, Aarne** Ocean engineering 2018 / p. 57-71 : ill

<https://doi.org/10.1016/j.oceaneng.2018.01.048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparing rock shape models in grounding damage modelling

Sormunen, Otto-Ville Edvard; Kõrgesaar, Mihkel; **Tabri, Kristjan; Heinvee, Martin; Urbel, Annika**; Kujala, Pentti Marine structures

2016 / p. 205-223 : ill <https://doi.org/10.1016/j.marstruc.2016.07.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

A comprehensive approach to scenario-based risk management for Arctic waters

Bergström, Martin; Browne, Thomas; Ehlers, Sören; Helle, Inari; Hermring, Hauke; Khan, Faisal; Kubiczek, Jan; Kujala, Pentti;

Kõrgesaar, Mihkel; Leira, Bernt Johan; Parviainen, Tuuli; Polojärvi, Arttu; Suominen, Mikko; Taylor, Rocky; Tuhkuri, Jukka;

Vanhatalo, Jarno; Veitch, Brian Ship Technology Research 2022 / p. 129-157 <https://doi.org/10.1080/09377255.2022.2049967> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comprehensive stepped planing hull systematic series : part 1 - resistance test

Vitiello, Luigi; Mancini, Simone; **Niazmand Bilandi, Rasul**; Dashtimanesh, Abbas; De Luca, Fabio; Nappo, Vincenzo Ocean

engineering 2022 / art. 112242 <https://doi.org/10.1016/j.oceaneng.2022.112242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Continuing long-term expansion of low-oxygen conditions in the Eastern Gulf of Finland

Stoicescu, Stella-Theresa; Hoikkala, Laura; Fleming, Vivi; **Lips, Urmas** Oceanologia 2024 / p. 139-152 : ill., map
<https://doi.org/10.1016/j.oceano.2024.02.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum: Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) [Front. Mar. Sci., 6, (2019), (54)] doi: 10.3389/fmars.2019.00054

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Frontiers in Marine Science 2019 / Art. 233
<https://doi.org/10.3389/fmars.2019.00233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A cross disciplinary framework for cost-benefit optimization of marine litter cleanup at regional scale

Christensen, Asbjørn; Tsiaras, Kostas; Murawski, Jens; Hatzonikolakis, Yannis; She, Jun; John, Michael St; **Lips, Urmas; Brouwer, Roy** Frontiers in marine science 2021 / art. 744208, 18 p. : ill <https://doi.org/10.3389/fmars.2021.744208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cross-shore profile evolution after an extreme erosion event—Palanga, Lithuania

Kelpšaitė-Rimkienė, Loreta; **Parnell, Kevin Ellis;** Žaromskis, Rimas; Kondrat, Vitalijus Journal of marine science and engineering 2021 / art. 38, p. 1–15 : ill <https://doi.org/10.3390/jmse9010038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of a flexible, extendable, and low-cost control unit for surface drifters

Giudici, Andrea; Torsvik, Tomas; Soomere, Tarmo Journal of atmospheric and oceanic technology 2017 / p. 669-677 : ill <https://doi.org/10.1175/JTECH-D-16-0116.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Differential pressure sensor speedometer for autonomous underwater vehicle velocity estimation

Meurer, Christian; Francisco Fuentes-Perez, Juan; Palomeras, Narcis; **Carreras, Marc; Kruusmaa, Maarja** IEEE Journal of Oceanic Engineering 2020 / p. 946 - 978 <https://doi.org/10.1109/JOE.2019.2907822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Differential pressure sensors for underwater speedometry in variable velocity and acceleration conditions

Fuentes-Perez, Juan Francisco; Meurer, Christian; Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja IEEE Journal of Oceanic Engineering 2018 / p. 418-426 : ill <https://doi.org/10.1109/JOE.2017.2767786> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Niazmand Bilandi, Rasul; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of tunneled planing hulls in waves

Roshan, Fatemeh; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Journal of marine science and engineering 2022 / art. 1038 : ill <https://doi.org/10.3390/jmse10081038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of Eulerian current, Stokes drift and wind while simulating surface drifter trajectories in the Baltic Sea

Pärn, Ove; Davulienė, Lina; Macias, Diego Moy; **Vahter, Kaimo;** Stips, Adolf; Torsvik, Tomas Oceanologia 2023 / p. 453-465
<https://doi.org/10.1016/j.oceano.2023.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of nutrient management scenarios on marine eutrophication indicators : a Pan-European, Multi-Model Assessment in Support of the Marine Strategy Framework Directive

Friedland, Rene; Macias, Diego; Cossarini, Gianpero; Daewel, Ute; Estournel, Claude; Garcia-Gorriz, Elisa; Grizzetti, Bruna; Gregoire, Marilaure; Gustafsson, Bo; **Maljutenko, Ilja;** Pärn, Ove; Pätsch, Johannes; **Raudsepp, Urmas** Frontiers in marine science 2021 / 22 p. : map <https://doi.org/10.3389/fmars.2021.596126> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of vertical motions on roll of planing hulls

Dashtimanesh, Abbas; Tavakoli, Sasan; Mancini, Simone; Mehr, Javad A.; Milanese, Stefano Journal of offshore mechanics and arctic engineering 2021 / p. 041401–041411 <https://doi.org/10.1115/1.4050210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emerging challenges for numerical simulations of quasi-static collision experiments on laser-welded thin-walled steel structures

Romanoff, Jani; **Körgesaar, Mihkel;** Remes, Heikki Journal of marine science and application 2020 / p. 567-583 : ill <https://doi.org/10.1007/s11804-020-00174-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ensuring Cybersecurity in Shipping: Reference to Estonian Shipowners

Heering, Dan TransNav : the international journal on marine navigation and safety of sea transportation 2020 / p. 271–278

<https://doi.org/10.12716/1001.14.02.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Environmental impact of water exchange blocking in a strait – a multidisciplinary study in the Baltic Sea

Liblik, Taavi; Buschmann, Fred; Siht, Ergo; Kuprijanov, Ivan; Väli, Germa; Lipp, Maarja; Erm, Ants; Laanemets, Jaan;

Eschbaum, Redik; Verliin, Aare; Saks, Lauri; Zekker, Ivar Oceanologia 2024 / p. 9-25 : ill <https://doi.org/10.1016/j.oceano.2023.06.002>

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

Evaluation of the nemo-nordic model by comparing the seaice concentration values in the Baltic Sea

Rjazin, Jevgeni; Hordoir, Robinson; Pärn, Ove The Journal of Ocean Technology 2019 / p. 181 - 194

https://www.researchgate.net/publication/334431905_EVALUATION_OF_THE_NEMO-NORDIC_MODEL_BY_COMPARING_THE_SEA-ICE_CONCENTRATION_VALUES_IN_THE_BALTIC_SEA [Journal metrics at Scopus](#) [Article at Scopus](#)

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 hydrodynamic forces acting on artificial fish in a von Kármán vortex street

Toming, Gert; Chambers, Lily D.; **Kruusmaa, Maarja** Underwater technology 2014 / p. 81-91 : ill <https://doi.org/10.3723/ut.32.081>

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

Exploring historical maritime cyber-attacks and introducing maritime security operations center as a solution to mitigate them

Nasr, Ahmed Nagi Abdelaziz Mohamed; Leiger, Roomet; Zaitseva-Pärnaste, Inga; Kujala, Pentti Jouko Sakari Theory and practice of shipbuilding : Proceedings of the 26th Symposium (SORTA 2024), Zadar, Croatia, 2-5 October 2024 2024 / p. 235-245

<https://doi.org/10.3233/PMST240042> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Fault-tolerant control allocation for a bio-inspired underactuated AUV in the presence of actuator failures : design and experiments

Remmas, Mohamed Walid; Chemori, Ahmed; **Kruusmaa, Maarja** Ocean engineering 2023 / art. 115327, 10 p. : ill

<https://doi.org/10.1016/j.oceaneng.2023.115327> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Finite element based meta-modeling of ship-ice interaction at shoulder and midship areas for ship performance simulation

Li, Fang; Kõrgesaar, Mihkel; Kujala, Pentti; Goerlandt, Floris Marine structures 2020 / art. 102736

<https://doi.org/10.1016/j.marstruc.2020.102736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Free fall water entry of a two-dimensional asymmetric wedge in oblique slamming : a numerical study

Hosseinzadeh, Saeed; Izadi, Mohammad; **Tabri, Kristjan** ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering : Vol. 8: CFD and FSI, August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-18645, V008T08A013 ; 8 pages <https://doi.org/10.1115/OMAE2020-18645> [Conference proceedings at Scopus](#) [Article at Scopus](#)

From green to brown: two decades of darkening coastal water in the Gulf of Riga, the Baltic Sea

Aigars, Juris; Suhareva, Natalija; Cepite-Frisfelde, Daiga; Kokorite, Ilga; **lital, Arvo;** Skudra, Maris; Viska, Maija Frontiers in marine science 2024 / art. 1369537 <https://doi.org/10.3389/fmars.2024.1369537> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geochemical evolution of caledonian volcanism recorded in the sedimentary rocks of the Eastern Baltic region

Kiipli, Tarmo; Soesoo, Alvar; Kallaste, Toivo Geological Society, London, Special Publications 2014 / p. 177-192

<https://doi.org/10.1144/SP390.5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hazardous waste landfill leachate treatment by combined chemical and biological techniques

Kattel, Eneliis; Kivi, Arthur; Klein, Kati; Tenno, Taavo; **Dulova, Niina; Trapido, Marina** Desalination and water treatment 2016 / p. 13236-13245 : ill <https://doi.org/10.1080/19443994.2015.1057539> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Heavy metals removal in biological wastewater treatment dependent on process parameters

Lember, Erki; Pachel, Karin; Loigu, Enn Desalination and water treatment 2018 / p. 245-251 : ill

<https://doi.org/10.5004/dwt.2018.22460> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High-resolution characterization of the development and decay of seasonal hypoxia in the Gulf of Riga, Baltic Sea

Liblik, Taavi; Stoicescu, Stella-Theresa; Buschmann, Fred; Lilover, Madis-Jaak; Lips, Urmas Frontiers in marine science

2023 / art. 1119515 <https://doi.org/10.3389/fmars.2023.1119515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How to improve full-scale self-propulsion simulations? A case study on a semi-displacement hull

Niazmand Bilandi, Rasul; Mancini, Simone; Dashtimanesh, Abbas; **Lakatoš, Mikloš** HSMV 2023 : Proceedings of the 13th Symposium on High Speed Marine Vehicles 2023 / p. 265-274 <https://doi.org/10.3233/PMST230034> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Hull-propeller interaction for planing boats: a numerical study

Roshan, Fatemeh; **Dashtimanesh, Abbas;** Tavakoli, Sasan; **Niazmand Bilandi, Rasul;** Abyn, Hassan Ships and offshore structures 2020 / 14 p. : ill <https://doi.org/10.1080/17445302.2020.1790295> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A hybrid numerical model based on FNPT-NS for the estimation of long wave run-up

Manoj Kumar, G.; Sriram, Venkatachalam; **Didenkulova, Irina** Ocean engineering 2020 / art. 107181 <https://doi.org/10.1016/j.oceaneng.2020.107181> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydraulic modelling of oil spill through submerged orifices in damaged ship hulls

Kollo, Monika; Laanearu, Janek; **Tabri, Kristjan** Ocean engineering 2017 / p. 385-397 : ill <https://doi.org/10.1016/j.oceaneng.2016.11.032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic characteristics of tunneled planing hulls in calm water

Roshan, Fatemeh; **Dashtimanesh, Abbas;** **Niazmand Bilandi, Rasul** Brodogradnja : Teorija i praksa brodogradnje i pomorske tehnike 2020 / p. 19-38 : ill <https://hrcak.srce.hr/232081> <https://doi.org/10.21278/brod71102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic study of heeled double-stepped planing hulls using CFD and 2D+T method

Niazmand Bilandi, Rasul; **Dashtimanesh, Abbas;** Tavakoli, Sasan Ocean engineering 2020 / art. 106813 ; 21 p. : ill <https://doi.org/10.1016/j.oceaneng.2019.106813> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydroelastic effects of slamming impact loads during free-fall water entry

Hosseinzadeh, Saeed; **Tabri, Kristjan** Ships and offshore structures 2021 / p. 68-84 : ill <https://doi.org/10.1080/17445302.2021.1954320> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of ship-borne nitrogen deposition on the Gulf of Finland ecosystem : an evaluation

Raudsepp, Urmas; Laanemets, Jaan; **Maljutenko, Ilja;** Hongisto, Marke; Jalkanen, Jukka-Pekka Oceanologia 2013 / p. 837 - 857 <https://doi.org/10.5697/oc.55-4.837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of surface currents and sea level on the wave field evolution during St. Jude storm in the eastern Baltic Sea

Viitak, Marii; **Maljutenko, Ilja;** **Alari, Victor;** Suursaar, Ülo; **Rikka, Sander;** **Lagemaa, Priidik** Oceanologia 2016 / p. 176-186 : ill <https://doi.org/10.1016/j.oceano.2016.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of thermohaline conditions on vertical variability of optical properties in the Gulf of Finland (Baltic Sea) : implications for water quality remote sensing

Aavaste, Age; **Sipelgas, Liis;** **Uiboupin, Rivo;** Uudeberg, Kristi Frontiers in marine science 2021 / art. 674065 <https://doi.org/10.3389/fmars.2021.674065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ coastal observations of wave homogeneity and coherence

Christakos, Konstantinos; Gao, Zhen; Furevik, Birgitte R.; **Björkqvist, Jan-Victor;** Aarnes, Ole Johan Applied ocean research 2022 / art. 103390 <https://doi.org/10.1016/j.apor.2022.103390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of bathymetry on regional marine geoid modeling in Northern Europe

Varbla, Sander Journal of Marine Science and Engineering 2022 / art. 793, 25 p. : ill <https://doi.org/10.3390/jmse10060793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An integrated approach to coastal and biological observations

She, Jun; Piniella, Ángel Muñoz; Benedetti-Cecchi, Lisandro; Boehme, Lars; Boero, Ferdinando; Christensen, Asbjorn; Crowe, Tasman; Darecki, Mirosław; Nogueira, Enrique; Gremare, Antoine; Hernandez, Francisco; **Kõuts, Tarmo** Frontiers in Marine Science 2019 / Art. nr. 314 <https://doi.org/10.3389/fmars.2019.00314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interaction of ice force in ship-ship collision

Nelis, Sander; **Tabri, Kristjan;** Kujala, Pentti ASME 2015 34th International Conference on Ocean, Offshore and Arctic Engineering : St. John's, Newfoundland, Canada, May 31–June 5, 2015 2015 / 8 p <https://doi.org/10.1115/OMAE2015-41351> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

International marine tourism : trends and prospects for sustainable development

Troian, Maria; Prokopenko, Olha; **Järvis, Marina;** Saichuk, Viktor; Komarnitskiy, Igor; Glybovets, Victoria Pomorstvo :

multidisciplinarni znanstveni časopis = multidisciplinary scientific journal of maritime research 2023 / p. 23-31
<https://doi.org/10.31217/p.37.1.3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse-model intelligent control of fin-actuated underwater robots based on drag force propulsion

Remmas, Mohamed Walid; Chemori, Ahmed; **Kruusmaa, Maarja** Ocean Engineering 2021 / art. 109883, 19 p. : ill
<https://doi.org/10.1016/j.oceaneng.2021.109883> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigating the influence of sub-mesoscale current structures on Baltic Sea connectivity through a Lagrangian analysis

Hariri, Saeed; Meier, H. E. Markus; Väli, Germa Frontiers in marine science 2024 / 18 p <https://doi.org/10.3389/fmars.2024.1340291>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investment analysis of waste heat recovery system installations on ships' engines

Olaniyi, Eunice Omolola; **Prause, Gunnar Klaus** Journal of marine science and engineering 2020 / art. 811, 21 p. : ill
<https://doi.org/10.3390/jmse8100811> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

LainePoiss® - a lightweight and ice-resistant wave buoy

Alari, Victor; **Björkqvist, Jan-Victor**; Kaldvee, Valdur; Mölder, Kristjan; **Rikka, Sander**; **Kask-Korb, Anne**; **Vahter, Kaimo**; **Pärt, Siim**; **Vidjajev, Nikon**; Tõnisson, Hannes Journal of atmospheric and oceanic technology 2022 / p. 573–594 : ill
<https://doi.org/10.1175/JTECH-D-21-0091.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping microplastic pathways and accumulation zones in the Gulf of Finland, Baltic Sea – insights from modeling

Mishra, Arun; **Siht, Enriko**; Väli, Germa; **Liblik, Taavi**; **Buhhalko, Natalja**; **Lips, Urmas** Frontiers in marine science 2025 / art. 1524585, 17 p. : ill., map <https://doi.org/10.3389/fmars.2024.1524585> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MARSTRUCT benchmark study on nonlinear FE simulation of an experiment of an indenter impact with a ship side-shell structure

Ringsberg, Jonas W.; Amdahl, Jörgen; Chen, Bai Qiao; Cho, Sang-Rai; **Körgeaar, Mihkel**; **Tabri, Kristjan** Marine structures 2018 / p. 142-157 <https://doi.org/10.1016/j.marstruc.2018.01.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A method to improve instationary force error estimates for undulatory swimmers

Tuhtan, Jeffrey Andrew; **Toming, Gert**; **Ruuben, Toomas**; **Kruusmaa, Maarja** Underwater technology 2016 / p. 141-151 : ill
<https://doi.org/10.3723/ut.33.141> [Journal metrics at Scopus](#) [Article at Scopus](#)

Motion control of a hovering biomimetic four-fin underwater robot

Salumäe, Taavi; Chemori, Ahmed; **Kruusmaa, Maarja** IEEE Journal of Oceanic Engineering 2019 / p. 54 - 71
<https://doi.org/10.1109/JOE.2017.2774318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear dynamics in PEH for enhanced power output and vibration suppression in metastructures

Alimohammadi, Hossein; **Vassiljeva, Kristina**; HosseinNia, S. Hassan; **Petlenkov, Eduard** Nonlinear Dynamics 2024 / p. 12941 - 12963 <https://doi.org/10.1007/s11071-024-09739-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical analysis of shipping water impacting a step structure

Khojasteh, Danial; Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean Engineering 2020 / art. 107517, 10 p. : ill
<https://doi.org/10.1016/j.oceaneng.2020.107517> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical assessment of novel ice breaking technology

Tabri, Kristjan; **Saar, Kalju**; Aanensen, Marie; Andersen, Steinar Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2023 ; vol. 6 2023 / art. V006T07A027 ; 9 p. : ill <https://doi.org/10.1115/OMAE2023-104670>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical investigation of hydroelastic response of a three-dimensional deformable hydrofoil

Hosseinzadeh, Saeed; **Tabri, Kristjan** HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 77-86 <https://doi.org/10.3233/PMST200029> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical investigation of single and double steps in planing hulls

Sulman, Muhammad; Mancini, Simone; **Niazmand Bilandi, Rasul** Journal of marine science and engineering 2024 / art. 614
<https://doi.org/10.3390/jmse12040614> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical investigation on the buckling response of stiffened panel subjected to biaxial compression with non-linear equivalent single layer approach

Putranto, Teguh; **Körgeaar, Mihkel** 31st International Ocean and Polar Engineering Conference, ISOPE 2021 Virtual, Online 20 June 2021 through 25 June 2021 : proceedings of the International Offshore and Polar Engineering Conference 2021 / p. 2893–2900
https://publications.isopec.org/proceedings/ISOPE/ISOPE%202021/data/pdfs_Vol4/4206-21TPC-0462.pdf [Conference Proceedings at Scopus](#)

Numerical modelling of a planing craft with a V-Shaped spray interceptor arrangement in calm water

Lakatoš, Mikloš; Tabri, Kristjan; Dashtimanesh, Abbas; Andreasson, Henrik HSMV 2020 : Proceedings of the 12th Symposium on High Speed Marine Vehicles 2020 / p. 33-42 <https://doi.org/10.3233/PMST200024> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical simulations of wave climate in the Baltic Sea: a review

Soomere, Tarmo Oceanologia 2023 / p. 117-140 <https://doi.org/10.1016/j.oceano.2022.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical study on a heeled one-stepped boat moving forward in planing regime

Dashtimanesh, Abbas; Tavakoli, Sasan; Kohansal, Ahmadreza; Khosravani, Reza; Ghassemzadeh, Abbas Applied ocean research 2020 / art. 102057, 18 p <https://doi.org/10.1016/j.apor.2020.102057> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil spill detection using fluorometric sensors : laboratory validation and implementation to a ferryBox and a moored SmartBuoy

Pärt, Siim; Kankaanpää, Harri; **Björkqvist, Jan-Victor; Uiboupin, Rivo** Frontiers in marine science 2021 / art. 778136 : ill <https://doi.org/10.3389/fmars.2021.778136> <https://www.frontiersin.org/articles/10.3389/fmars.2021.778136/full> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the buoyant sub-surface salinity maxima in the Gulf of Riga

Liblik, Taavi; Skudra, Maris; Lips, Urmas Oceanologia 2017 / p. 113-128 : ill <https://doi.org/10.1016/j.oceano.2016.10.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of modelling a weld effect when optimizing thin-walled structures for crashworthiness

Berntsson, K.; **Körgesaar, Mihkel;** Goncalves, B.; Romanoff, Jani The 29th International Ocean and Polar Engineering Conference : 16-21 June 2019, Honolulu, Hawaii, USA 2019 / ISOPE-I-19-316, 8 p [On the influence of modelling...](#) [Conference proceedings at Scopus](#) [Article at Scopus](#)

An optimized metamodel for predicting damage and oil outflow in tanker collision accidents

Das, Tanmoy; Goerlandt, Floris; **Tabri, Kristjan** Proceedings of the institution of mechanical engineers, part M: journal of engineering for the maritime environment 2022 / 14 p. : ill <https://doi.org/10.1177/14750902211039659> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ordovician of the Eastern Baltic palaeobasin and the Tornquist Sea margin of Baltica

Meidla, Tõnu; Ainsaar, Leo; **Hints, Olle;** Radzevičius, Sigita Geological Society, London, Special Publications 2023 / p. 317-343 : ill <https://doi.org/10.1144/SP532-2022-141> [Journal metrics at Scopus](#) [Article at Scopus](#)

Pattern formation of elastic waves and energy localization due to elastic gratings

Berezovski, Arkadi; Engelbrecht, Jüri; Berezovski, Mihail International journal of mechanical sciences 2015 / p. 137-144 : ill <https://doi.org/10.1016/j.ijmecsci.2015.07.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance prediction of a Hard-Chine Planing Hull by employing different CFD models

Hosseini, Azim; Tavakoli, Sasan; **Dashtimanesh, Abbas;** Sahoo, Prasanta K.; **Körgesaar, Mihkel** Journal of marine science and engineering 2021 / art. 481, 26 p. : ill <https://doi.org/10.3390/jmse9050481> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Potential for an underwater glider component as part of the Global Ocean Observing System

Liblik, Taavi; Karstensen, Johannes; Testor, P. Methods in oceanography 2016 / p. 50-82 : ill <https://doi.org/10.1016/j.mio.2016.05.001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Propagation of impact of the recent major Baltic inflows from the Eastern Gotland Basin to the Gulf of Finland [Online resource]

Liblik, Taavi; Naumann, Michael; **Lips, Urmas; Laanemets, Jaan** Frontiers in marine science 2018 / art. 222, 23 p. : ill <https://doi.org/10.3389/fmars.2018.00222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Quasi-dynamic approach for the evaluation of structural response in ship collisions and groundings

Kim, Sang-Jin; **Körgesaar, Mihkel;** Taimuri, Ghalib; Kujala, Pentti; Hirdaris, Spyros Proceedings of the Thirtieth (2020) International Ocean and Polar Engineering Conference Shanghai, China, October 11-16, 2020 2020 / p. 3174-3180 ["Quasi-dynamic approach"](#) [Conference proceeding at Scopus](#) [Article at Scopus](#)

A regime shift toward a more anoxic environment in a Eutrophic sea in Northern Europe

Almroth-Rosell, Elin; Wåhlström, Irene; **Väli, Germo** Frontiers in marine science 2021 / art. 799936 <https://doi.org/10.3389/fmars.2021.799936> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Retrieval of directional power spectral density and wave parameters from airborne LiDAR point cloud

Jahanmard, Vahidreza; Varbla, Sander; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Ocean engineering 2022 / art. 112694 <https://doi.org/10.1016/j.oceaneng.2022.112694> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Safety improvements for high-speed planing craft occupants : A systematic review

Roshan, Fatemeh; Dashtimanesh, Abbas; Kujala, Pentti Jouko Sakari Journal of marine science and engineering 2024 / art. 845 <https://doi.org/10.3390/jmse12050845> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scenario-Based Risk Management for Arctic Waters

Bergström, Martin; Browne, Thomas; Ehlers, Sören; Helle, Inari; Herrning, Hauke; Khan, Faisal; Kubiczek, Jan; Kujala, Pentti; **Körgeaar, Mihkel**; Leira, Bernt Johan; Parviainen, Tuuli; Polojärvi, Arttu; Suominen, Mikko; Taylor, Rocky; Tuhuri, Jukka; Vanhatalo, Jarno; Veitch, Brian Proceedings of the ASME 2022 41st International Conference on Ocean, Offshore and Arctic Engineering. Volume 6: Polar and Arctic Sciences and Technology 2022 / p. V006T07A004-01-V006T07A004-13 <https://doi.org/10.1115/OMAE2022-80767> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Seakeeping of double-stepped planing hulls

Niazmand Bilandi, Rasul; Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean engineering 2021 / art. 109475, 23 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Selective laser melted Ti6Al4V split-P TPMS lattices for bone tissue engineering

Rezapourianghahfarokhi, Mansoureh; Jasiuk, Iwona; **Sarna, Mart**; **Hussainova, Irina** International journal of mechanical sciences 2023 / art. 108353 <https://doi.org/10.1016/j.ijmecsci.2023.108353> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ship acceleration motion under the action of a propulsion system: a combined empirical method for simulation and optimisation

Tavakoli, Sasan; Najafi, Saeed; Amini, Ebrahim; **Dashtimanesh, Abbas** Journal of marine engineering & technology 2021 / p. 200-215 : ill <https://doi.org/10.1080/20464177.2020.1827490> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ship collision simulations using different fracture criteria and mesh size

Körgeaar, Mihkel; **Tabri, Kristjan**; **Naar, Hendrik**; Reinhold, Edwin Proceedings of the ASME 2014 33rd International Conference on Ocean, Offshore and Arctic Engineering : OMAE2014 : June 8-13, 2014, San Francisco, California, USA 2014 / p. 1-9 : ill <https://doi.org/10.1115/OMAE2014-23576> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ship wake deformation in the surf zone analyzed by use of a time-frequency method

Torsvik, Tomas; **Didenkulova, Ira** The Proceedings of The Twenty-fifth (2015) International Ocean and Polar Engineering Conference, ISOPE 2015, Kona, Big Island, Hawaii, USA, June 21-26, 2015 2015 / p. 394-399 : ill https://www.researchgate.net/publication/283535633_Ship_wake_deformation_in_the_surf_zone_analyzed_by_use_of_a_time-frequency_method [Conference proceedings at Scopus](#) [Article at Scopus](#)

Shipping decarbonization : an overview of the different stern hydrodynamic energy saving devices

Spinelli, Flaminia; Mancini, Simone; Vitiello, Luigi; **Niazmand Bilandi, Rasul**; De Carlini, Maria Journal of marine science and engineering 2022 / art. 574 <https://doi.org/10.3390/jmse10050574> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Shipping related activities and their environmental impact – lessons learnt from the Estonian case study

Tombak, Mari-Liis; **Tapaninen, Ulla Piri**; Palu, Riina TransNav : the international journal on marine navigation and safety of sea transportation 2023 / p. 973-980 <https://doi.org/10.12716/1001.17.04.24> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A simplified method to predict grounding damage of double bottom tankers

Heinvee, Martin; **Tabri, Kristjan** Marine structures 2015 / p. 22-43 : ill <https://doi.org/10.1016/j.marstruc.2015.04.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of the behavior of a ship hull under grounding : effect of applied element size on structural crashworthiness

Prabowo, Aditya Rio; **Putranto, Teguh**; Sohn, Jung Min Journal of Marine Science and Engineering 2019 / Art. 270 <https://doi.org/10.3390/jmse7080270> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A six-DOF theoretical model for steady turning maneuver of a planing hull

Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean engineering 2019 / art. 106328, 17 p. : ill <https://doi.org/10.1016/j.oceaneng.2019.106328> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Slamming loads and responses on a non-prismatic stiffened aluminium wedge : Part II. Numerical simulations

Hosseinzadeh, Saeed; **Tabri, Kristjan**; Topa, Ameen; Hirdaris, Spyros Ocean engineering 2023 / art. 114309, 20 p. : ill

<https://doi.org/10.1016/j.oceaneng.2023.114309> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Slamming loads and responses on a non-prismatic stiffened aluminium wedge: Part I. Experimental study

Hosseinzadeh, Saeed; **Tabri, Kristjan**; Hirdaris, Spyros; Sahk, Tarmo Ocean engineering 2023 / art. 114510, 19 p. : ill

<https://doi.org/10.1016/j.oceaneng.2023.114510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Small unmanned surface vessels — a review and critical analysis of relations to safety and safety assurance of larger autonomous ships

Bolbot, Victor; Sandru, Andrei; Saarniemi, Ture; Puolakka, Otto; **Kujala, Pentti Jouko Sakari**; Valdez Banda, Osiris A. Journal of marine science and engineering 2023 / art. 2387, 38 p. : ill

<https://doi.org/10.3390/jmse11122387> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Smart cargo container tracking and IT security management : Experimental results

Bauk, Sanja; Dzankic, Radoje Journal of maritime research 2024 / p. 128-134

<https://www.jmr.unican.es/index.php/jmr/article/view/851/855> [Journal metrics at Scopus](#) [Article at Scopus](#)

Spatiotemporal variability of microplastics in the Eastern Baltic Sea

Mishra, Arun; Buhhalko, Natalja; Lind, Kati; Lips, Inga; Liblik, Taavi; Väli, Germa; **Lips, Urmas** Frontiers in marine science 2022 / art. 875984

<https://doi.org/10.3389/fmars.2022.875984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

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](#)

Stepped hulls early stage design by implementing 2D+T method

Niazmand Bilandi, Rasul; Dashtimanesh, Abbas; Tavakoli, Sasan HSMV 2023 : Proceedings of the 13th Symposium on High

Speed Marine Vehicles 2023 / p. 23-32 <https://doi.org/10.3233/PMST230005> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Striped texture of submesoscale fields in the northeastern Baltic Proper : results of very high-resolution modelling for summer season

Zhubas, Victor; **Väli, Germa**; Kuzmina, Natalia Oceanologia 2022 / p. 1-21 : ill

<https://doi.org/10.1016/j.oceano.2021.08.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Submesoscale processes in the surface layer of the central Baltic Sea: A high-resolution modelling study

Väli, Germa; Meier, H.E. Markus; **Liblik, Taavi**; Radtke, Hagen; Klingbeil, Knut; Gräwe, Ulf; **Lips, Urmas** Oceanologia 2024 / p. 78-

90 <https://doi.org/10.1016/j.oceano.2023.11.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Submesoscale variability in a mesoscale front captured by a glider mission in the Gulf of Finland, Baltic Sea

Salm, Kai; **Liblik, Taavi**; **Lips, Urmas** Frontiers in marine science 2023 / art. 984246, 18 p. : ill

<https://doi.org/10.3389/fmars.2023.984246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sulfate-reducing anammox for sulfate and nitrogen containing wastewaters

Rikmann, Ergo; Zekker, Ivar; Tomingas, Martin; Tenno, Toomas; **Loorits, Liis**; Vabamäe, Priit; Mandel, Anni; Raudkivi, Markus;

Daija, Laura; Kroon, Kristel; Tenno, Taavo Desalination and Water Treatment 2016 / p. 3132 - 3141

<https://doi.org/10.1080/19443994.2014.984339> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface vessel localization from wake measurements using an array of pressure sensors in the littoral zone

Rätsep, Margus; Parnell, Kevin Ellis; **Soomere, Tarmo**; Kruusmaa, Maarja; Ristolainen, Asko; Tuhtan, Jeffrey Andrew

Ocean engineering 2021 / art. 109156 <https://doi.org/10.1016/j.oceaneng.2021.109156> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

A synthesis of marine monitoring methods with the potential to enhance the status assessment of the Baltic Sea

Mack, Leon; Attila, Jenni; Aylagas, Eva; Beermann, Arne; Borja, Angel; Hering, Daniel; Kahlert, Maria; Leese, Florian; **Lips, Urmas**

Frontiers in marine science 2020 / 16 p <https://doi.org/10.3389/fmars.2020.552047> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)

[Article at WOS](#)

Systematic literature review of threat modeling and risk assessment in ship cybersecurity

Erbas, Muhammed; Khalil, Shaymaa Mamdouh; Tsiopoulos, Leonidas Ocean engineering 2024 / art. 118059

<https://doi.org/10.1016/j.oceaneng.2024.118059> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of low stress triaxialities and deformation paths on ductile fracture simulations of large shell structures

Körgeaar, Mihkel Marine structures 2019 / p. 45-64 : ill

<https://doi.org/10.1016/j.marstruc.2018.08.004> [Journal metrics at Scopus](#)

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

The effect of spray rails, chine strips and V-shaped spray interceptors on the performance of low planing high-speed craft in calm water

Lakatoš, Mikloš; Sahk, Tarmo; Andreasson, Henrik; **Tabri, Kristjan** Applied Ocean Research 2022 / art. 103131

<https://doi.org/10.1016/j.apor.2022.103131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The importance of Mesodinium rubrum at post-spring bloom nutrient and phytoplankton dynamics in the vertically stratified Baltic Sea

Lips, Inga; Lips, Urmas Frontiers in marine science 2017 / art. 407, p. 1-16 : ill <https://doi.org/10.3389/fmars.2017.00407> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of fluid structure interaction modelling on the dynamic response of ships subject to collision and grounding

Kim, Sang Jin; **Körgesaar, Mihkel;** Ahmadi, Nima; Taimuri, Ghalib; Kujala, Pentti; Hirdaris, Spyros Marine structures 2021 / art.

102875, 17 p. : ill <https://doi.org/10.1016/j.marstruc.2020.102875> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The ISSC 2022 committee III.1-Ultimate strength benchmark study on the ultimate limit state analysis of a stiffened plate structure subjected to uniaxial compressive loads

Ringsberg, Jonas W.; Darie, Ionel; Nahshon, Ken; Shilling, Gillian; **Tabri, Kristjan** Marine structures 2021 / art. 103026, 25 p. : ill

<https://doi.org/10.1016/j.marstruc.2021.103026> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Nitrogen-Cycling Network of Bacterial Symbionts in the Sponge Spheciospongia vesparium

He, Liming; **Karlep, Liisi;** Li, Zhiyong The Journal of Ocean University of China 2021 / p. 999–1012 [https://doi.org/10.1007/s11802-021-](https://doi.org/10.1007/s11802-021-4530-9)

[4530-9](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Thermodynamic and economic analysis of reverse osmosis and multi-effect thermal vapor compression desalination systems : a comparative study

Liu, Ziyin; Zhang, Shijun; **Kilburn, Zofia J.** Desalination and Water Treatment 2021 / p. 36 - 52 <https://doi.org/10.5004/dwt.2021.26949>

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

Treatment of bending deformations in maritime crash analyses

Körgesaar, Mihkel; Storheim, Martin ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering,

August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-19272, V02AT02A017 ; 9 pages

<https://doi.org/10.1115/OMAE2020-19272> [Conference proceedings at Scopus](#) [Article at Scopus](#)

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](#)

U-CAT for underwater archaeology : turtle-inspired robot operates in tethered and autonomous modes

Kruusmaa, Maarja; Salumäe, Taavi Sea technology 2016 / p. 37-40 : ill <https://www.proquest.com/docview/1784047942?>

[sourcetype=Trade%20Journals](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ultimate strength assessment of stiffened panel under uni-axial compression with non-linear equivalent single layer approach

Putranto, Teguh; Körgesaar, Mihkel; Jelovica, Jasmin; **Tabri, Kristjan; Naar, Hendrik** Marine structures 2021 / art. 103004, 17 p.

: ill <https://doi.org/10.1016/j.marstruc.2021.103004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ultimate strength of ship hull girder with grounding damage

Tabri, Kristjan; Naar, Hendrik; Körgesaar, Mihkel Ships and offshore structures 2020 / p. S161-S175

<https://doi.org/10.1080/17445302.2020.1827631> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uncertainty and consistency assessment in multiple microplastic observation datasets in the Baltic Sea

She, Jun; **Buhhalko, Natalja; Lind, Kati; Mishra, Arun; Kikas, Villu;** Costa, Elisa; Gambardella, Chiara; Montarsolo, Alessio;

Faimali, Marco Frontiers in marine science 2022 / art. 886357 <https://doi.org/10.3389/fmars.2022.886357> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The underwater soundscape at Gulf of Riga marine-protected areas

Prawirasasra, Muhammad Saladin; Mustonen, Mirko; Klauson, Aleksander Journal of marine science and engineering 2021 /

17 p. : ill <https://doi.org/10.3390/jmse9080915> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Upwelling characteristics in the Gulf of Riga (Baltic Sea) : multiple data source approach

Skudra, Maris; **Väli, Germa**; Ikauniece, Anda; Papirtis, Miks Frontiers in marine science 2023 / art. 1244643
<https://doi.org/10.3389/fmars.2023.1244643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using machine learning methodology to model nutrient discharges from ports: a case study of a fertilizer terminal
Lappalainen, Suvi-Tuuli; **Kotta, Jonne**; Tombak, Mari-Liis; Tapaninen, Ulla Pirita Journal of marine science and engineering 2024 / 12 p., ill <https://doi.org/10.3390/jmse12010143> <https://www.mdpi.com/2077-1312/12/1/143> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using spectrograms from underwater total pressure sensors to detect passing vessels in a coastal environment
Rätsep, Margus; Parnell, Kevin Ellis; Soomere, Tarmo; Kruusmaa, Maarja; Ristolainen, Asko; Tuhtan, Jeffrey Andrew Journal of atmospheric and oceanic technology 2020 / p. 1353-1363 : ill <https://doi.org/10.1175/JTECH-D-19-0192.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability of currents over the southern slope of the Gulf of Finland
Suhhova, Irina; Pavelson, Juss; Lagemaa, Priidik Oceanologia 2015 / p. 132 - 143 <https://doi.org/10.1016/j.oceano.2015.01.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wind-controlled transport of saltwater in the Southeastern Baltic Sea : a model study
Zhurbas, Victor; **Väli, Germa** Frontiers in marine science 2022 / art. 835656 <https://doi.org/10.3389/fmars.2022.835656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)