

VIVIANI MICHELE

Overview

- ? Unit: NAV
- ? Role: Professore ordinario
- ? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 2
- ? SSD: IIND-01/A (Architettura navale)
- ? Scopus ID: 58090077400
- ? Unige Id: 056529
- ? Retrieved at: 2025-11-14T15:13:48.726668

Contact

- ? Email: michele.viviani@unige.it
- ? Phone: +39 010 33 52547
- ? Page: <https://rubrica.unige.it/personale/VUZBXlhg>
- ? Locations: Villa Cambiaso - padiglioni (ED161450103), piano Terra, US161450103.T.109

Career

- ? Ru, 2012-05-01 ? 2014-11-30
- ? Pa, 2014-12-01 ? 2020-10-31
- ? Po, 2020-11-01 ? 2222-02-02

Responsibilities

- ? Title: Componente del Senato Accademico
 - ? Unit: Universit^ Degli Studi Di Genova
 - ? Period: 2024-11-08 ? 2027-10-31
- ? Title: Direttore di Dipartimento
 - ? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
 - ? Period: 2024-11-01 ? 2027-10-31

- ? Title: Membro della Giunta di dipartimento
 - ? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
 - ? Period: 2024-11-01 ? 2027-10-31

- ? Title: Componente del Consiglio della Scuola
 - ? Unit: Scuola politecnica
 - ? Period: 2024-11-01 ? 2027-10-31

Teaching

2025

- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

2024

- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

2023

- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

2022

- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

2021

- ? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica
- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

2020

- ? Statica Della Nave (84415), L-9 - Ingegneria Navale
- ? Governo Della Nave (60389), Lm-34 - Ingegneria Navale

Scopus Metrics

- ? absolute; Docs: 127; Journals: 70; Conferences: 53; Citations: 2205; H-index: 28
- ? 15 years (2010-2025); Docs: 115; Journals: 68; Conferences: 44; Citations: 2048; H-index: 27
- ? 10 years (2015-2025); Docs: 83; Journals: 52; Conferences: 29; Citations: 1331; H-index: 22
- ? 05 years (2020-2025); Docs: 38; Journals: 26; Conferences: 11; Citations: 436; H-index: 13

Scopus Products

1.
 - ? Title: A 6-DOF submarine manoeuvrability prediction code - Part I: Development and validation
 - ? Venue: Ocean Engineering
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 0
 - ? DOI: 10.1016/j.oceaneng.2025.122718
 - ? Scopus ID: 2-s2.0-105018119374
 - ? Issn: 00298018
 - ? Volume: 342
 - ? Authors: Bert^ Lorenzo; Villa Diego; Viviani Michele; Mazzarello Giorgio; Carmone Francesco; Piaggio Benedetto
 - ? Keywords: Control and stability | Hydrodynamics | Manoeuvrability | Rudder | Stern planes | Submarines | Underwater vehicles
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 6, percentile 95)
 - ? Environmental Engineering (Q1, rank 38, percentile 83)
 - ? Source Id: 28339
 - ? Author Ids: 60102798400;56250522200;58090077400;57892552100;60130828100;57204360929
 - ? Authoraffiliationids: 60025153;60025153;60025153;60083109;60083109;60025153
 - ? Corresponding: Bert^ L.
2.
 - ? Title: Experimental Study of Un-Stationary Tip Vortex Cavitation
 - ? Venue: Progress in Marine Science and Technology
 - ? Year: 2025
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0

? Doi: 10.3233/Pmst250033
? Scopus ID: 2-s2.0-105016246606
? Issn: 25430955
? eISSN: 25430963
? Volume: 10
? Pages: 252-261
? Authors: Franzosi Giovanni; Abbasi Afaq Ahmed; Viviani Michele; Tani Giorgio
? Keywords: Computer Vision | Experimental Hydrodynamics | Model Scale Propeller | Tip Vortex Cavitation | Underwater Noise
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
? Source Id: 21101107127
? Author Ids: 58138664800;57201335703;58090077400;55355605100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Franzosi G.

3.
? Title: Development of a CFD Based Submarine Manoeuvrability Prediction Code
? Venue: Progress in Marine Science and Technology
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst250034
? Scopus ID: 2-s2.0-105016237135
? Issn: 25430955
? eISSN: 25430963
? Volume: 10
? Pages: 262-272
? Authors: Bert^a Lorenzo; Piaggio Benedetto; Scotto Luca; Becchetti Sebastiano; Viviani Michele; Villa Diego
? Keywords: Computational Fluid Dynamics | hydrodynamics | rudders | submarines
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
? Source Id: 21101107127
? Author Ids: 60102798400;57204360929;60102642500;60102345100;58090077400;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bert^a L.

4.
? Title: Propeller design by optimisation for underwater radiated noise reduction: a full scale application
? Venue: Ocean Engineering
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1016/j.oceaneng.2025.121412
? Scopus ID: 2-s2.0-105005290279
? Issn: 00298018

- ? Volume: 333
? Authors: Gaggero Stefano; Gaggero Tomaso; Tani Giorgio; Villa Diego; Rizzuto Enrico; Pinto Ottavio; Becchi Paolo; De Angelis Emilio; Viviani Michele
? Keywords: Cavitation | Optimisation | Propeller design | Underwater radiated noise
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
? Source Id: 28339
? Author Ids: 6503976905;55212255700;55355605100;56250522200;6602173744;55820385800;12784057800;57205145488;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60083109;60122238;60122238;60025153
? Corresponding: Gaggero S.
5.
? Title: Experimental study of bubble cavitation on a NACA 0015 hydrofoil by a computer vision approach
? Venue: Ocean Engineering
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.oceaneng.2024.119901
? Scopus ID: 2-s2.0-85210735300
? Issn: 00298018
? Volume: 316
? Authors: Franzosi Giovanni; Abbasi Afaq Ahmed; Savio Luca; Viviani Michele; Ferrando Marco; Tani Giorgio
? Keywords: Cavitation erosion | Cavitation measurement | Computer vision | High-speed videos | Hydrofoil NACA 0015
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
? Source Id: 28339
? Author Ids: 58138664800;57201335703;36631104100;58090077400;7006903025;55355605100
? Authoraffiliationids: 60025153;60025153;60108229-60013141;60025153;60025153;60025153
? Corresponding: Franzosi G.
6.
? Title: Experimental analysis of blade root cavitation erosion on set of model propellers
? Venue: Ocean Engineering
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1016/j.oceaneng.2024.118766
? Scopus ID: 2-s2.0-85200816327
? Issn: 00298018
? Volume: 311
? Authors: Abbasi Afaq Ahmed; Franzosi Giovanni; Viviani Michele; Bertetta Daniele; Tani Giorgio
? Keywords: Blade root | Cavitation erosion | Cavitation tunnel | Propellers | Soft paint test

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2024:

? Ocean Engineering (Q1, rank 12, percentile 89)

? Environmental Engineering (Q1, rank 45, percentile 79)

? Source Id: 28339

? Author Ids: 57201335703;58138664800;58090077400;55334414300;55355605100

? Authoraffiliationids: 60025153;60025153;60025153;60083109;60025153

? Corresponding: Abbasi A.A.

7.

? Title: Assessment of Numerical Captive Model Tests for Underwater Vehicles: The DARPA SUB-OFF Test Case

? Venue: Journal of Marine Science and Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 11

? DOI: 10.3390/jmse11122325

? Scopus ID: 2-s2.0-85180686068

? eISSN: 20771312

? Volume: 11

? Issue: 12

? Authors: Zheku Vito Vasilis; Villa Diego; Piaggio Benedetto; Gaggero Stefano; Viviani Michele

? Keywords: CFD | DARPA | manoeuvrability | naval hydrodynamics | RANS | submarines | underwater vehicles

? Quartile:

2025:

? Ocean Engineering (Q1, rank 29, percentile 75)

? Civil and Structural Engineering (Q2, rank 110, percentile 73)

? Water Science and Technology (Q2, rank 77, percentile 72)

2023:

? Civil and Structural Engineering (Q2, rank 126, percentile 66)

? Ocean Engineering (Q2, rank 36, percentile 66)

? Water Science and Technology (Q2, rank 100, percentile 61)

? Source Id: 21100830140

? Author Ids: 58033617300;56250522200;57204360929;6503976905;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Zheku V.V.

8.

? Title: A comprehensive analysis of a numerical self-propulsion procedure for high-speed marine vehicles

? Venue: Ocean Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.oceaneng.2023.115766

? Scopus ID: 2-s2.0-85171740044

? ISSN: 00298018

? Volume: 287

? Authors: Villa Diego; Tani Giorgio; Gaggero Stefano; Ferrando Marco; Ausonio

Pierluigi; Travi Piero; Viviani Michele

? Keywords: Computational fluid dynamics | High-speed marine vehicles | Self-propulsion prediction | Uncertainty quantification

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2023:

? Ocean Engineering (Q1, rank 14, percentile 87)

? Environmental Engineering (Q1, rank 48, percentile 75)

? Source Id: 28339

? Author Ids:

56250522200;55355605100;6503976905;7006903025;57193088176;57193089356;58090077400

? Authoraffiliationids:

60025153;60025153;60025153;60025153;118017113;118017113;60025153

? Corresponding: Villa D.

9.

? Title: Experimental analysis of the flow field around a propeller with inclined shaft

? Venue: Ocean Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.1016/j.oceaneng.2023.115237

? Scopus ID: 2-s2.0-85164406079

? Issn: 00298018

? Volume: 285

? Authors: Abbasi Afaq Ahmed; Franzosi Giovanni; Canepa Edward; Gaggero Stefano; Villa Diego; Viviani Michele; Tani Giorgio

? Keywords: Cavitation tunnel | Inclined shaft | LDV measurements | Propeller wake | Tip vortex flow

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2023:

? Ocean Engineering (Q1, rank 14, percentile 87)

? Environmental Engineering (Q1, rank 48, percentile 75)

? Source Id: 28339

? Author Ids:

57201335703;58138664800;55781768700;6503976905;56250522200;58090077400;55355605100

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Abbasi A.A.

10.

? Title: Twin-screw vessel manoeuvrability: The traditional twin-rudder configuration vs pod-drives

? Venue: Ocean Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.oceaneng.2023.113725

? Scopus ID: 2-s2.0-85147365813

? Issn: 00298018

? Volume: 271
? Authors: Piaggio Benedetto; Sommariva Guglielmo; Franceschi Andrea; Villa Diego; Viviani Michele
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2023:
? Ocean Engineering (Q1, rank 14, percentile 87)
? Environmental Engineering (Q1, rank 48, percentile 75)
? Source Id: 28339
? Author Ids: 57204360929;58090472000;57221162704;56250522200;58090077400
? Authoraffiliationids: 60025153;60122238;60122238;60025153;60025153
? Corresponding: Piaggio B.

11.

? Title: Effect of Shaft Inclination on the Flow Field around two Marine Propellers
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85188711672
? Issn: 10986189
? eISSN: 15551792
? Pages: 3813-3819
? Authors: Abbasi Afaq Ahmed; Franzosi Giovanni; Viviani Michele; Tani Giorgio; Canepa Edward
? Keywords: cavitation tunnel | inclined shaft | LDV | marine propeller | Velocimetric measurements
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 273, percentile 16)
? Ocean Engineering (Q4, rank 101, percentile 13)
? Mechanical Engineering (Q4, rank 650, percentile 11)
2023:
? Ocean Engineering (Q4, rank 89, percentile 15)
? Mechanical Engineering (Q4, rank 598, percentile 11)
? Energy Engineering and Power Technology (Q4, rank 243, percentile 10)
? Source Id: 77392
? Author Ids: 57201335703;58138664800;58090077400;55355605100;55781768700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Abbasi A.A.

12.

? Title: Analysis of Blade Root Cavitation Erosion with an Image Processing Approach
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-85188684751
? Issn: 10986189
? eISSN: 15551792
? Pages: 4086-4093
? Authors: Franzosi Giovanni; Abbasi Afaq Ahmed; Savio Luca; Viviani Michele; Tani

Giorgio

? Keywords: blade root | cavitation erosion | high-speed videos | image processing | propeller cavitation | soft paint

? Quartile:

2025:

? Energy Engineering and Power Technology (Q4, rank 273, percentile 16)

? Ocean Engineering (Q4, rank 101, percentile 13)

? Mechanical Engineering (Q4, rank 650, percentile 11)

2023:

? Ocean Engineering (Q4, rank 89, percentile 15)

? Mechanical Engineering (Q4, rank 598, percentile 11)

? Energy Engineering and Power Technology (Q4, rank 243, percentile 10)

? Source Id: 77392

? Author Ids: 58138664800;57201335703;36631104100;58090077400;55355605100

? Authoraffiliationids: 60025153;60025153;60108229-60013141;60025153;60025153

? Corresponding: Franzosi G.

13.

? Title: The heel influence on ship manoeuvrability: Single and twin-screw surface vessels

? Venue: Ocean Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.1016/j.oceaneng.2022.112721

? Scopus ID: 2-s2.0-85140026825

? Issn: 00298018

? Volume: 266

? Authors: Piaggio B.; Franceschi A.; Villa D.; Ferrari V.; Tonelli R.; Viviani M.

? Keywords: 4 Degrees of Freedom | Heel effect | IMO standards | Manoeuvrability | Turning | Zigzag

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2022:

? Ocean Engineering (Q1, rank 16, percentile 84)

? Environmental Engineering (Q1, rank 46, percentile 75)

? Source Id: 28339

? Author Ids: 57204360929;57221162704;56250522200;56016852400;7004058063;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60029978;60029978;60025153

? Corresponding: Piaggio B.

14.

? Title: Submarine Manoeuvrability Design: Traditional Cross-Plane vs. x-Plane Configurations in Intact and Degraded Conditions

? Venue: Journal of Marine Science and Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.3390/jmse10122014

? Scopus ID: 2-s2.0-85144980982

? eISSN: 20771312

? Volume: 10

? Issue: 12
? Authors: Piaggio Benedetto; Vernengo Giuliano; Ferrando Marco; Mazzarello Giorgio; Viviani Michele
? Keywords: design | manoeuvrability | rudder | stern planes | submarines | underwater vehicles
? Quartile:
2025:
? Ocean Engineering (Q1, rank 29, percentile 75)
? Civil and Structural Engineering (Q2, rank 110, percentile 73)
? Water Science and Technology (Q2, rank 77, percentile 72)
2022:
? Ocean Engineering (Q2, rank 39, percentile 61)
? Civil and Structural Engineering (Q2, rank 137, percentile 61)
? Water Science and Technology (Q2, rank 110, percentile 55)
? Source Id: 21100830140
? Author Ids: 57204360929;37662376400;7006903025;57892552100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60083109;60025153
? Corresponding: Piaggio B.

15.
? Title: Z-Drive Escort Tug manoeuvrability model and simulation, Part II: A full-scale validation
? Venue: Ocean Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1016/j.oceaneng.2022.111881
? Scopus ID: 2-s2.0-85133540544
? Issn: 00298018
? Volume: 259
? Authors: Piaggio Benedetto; Viviani Michele; Martelli Michele; Figari Massimo
? Keywords: Azimuthal Stern Drive | Dynamic simulation | Escort towing | Manoeuvring | Tugs | Z-Drive
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2022:
? Ocean Engineering (Q1, rank 16, percentile 84)
? Environmental Engineering (Q1, rank 46, percentile 75)
? Source Id: 28339
? Author Ids: 57204360929;58090077400;55521641400;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Piaggio B.

16.
? Title: SHIP URN: UNIGE Activities in the Context of LIFE-PIAQUO Project
? Venue: Progress in Marine Science and Technology
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.3233/Pmst220061
? Scopus ID: 2-s2.0-85138200266
? Issn: 25430955

- ? eISSN: 25430963
? Volume: 6
? Pages: 512-521
? Authors: Gaggero Stefano; Gaggero Tomaso; Tani Giorgio; Villa Diego; Rizzato Enrico; Viviani Michele
? Keywords: Cavitation | Cavitation detection | Noise mapping | Optimization | Propeller design | Underwater radiated noise
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
2022:
? Ocean Engineering (Q4, rank 91, percentile 9)
? Safety, Risk, Reliability and Quality (Q4, rank 178, percentile 7)
? Mechanical Engineering (Q4, rank 600, percentile 4)
? Source Id: 21101107127
? Author Ids: 6503976905;55212255700;55355605100;56250522200;6602173744;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Gaggero S.
17.
? Title: Experimental Analysis of Cavitation Erosion on Blade Root of Controllable Pitch Propeller
? Venue: Progress in Marine Science and Technology
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.3233/Pmst220032
? Scopus ID: 2-s2.0-85138164077
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 254-262
? Authors: Abbasi Afaq Ahmed; Viviani Michele; Bertetta Daniele; Delucchi Marina; Ricotti Rico; Tani Giorgio
? Keywords: Cavitation erosion | propeller blade root | soft paint test
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
2022:
? Ocean Engineering (Q4, rank 91, percentile 9)
? Safety, Risk, Reliability and Quality (Q4, rank 178, percentile 7)
? Mechanical Engineering (Q4, rank 600, percentile 4)
? Source Id: 21101107127
? Author Ids: 57201335703;58090077400;55334414300;57213827961;16040579400;55355605100
? Authoraffiliationids: 60025153;60025153;60083109;60025153;127043413;60025153
? Corresponding: Abbasi A.A.
18.
? Title: Numerical Approaches for Submarine Hydrodynamic Design and Performance Analysis
? Venue: Progress in Marine Science and Technology

? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.3233/Pmst220035
? Scopus ID: 2-s2.0-85138153375
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 279-286
? Authors: Gaggero Stefano; Piaggio Benedetto; Vernengo Giuliano; Villa Diego; Viviani Michele; Gualeni Paola
? Keywords: Computational Fluid Dynamics (CFD) | Free surface flow | Maneuvering | Resistance | Submarine
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
2022:
? Ocean Engineering (Q4, rank 91, percentile 9)
? Safety, Risk, Reliability and Quality (Q4, rank 178, percentile 7)
? Mechanical Engineering (Q4, rank 600, percentile 4)
? Source Id: 21101107127
? Author Ids: 6503976905;57204360929;37662376400;56250522200;58090077400;15057843300
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Gaggero S.

19.

? Title: Development and assessment of CFD methods to calculate propeller and hull impact on the rudder inflow for a twin-screw ship
? Venue: Applied Ocean Research
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 19
? DOI: 10.1016/j.apor.2022.103227
? Scopus ID: 2-s2.0-85131965307
? Issn: 01411187
? Volume: 125
? Authors: Franceschi Andrea; Piaggio Benedetto; Villa Diego; Viviani Michele
? Keywords: Manoeuvrability | OpenFOAM | Reynolds average Navier-Stokes (RANS) | Rudder-propeller interaction | Straightening coefficients
? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2022:

? Ocean Engineering (Q1, rank 13, percentile 87)

? Source Id: 26776

? Author Ids: 57221162704;57204360929;56250522200;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Franceschi A.

20.

? Title: Experimental measurements and numerical simulations of underwater radiated noise from a model-scale propeller in uniform inflow

? Venue: Ocean Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1016/j.oceaneng.2022.111409
? Scopus ID: 2-s2.0-85130136791
? Issn: 00298018
? Volume: 255
? Authors: McIntyre Duncan; Rahimpour Mostafa; Dong Zuomin; Tani Giorgio; Miglianti Fabiana; Viviani Michele; Oshkai Peter
? Keywords: Cavitation-induced noise | CFD | Propeller-induced cavitation | RANS | Underwater radiated noise
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2022:
? Ocean Engineering (Q1, rank 16, percentile 84)
? Environmental Engineering (Q1, rank 46, percentile 75)
? Source Id: 28339
? Author Ids: 57223390596;57104751100;7402273872;55355605100;57204913304;58090077400;23051641400
? Authoraffiliationids: 60003122;60003122;60003122;60025153;60025153;60025153;60003122
? Corresponding: McIntyre D.

21.

? Title: An investigation on the heel influence on manoeuverability: A twin-screw RORO vessel case study
? Venue: Proceedings in Marine Technology and Ocean Engineering
? Year: 2022
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1201/9781003320272-46
? Scopus ID: 2-s2.0-85216188579
? Issn: 2638647x
? eISSN: 26386461
? Volume: 1
? Pages: 417-423
? Authors: Piaggio B.; Rimini B.; Villa D.; Viviani M.; Ferrari V.; Tonelli R.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 73, percentile 37)
? Source Id: 21101270843
? Author Ids: 57204360929;59531979500;56250522200;58090077400;56016852400;7004058063
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60029978;60029978
? Corresponding: Piaggio B.

22.

? Title: Experimental investigation of single blade loads by captive model tests in pure oblique flow. Part II: Propeller in-plane loads and preliminary comparison of single blade loads during transient phases
? Venue: Ocean Engineering
? Year: 2021
? Type: Journal

? Subtype: Article
? Citations: 11
? DOI: 10.1016/j.oceaneng.2021.109149
? Scopus ID: 2-s2.0-85107149641
? ISSN: 00298018
? Volume: 234
? Authors: Ortolani Fabrizio; Tani Giorgio; Viviani Michele; Dubbioso Giulio
? Keywords: Oblique towing | Propeller loads | Propeller performance in off?design | Single blade loads | Transient maneuvers
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2021:
? Ocean Engineering (Q1, rank 9, percentile 91)
? Environmental Engineering (Q1, rank 34, percentile 80)
? Source Id: 28339
? Author Ids: 55847095700;55355605100;58090077400;36543735000
? Authoraffiliationids: 60021199;113086089;113086089;60021199
? Corresponding: Ortolani F.

23.
? Title: Assessment of the manoeuvrability characteristics of a twin shaft naval vessel using an open-source cfd code
? Venue: Journal of Marine Science and Engineering
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 23
? DOI: 10.3390/jmse9060665
? Scopus ID: 2-s2.0-85108896596
? eISSN: 20771312
? Volume: 9
? Issue: 6
? Authors: Franceschi Andrea; Piaggio Benedetto; Tonelli Roberto; Villa Diego; Viviani Michele
? Keywords: DTMB 5415 | Hydrodynamic coefficients | Manoeuvrability | Reynolds average navier-stokes (RANS) | Virtual captive tests
? Quartile:
2025:
? Ocean Engineering (Q1, rank 29, percentile 75)
? Civil and Structural Engineering (Q2, rank 110, percentile 73)
? Water Science and Technology (Q2, rank 77, percentile 72)
2021:
? Ocean Engineering (Q2, rank 42, percentile 57)
? Civil and Structural Engineering (Q2, rank 159, percentile 51)
? Water Science and Technology (Q3, rank 121, percentile 49)
? Source Id: 21100830140
? Author Ids: 57221162704;57204360929;7004058063;56250522200;58090077400
? Authoraffiliationids: 60025153;60025153;60029978;60025153;60025153
? Corresponding: Franceschi A.

24.
? Title: Z-drive escort tug manoeuvrability modelling: From model-scale to full-scale validation
? Venue: Developments in Maritime Technology and Engineering Proceedings of the 5th

International Conference on Maritime Technology and Engineering Martech 2020

? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1201/9781003216599-23
? Scopus ID: 2-s2.0-85145495960
? Volume: 2
? Pages: 207-216
? Authors: Piaggio B.; Viviani M.; Martelli M.; Figari M.
? Source Id: 21101129854
? Author Ids: 57204360929;58090077400;55521641400;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Piaggio B.

25.

? Title: The use of computational fluid dynamic technique in ship control design
? Venue: Ships and Offshore Structures
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1080/17445302.2019.1706908
? Scopus ID: 2-s2.0-85077165478
? Issn: 17445302
? Volume: 16
? Issue: 1
? Pages: 31-45
? Authors: Martelli M.; Villa D.; Viviani M.; Donnarumma S.; Figari M.
? Keywords: CFD | control design | marine propulsion plant | Ship dynamics | simulation techniques | slow-speed manoeuvrability
? Quartile:

2025:

? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)

2021:

? Mechanical Engineering (Q2, rank 203, percentile 66)
? Ocean Engineering (Q2, rank 34, percentile 65)

? Source Id: 19700186818
? Author Ids: 55521641400;56250522200;58090077400;55350308600;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Martelli M.

26.

? Title: Numerical analysis of the rudder-propeller interaction
? Venue: Journal of Marine Science and Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 33
? DOI: 10.3390/jmse8120990
? Scopus ID: 2-s2.0-85098445851
? eISSN: 20771312
? Volume: 8
? Issue: 12
? Pages: 1-22

? Authors: Villa Diego; Franceschi Andrea; Viviani Michele
? Keywords: Actuator disk theory | Reynolds Average Navier-Stokes (RANS) | Rudder sectional forces | Rudder-propeller interactions | Validations and verification
? Quartile:
2025:
? Ocean Engineering (Q1, rank 29, percentile 75)
? Civil and Structural Engineering (Q2, rank 110, percentile 73)
? Water Science and Technology (Q2, rank 77, percentile 72)
2020:
? Ocean Engineering (Q2, rank 45, percentile 53)
? Water Science and Technology (Q3, rank 125, percentile 44)
? Civil and Structural Engineering (Q3, rank 180, percentile 43)
? Source Id: 21100830140
? Author Ids: 56250522200;57221162704;58090077400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Villa D.

27.
? Title: SWAMP, an Autonomous Surface Vehicle expressly designed for extremely shallow waters
? Venue: Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 32
? DOI: 10.1016/j.oceaneng.2020.108205
? Scopus ID: 2-s2.0-85092478422
? Issn: 00298018
? Volume: 216
? Authors: Odetti Angelo; Bruzzone Gabriele; Altosole Marco; Viviani Michele; Caccia Massimo
? Keywords: ASV | Autonomous Vehicles | Environmental monitoring | Propulsion | Pump-jet | Shallow water | USV | Wetlands
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2020:
? Ocean Engineering (Q1, rank 9, percentile 91)
? Environmental Engineering (Q1, rank 29, percentile 80)
? Source Id: 28339
? Author Ids: 57105575700;35611015100;13006187800;58090077400;35085742200
? Authoraffiliationids: 60021199;60021199;60017293;60025153;60021199
? Corresponding: Odetti A.

28.
? Title: Advance Speed-Hull-Pump-Jet Interactions in Small ASV
? Venue: Progress in Marine Science and Technology
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.3233/Pmst200043
? Scopus ID: 2-s2.0-85120854251
? Issn: 25430955
? eISSN: 25430963

- ? Volume: 5
? Pages: 197-206
? Authors: Odetti Angelo; Altosole Marco; Bibuli Marco; Bruzzone Gabriele; Caccia Massimo; Viviani Michele
? Keywords: ASV | Autonomous Surface Vehicles | Catamaran | Pump-Jet propulsion | Self-propelling tests | Shallow water
? Quartile:
2025:
? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)
? Ocean Engineering (Q4, rank 99, percentile 15)
? Mechanical Engineering (Q4, rank 640, percentile 13)
? Source Id: 21101107127
? Author Ids: 57105575700;13006187800;24485475600;35611015100;35085742200;58090077400
? Authoraffiliationids: 60021199;60017293;60021199;60021199;60021199;60025153
? Corresponding: Odetti A.
29.
? Title: Noise measurements of a cavitating propeller in different facilities: Results of the round robin test programme
? Venue: Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 34
? DOI: 10.1016/j.oceaneng.2020.107599
? Scopus ID: 2-s2.0-85089191761
? Issn: 00298018
? Volume: 213
? Authors: Tani Giorgio; Viviani Michele; Felli Mario; Lafeber Frans Hendrik; Lloyd Thomas; Aktas Batuhan; Atlar Mehmet; Turkmen Serkan; Seol Hanshin; Hallander Jan; Sakamoto Nobuaki
? Keywords: Cavitation | Model tests | Propeller | Round-robin | Underwater noise
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2020:
? Ocean Engineering (Q1, rank 9, percentile 91)
? Environmental Engineering (Q1, rank 29, percentile 80)
? Source Id: 28339
? Author Ids: 55355605100;58090077400;7003719021;57104830400;33667781300;57072949400;6701684164;57073056700;7003464885;6506848509;22939065500
? Authoraffiliationids: 60025153;60025153;124936821;60029978;60029978;60024724;60024724;60006222;60068705;122871247;60018297
? Corresponding: Tani G.
30.
? Title: Predicting the cavitating marine propeller noise at design stage: A deep learning based approach
? Venue: Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 45
? DOI: 10.1016/j.oceaneng.2020.107481
? Scopus ID: 2-s2.0-85085001601

? Issn: 00298018
? Volume: 209
? Authors: Miglianti Leonardo; Cipollini Francesca; Oneto Luca; Tani Giorgio; Gaggero Stefano; Coraddu Andrea; Viviani Michele
? Keywords: Cavitation noise prediction | Deep learning | Hybrid models | Marine propeller | Spectra parametrisation
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2020:
? Ocean Engineering (Q1, rank 9, percentile 91)
? Environmental Engineering (Q1, rank 29, percentile 80)
? Source Id: 28339
? Author Ids:
57216867165;57197726257;41262130900;55355605100;6503976905;55193514900;58090077400
? Authoraffiliationids: 60025153;122379073;60121711;60025153;60025153;60024724;60025153
? Corresponding: Miglianti L.

31.
? Title: Deep Learning for Cavitating Marine Propeller Noise Prediction at Design Stage
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/IJCNN48605.2020.9207003
? Scopus ID: 2-s2.0-85093839768
? Authors: Oneto Luca; Cipollini Francesca; Miglianti Leonardo; Tani Giorgio; Gaggero Stefano; Viviani Michele; Coraddu Andrea
? Keywords: Cavitation Noise | Deep Learning | Hybrid Models. | Machine Learning | Marine Propeller | Noise Prediction
? Source Id: 96537
? Author Ids:
41262130900;57197726257;57216867165;55355605100;6503976905;58090077400;55193514900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60024724
? Corresponding: Oneto L.

32.
? Title: Numerical analysis of escort tug manoeuvrability characteristics ? Part II: The skeg effect
? Venue: Applied Ocean Research
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 20
? DOI: 10.1016/j.apor.2020.102199
? Scopus ID: 2-s2.0-85084856179
? Issn: 01411187
? Volume: 100
? Authors: Piaggio Benedetto; Villa Diego; Viviani Michele; Figari Massimo
? Keywords: Captive model tests | Escort tug | Manoeuvrability | Reynolds average navier-Stokes (RANS) | Skeg
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)

2020:

- ? Ocean Engineering (Q1, rank 16, percentile 83)
- ? Source Id: 26776
- ? Author Ids: 57204360929;56250522200;58090077400;6507282370
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Piaggio B.

33.

? Title: An all-round design-to-simulation approach of a new Z-drive escort tug class

? Venue: Journal of Offshore Mechanics and Arctic Engineering

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 13

? Doi: 10.1115/1.4045440

? Scopus ID: 2-s2.0-85079632224

? Issn: 08927219

? eISSN: 1528896X

? Volume: 142

? Issue: 3

? Authors: Figari Massimo; Martinelli Luca; Piaggio Benedetto; Enoizi Lucia; Viviani Michele; Villa Diego

? Quartile:

2025:

? Ocean Engineering (Q2, rank 42, percentile 64)

? Mechanical Engineering (Q2, rank 286, percentile 61)

2020:

? Ocean Engineering (Q2, rank 36, percentile 63)

? Mechanical Engineering (Q2, rank 235, percentile 60)

? Source Id: 20985

? Author Ids: 6507282370;57203641272;57204360929;57204365897;58090077400;56250522200

? Authoraffiliationids: 60025153;110039644;60025153;110039644;60025153;60025153

? Corresponding: Figari M.

34.

? Title: Numerical and experimental comparison of ducted and non-ducted propellers

? Venue: Journal of Marine Science and Engineering

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 36

? Doi: 10.3390/Jmse8040257

? Scopus ID: 2-s2.0-85086743260

? eISSN: 20771312

? Volume: 8

? Issue: 4

? Authors: Villa Diego; Gaggero Stefano; Tani Giorgio; Viviani Michele

? Keywords: Adaptive mesh refinement (AMR) | Ducted propeller | Reynolds-averaged navier-stokes (RANS) | Validations and verifications

? Quartile:

2025:

? Ocean Engineering (Q1, rank 29, percentile 75)

? Civil and Structural Engineering (Q2, rank 110, percentile 73)

? Water Science and Technology (Q2, rank 77, percentile 72)

2020:

? Ocean Engineering (Q2, rank 45, percentile 53)

- ? Water Science and Technology (Q3, rank 125, percentile 44)
 - ? Civil and Structural Engineering (Q3, rank 180, percentile 43)
 - ? Source Id: 21100830140
 - ? Author Ids: 56250522200;6503976905;55355605100;58090077400
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 - ? Corresponding: Villa D.
- 35.
- ? Title: Numerical analysis of escort tug manoeuvrability characteristics
 - ? Venue: Applied Ocean Research
 - ? Year: 2020
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 30
 - ? DOI: 10.1016/j.apor.2020.102075
 - ? Scopus ID: 2-s2.0-85079662814
 - ? Issn: 01411187
 - ? Volume: 97
 - ? Authors: Piaggio Benedetto; Villa Diego; Viviani Michele
 - ? Keywords: Captive model tests | Escort tug | Manoeuvring | Reynolds average Navier-Stokes (RANS) | Validation
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 15, percentile 87)
 - 2020:
 - ? Ocean Engineering (Q1, rank 16, percentile 83)
- ? Source Id: 26776
 - ? Author Ids: 57204360929;56250522200;58090077400
 - ? Authoraffiliationids: 60025153;60025153;60025153
 - ? Corresponding: Piaggio B.
- 36.
- ? Title: Interactive design and variation of hull shapes: pros and cons of different CAD approaches
 - ? Venue: International Journal on Interactive Design and Manufacturing
 - ? Year: 2020
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 14
 - ? DOI: 10.1007/s12008-019-00613-3
 - ? Scopus ID: 2-s2.0-85074048259
 - ? Issn: 19552513
 - ? eISSN: 19552505
 - ? Volume: 14
 - ? Issue: 1
 - ? Pages: 103-114
 - ? Authors: Vernengo Giuliano; Villa Diego; Gaggero Stefano; Viviani Michele
 - ? Keywords: CAD | Free form deformation | Fully parametric model | Sensitivity analysis | Ship design
 - ? Quartile:
 - 2025:
 - ? Modeling and Simulation (Q1, rank 63, percentile 83)
 - ? Industrial and Manufacturing Engineering (Q2, rank 107, percentile 73)
 - 2020:
 - ? Modeling and Simulation (Q1, rank 70, percentile 76)
 - ? Industrial and Manufacturing Engineering (Q2, rank 88, percentile 73)

? Source Id: 12000154536
? Author Ids: 37662376400;56250522200;6503976905;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Vernengo G.

37.

? Title: Experimental investigation of single blade loads by captive model tests in pure oblique flow
? Venue: Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.oceaneng.2019.106789
? Scopus ID: 2-s2.0-85076241758
? Issn: 00298018
? Volume: 196
? Authors: Ortolani Fabrizio; Viviani Michele; Tani Giorgio; Dubbioso Giulio
? Keywords: Captive model tests | Off?design propeller performance | Pure oblique flow | Single blade loads
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2020:
? Ocean Engineering (Q1, rank 9, percentile 91)
? Environmental Engineering (Q1, rank 29, percentile 80)
? Source Id: 28339
? Author Ids: 55847095700;58090077400;55355605100;36543735000
? Authoraffiliationids: 60021199;113086089;113086089;60021199
? Corresponding: Ortolani F.

38.

? Title: Cavitation tunnel in Naval Architecture: From cavitation prediction to radiated noise
? Venue: 2019 Imeko Tc19 International Workshop on Metrology for the Sea Learning to Measure Sea Health Parameters Metrosea 2019
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85081063127
? Pages: 215-220
? Authors: Tani Giorgio; Viviani Michele; Ferrando Marco
? Source Id: 21100987472
? Author Ids: 55355605100;58090077400;7006903025
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Tani G.

39.

? Title: Z-Drive Escort Tug manoeuvrability model and simulation
? Venue: Ocean Engineering
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 32
? DOI: 10.1016/j.oceaneng.2019.106461

? Scopus ID: 2-s2.0-85073011172

? Issn: 00298018

? Volume: 191

? Authors: Piaggio Benedetto; Viviani Michele; Martelli Michele; Figari Massimo

? Keywords: Azimuthal Stern Drive | Dynamic simulation | Escort towing | Manoeuvring Model | Tugs | z-Drive

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2019:

? Ocean Engineering (Q1, rank 12, percentile 87)

? Environmental Engineering (Q1, rank 32, percentile 76)

? Source Id: 28339

? Author Ids: 57204360929;58090077400;55521641400;6507282370

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Piaggio B.

40.

? Title: An efficient and robust approach to predict ship self-propulsion coefficients

? Venue: Applied Ocean Research

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 36

? DOI: 10.1016/j.apor.2019.101862

? Scopus ID: 2-s2.0-85071987215

? Issn: 01411187

? Volume: 92

? Authors: Villa Diego; Gaggero Stefano; Gaggero Tomaso; Tani Giorgio; Vernengo Giuliano; Viviani Michele

? Keywords: Actuator disk | KCS test case | RANS/BEM coupling | Reynolds average Navier?Stokes (RANS) | Self-propulsion coefficients

? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2019:

? Ocean Engineering (Q1, rank 16, percentile 82)

? Source Id: 26776

? Author Ids: 56250522200;6503976905;55212255700;55355605100;37662376400;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Villa D.

41.

? Title: CFD-based analyses for a slow speed manoeuvrability model

? Venue: Journal of Marine Science and Technology Japan

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 21

? DOI: 10.1007/s00773-018-0593-8

? Scopus ID: 2-s2.0-85053476653

? Issn: 09484280

? Volume: 24

? Issue: 3

? Pages: 871-883

? Authors: Villa Diego; Viviani Michele; Gaggero Stefano; Vantorre Marc; Eloot Katrien; Delefortrie Guillaume
? Keywords: CFD verification and validation | CFD viscous code | OpenFOAM | Slow speed manoeuvrability
? Quartile:
2025:
? Oceanography (Q1, rank 26, percentile 83)
? Ocean Engineering (Q1, rank 28, percentile 76)
? Mechanical Engineering (Q1, rank 178, percentile 75)
? Mechanics of Materials (Q2, rank 123, percentile 70)
2019:
? Ocean Engineering (Q2, rank 29, percentile 68)
? Mechanical Engineering (Q2, rank 215, percentile 63)
? Oceanography (Q2, rank 50, percentile 60)
? Mechanics of Materials (Q2, rank 151, percentile 58)
? Source Id: 27784
? Author Ids: 56250522200;58090077400;6503976905;6602156672;10738926700;10739448300
? Authoraffiliationids: 60025153;60025153;60025153;60033316;60159376;60159376
? Corresponding: Villa D.

42.

? Title: Hybrid Model for Cavitation Noise Spectra Prediction
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IJCNN.2019.8852178
? Scopus ID: 2-s2.0-85073246194
? Volume: 2019-July
? Authors: Cipollini Francesca; Miglianti Fabiana; Oneto Luca; Tani Giorgio; Viviani Michele
? Keywords: Cavitation Noise Prediction | Data-Driven Models | Hybrid Models | Physical Models
? Source Id: 96537
? Author Ids: 57197726257;57204913304;41262130900;55355605100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Cipollini F.

43.

? Title: Aspects of the measurement of the acoustic transfer function in a cavitation tunnel
? Venue: Applied Ocean Research
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 21
? DOI: 10.1016/j.apor.2019.02.017
? Scopus ID: 2-s2.0-85064261593
? Issn: 01411187
? Volume: 87
? Pages: 264-278
? Authors: Tani Giorgio; Viviani Michele; Ferrando Marco; Armelloni Enrico
? Keywords: Confined environment | Propeller model tests | Reverberation | Transfer function | Underwater radiated noise
? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2019:

? Ocean Engineering (Q1, rank 16, percentile 82)

? Source Id: 26776

? Author Ids: 55355605100;58090077400;7006903025;57211115712

? Authoraffiliationids: 60025153;60025153;60025153;60004969

? Corresponding: Tani G.

44.

? Title: Propeller modeling approaches for off?design operative conditions

? Venue: Ocean Engineering

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 35

? DOI: 10.1016/j.oceaneng.2019.02.069

? Scopus ID: 2-s2.0-85063115439

? Issn: 00298018

? Volume: 178

? Pages: 283-305

? Authors: Gaggero Stefano; Dubbioso Giulio; Villa Diego; Muscari Roberto; Viviani Michele

? Keywords: Blade element propeller model | Boundary element method | Off?design propeller performance | Propeller bearing loads | Ship maneuvering

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2019:

? Ocean Engineering (Q1, rank 12, percentile 87)

? Environmental Engineering (Q1, rank 32, percentile 76)

? Source Id: 28339

? Author Ids: 6503976905;36543735000;56250522200;6602598781;58090077400

? Authoraffiliationids: 60025153;60021199;60025153;60021199;60025153

? Corresponding: Gaggero S.

45.

? Title: Model scale cavitation noise spectra prediction: Combining physical knowledge with data science

? Venue: Ocean Engineering

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 17

? DOI: 10.1016/j.oceaneng.2019.02.002

? Scopus ID: 2-s2.0-85062485159

? Issn: 00298018

? Volume: 178

? Pages: 185-203

? Authors: Miglianti Fabiana; Cipollini Francesca; Oneto Luca; Tani Giorgio; Viviani Michele

? Keywords: Cavitation noise prediction | Data-driven model | Hybrid model | Marine propeller | Spectra parametrization

? Quartile:

2025:

- ? Ocean Engineering (Q1, rank 6, percentile 95)
 - ? Environmental Engineering (Q1, rank 38, percentile 83)
 - 2019:
 - ? Ocean Engineering (Q1, rank 12, percentile 87)
 - ? Environmental Engineering (Q1, rank 32, percentile 76)
 - ? Source Id: 28339
 - ? Author Ids: 57204913304;57197726257;41262130900;55355605100;58090077400
 - ? Authoraffiliationids: 60025153;60121711;60121711;60025153;60025153
 - ? Corresponding: Miglianti F.
- 46.
- ? Title: Cavitation tunnel tests for ?The Princess Royal? model propeller behind a 2-dimensional wake screen
 - ? Venue: Ocean Engineering
 - ? Year: 2019
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 20
 - ? DOI: 10.1016/j.oceaneng.2018.11.017
 - ? Scopus ID: 2-s2.0-85060047517
 - ? Issn: 00298018
 - ? Volume: 172
 - ? Pages: 829-843
 - ? Authors: Tani Giorgio; Aktas Batuhan; Viviani Michele; Yilmaz Naz; Miglianti Fabiana; Ferrando Marco; Atlar Mehmet
 - ? Keywords: Cavitation | Model tests | Scale effects | Tip vortex noise | Underwater radiated noise
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 6, percentile 95)
 - ? Environmental Engineering (Q1, rank 38, percentile 83)
- 2019:
 - ? Ocean Engineering (Q1, rank 12, percentile 87)
 - ? Environmental Engineering (Q1, rank 32, percentile 76)
- ? Source Id: 28339
 - ? Author Ids: 55355605100;57072949400;58090077400;57204799368;57204913304;7006903025;6701684164
 - ? Authoraffiliationids: 60025153;60024724;60025153;60024724;60025153;60025153;60024724
 - ? Corresponding: Tani G.
- 47.
- ? Title: A new concept of highly modular ASV for extremely shallow water applications
 - ? Venue: IFAC Papersonline
 - ? Year: 2019
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 11
 - ? DOI: 10.1016/j.ifacol.2019.12.304
 - ? Scopus ID: 2-s2.0-85079641027
 - ? eISSN: 24058963
 - ? Volume: 52
 - ? Issue: 21
 - ? Pages: 181-186
 - ? Authors: Odetti Angelo; Altosole Marco; Bruzzone Gabriele; Viviani Michele; Caccia Massimo
 - ? Keywords: ASV | Distributed control | Modularity | Shallow water | USV | Wetlands

? Quartile:

2025:

? Control and Systems Engineering (Q3, rank 218, percentile 42)

2019:

? Control and Systems Engineering (Q3, rank 154, percentile 36)

? Source Id: 21100456158

? Author Ids: 57105575700;13006187800;35611015100;58090077400;35085742200

? Authoraffiliationids: 60021199;60025153;60021199;60025153;60021199

? Corresponding: Odetti A.

48.

? Title: Additive manufacturing application to a ship propeller model for experimental activity in the cavitation tunnel

? Venue: Journal of Ship Production and Design

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 13

? Doi: 10.5957/Jspd.11170055

? Scopus ID: 2-s2.0-85075263166

? Issn: 21582866

? eISSN: 21582874

? Volume: 35

? Issue: 4

? Pages: 364-373

? Authors: Cilia Tancredi; Bertetta Daniele; Gualeni Paola; Tani Giorgio; Viviani Michele

? Keywords: Additive manufacturing | Ship model propellers | Shipbuilding industry

? Quartile:

2025:

? Ocean Engineering (Q3, rank 67, percentile 42)

? Mechanical Engineering (Q3, rank 437, percentile 40)

2019:

? Ocean Engineering (Q3, rank 55, percentile 40)

? Mechanical Engineering (Q3, rank 382, percentile 34)

? Source Id: 21100241623

? Author Ids: 57211896814;55334414300;15057843300;55355605100;58090077400

? Authoraffiliationids: 60025153;60083109;60025153;60025153;60025153

? Corresponding: Cilia T.

49.

? Title: Design and construction of a modular pump-jet thruster for autonomous surface vehicle operations in extremely shallow water

? Venue: Journal of Marine Science and Engineering

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 35

? DOI: 10.3390/jmse7070222

? Scopus ID: 2-s2.0-85069147396

? eISSN: 20771312

? Volume: 7

? Issue: 7

? Authors: Odetti Angelo; Altosole Marco; Bruzzone Gabriele; Caccia Massimo; Viviani Michele

? Keywords: 3D printing | ASV | Design | Marine propulsion | Modularity | Pump-jet

thruster | Shallow water | Wetlands

? Quartile:

2025:

? Ocean Engineering (Q1, rank 29, percentile 75)

? Civil and Structural Engineering (Q2, rank 110, percentile 73)

? Water Science and Technology (Q2, rank 77, percentile 72)

2019:

? Ocean Engineering (Q2, rank 43, percentile 53)

? Civil and Structural Engineering (Q3, rank 165, percentile 46)

? Water Science and Technology (Q3, rank 117, percentile 46)

? Source Id: 21100830140

? Author Ids: 57105575700;13006187800;35611015100;35085742200;58090077400

? Authoraffiliationids: 60021199;60025153;60021199;60021199;60025153

? Corresponding: Odetti A.

50.

? Title: A study on the influence of hull wake on model scale cavitation and noise tests for a fast twin screw vessel with inclined shaft

? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.1177/1475090217693418

? Scopus ID: 2-s2.0-85042079373

? Issn: 14750902

? eISSN: 20413084

? Volume: 232

? Issue: 3

? Pages: 307-330

? Authors: Tani Giorgio; Viviani Michele; Villa Diego; Ferrando Marco

? Keywords: Cavitation | hull wake | marine propulsion | model scale measurements | underwater radiated noise

? Quartile:

2025:

? Ocean Engineering (Q2, rank 37, percentile 68)

? Mechanical Engineering (Q2, rank 249, percentile 66)

2018:

? Ocean Engineering (Q2, rank 25, percentile 73)

? Mechanical Engineering (Q2, rank 169, percentile 71)

? Source Id: 25596

? Author Ids: 55355605100;58090077400;56250522200;7006903025

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Tani G.

51.

? Title: Design and Validation of Dynamic Positioning for Marine Systems: A Case Study

? Venue: IEEE Journal of Oceanic Engineering

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 40

? Doi: 10.1109/Joe.2017.2732298

? Scopus ID: 2-s2.0-85031816570

? Issn: 03649059

- ? Volume: 43
? Issue: 3
? Pages: 677-688
? Authors: Donnarumma Silvia; Figari Massimo; Martelli Michele; Vignolo Stefano; Viviani Michele
? Keywords: Dynamic positioning | environmental disturbances | propulsion modeling | simulation-based design
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
2018:
? Ocean Engineering (Q1, rank 5, percentile 95)
? Mechanical Engineering (Q1, rank 76, percentile 87)
? Electrical and Electronic Engineering (Q1, rank 117, percentile 82)
? Source Id: 17277
? Author Ids: 55350308600;6507282370;55521641400;6602505719;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Donnarumma S.
52.
? Title: Numerical Evaluation of Rudder Performance Behind a Propeller in Bollard Pull Condition
? Venue: Journal of Marine Science and Application
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 30
? DOI: 10.1007/s11804-018-0018-4
? Scopus ID: 2-s2.0-85049569100
? Issn: 16719433
? Volume: 17
? Issue: 2
? Pages: 153-164
? Authors: Villa Diego; Viviani Michele; Tani Giorgio; Gaggero Stefano; Bruzzone Dario; Podenzana Carlo Bonvino
? Keywords: Actuator disk | Body forces | Bollard pull | RANS | Rudder?propeller interaction
? Quartile:
2025:
? Ocean Engineering (Q2, rank 39, percentile 66)
? Mechanical Engineering (Q2, rank 253, percentile 65)
2018:
? Ocean Engineering (Q2, rank 46, percentile 51)
? Mechanical Engineering (Q3, rank 302, percentile 48)
? Source Id: 5400152711
? Author Ids: 56250522200;58090077400;55355605100;6503976905;6602292559;57202858212
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Villa D.
53.
? Title: Extensive cavitation tunnel acoustic characterization of controllable pitch propellers
? Venue: Technology and Science for the Ships of the Future Proceedings of Nav 2018
19th International Conference on Ship and Maritime Research

? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/978-1-61499-870-9-410
? Scopus ID: 2-s2.0-85087610408
? Pages: 410-417
? Authors: Miglianti Fabiana; Tani Giorgio; Viviani Michele; Bertetta Daniele; Vaccaro Cristina
? Keywords: Cavitation | CP propellers | Radiated noise
? Source Id: 21101023871
? Author Ids: 57204913304;55355605100;58090077400;55334414300;56865744300
? Authoraffiliationids: 60025153;60025153;60025153;60083109;60083109
? Corresponding: Miglianti F.

54.

? Title: Wetlands monitoring: Hints for innovative autonomous surface vehicles design
? Venue: Technology and Science for the Ships of the Future Proceedings of Nav 2018
19th International Conference on Ship and Maritime Research
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.3233/978-1-61499-870-9-1014
? Scopus ID: 2-s2.0-85087609969
? Pages: 1014-1022
? Authors: Odetti Angelo; Altosole Marco; Caccia Massimo; Viviani Michele; Bruzzone Gabriele
? Keywords: ASV | Automatic Sampling | Autonomous Surface Vehicle | Environmental Monitoring | Marine Robotics | UMV design | Wetlands
? Source Id: 21101023871
? Author Ids: 57105575700;13006187800;35085742200;58090077400;35611015100
? Authoraffiliationids: 60021199;60025153;60021199;60025153;60021199
? Corresponding: Odetti A.

55.

? Title: Ship self-propulsion performance prediction by using OpenFOAM and different simplified propeller models
? Venue: Progress in Maritime Technology and Engineering Proceedings of the 4th International Conference on Maritime Technology and Engineering Martech 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1201/9780429505294-23
? Scopus ID: 2-s2.0-85060163315
? Pages: 195-206
? Authors: Gaggero S.; Gaggero T.; Tani G.; Vernengo G.; Viviani M.; Villa D.
? Source Id: 21100898005
? Author Ids: 6503976905;55212255700;55355605100;37662376400;58090077400;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Gaggero S.

56.

? Title: Escort tug hydrodynamic forces estimation in a design framework: From model test to manoeuvrability simulation
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic

Engineering OMAE
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1115/Omae2018-78052
? Scopus ID: 2-s2.0-85055354752
? Volume: 11B
? Authors: Piaggio Benedetto; Viviani Michele; Martelli Michele
? Source Id: 91440
? Author Ids: 57204360929;58090077400;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Piaggio B.

57.

? Title: All around approach for the design of a new escort tug family
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic
Engineering OMAE
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1115/Omae2018-77914
? Scopus ID: 2-s2.0-85055339380
? Volume: 11B
? Authors: Figari Massimo; Martinelli Luca; Viviani Michele; Villa Diego; Enoizi Lucia;
Piaggio Benedetto
? Source Id: 91440
? Author Ids: 6507282370;57203641272;58090077400;56250522200;57204365897;57204360929
? Authoraffiliationids: 60025153;110039644;60025153;60025153;110039644;60025153
? Corresponding: Figari M.

58.

? Title: Design of ducted propeller nozzles through a RANSE-based optimization approach
? Venue: Ocean Engineering
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 64
? DOI: 10.1016/j.oceaneng.2017.09.037
? Scopus ID: 2-s2.0-85030663399
? Issn: 00298018
? Volume: 145
? Pages: 444-463
? Authors: Gaggero Stefano; Villa Diego; Tani Giorgio; Viviani Michele; Bertetta
Daniele
? Keywords: Accelerating nozzles | Decelerating nozzles | Ducted propellers | OpenFOAM
| Optimization | RANSE
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2017:
? Ocean Engineering (Q1, rank 15, percentile 84)
? Environmental Engineering (Q2, rank 31, percentile 73)
? Source Id: 28339

? Author Ids: 6503976905;56250522200;55355605100;58090077400;55334414300

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083109

? Corresponding: Gaggero S.

59.

? Title: Analysis of the asymmetric behavior of propeller?rudder system of twin screw ships by CFD

? Venue: Ocean Engineering

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 46

? DOI: 10.1016/j.oceaneng.2017.07.056

? Scopus ID: 2-s2.0-85026542077

? Issn: 00298018

? Volume: 143

? Pages: 269-281

? Authors: Muscari Roberto; Dubbioso Giulio; Viviani Michele; Di Mascio Andrea

? Keywords: Computational fluid dynamics | Flow straightening effect | Overlapping grids | Propeller?rudder interaction | Ship maneuvering

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2017:

? Ocean Engineering (Q1, rank 15, percentile 84)

? Environmental Engineering (Q2, rank 31, percentile 73)

? Source Id: 28339

? Author Ids: 6602598781;36543735000;58090077400;57204335402

? Authoraffiliationids: 60073821;60073821;119018381;60021199

? Corresponding: Muscari R.

60.

? Title: An extensive analysis of numerical ship self-propulsion prediction via a coupled BEM/RANS approach

? Venue: Applied Ocean Research

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 82

? DOI: 10.1016/j.apor.2017.05.005

? Scopus ID: 2-s2.0-85019962640

? Issn: 01411187

? Volume: 66

? Pages: 55-78

? Authors: Gaggero Stefano; Villa Diego; Viviani Michele

? Keywords: CFD simulations | Propeller body forces | RANS/BEM coupling approach | Ship self-propulsion

? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2017:

? Ocean Engineering (Q1, rank 18, percentile 81)

? Source Id: 26776

? Author Ids: 6503976905;56250522200;58090077400

? Authoraffiliationids: 60025153;60025153;60025153

- ? Corresponding: Gaggero S.
- 61.
- ? Title: Parametric Analysis of Ship Noise Spectra
 - ? Venue: IEEE Journal of Oceanic Engineering
 - ? Year: 2017
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 25
 - ? Doi: 10.1109/Joe.2016.2583798
 - ? Scopus ID: 2-s2.0-85027435343
 - ? Issn: 03649059
 - ? Volume: 42
 - ? Issue: 2
 - ? Pages: 424-438
 - ? Authors: Traverso Federico; Gaggero Tomaso; Tani Giorgio; Rizzuto Enrico; Trucco Andrea; Viviani Michele
 - ? Keywords: Cavitation noise | parametric analysis | ship noise spectrum
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 11, percentile 90)
 - ? Mechanical Engineering (Q1, rank 88, percentile 88)
 - ? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
 - 2017:
 - ? Ocean Engineering (Q1, rank 5, percentile 95)
 - ? Mechanical Engineering (Q1, rank 64, percentile 88)
 - ? Electrical and Electronic Engineering (Q1, rank 104, percentile 84) - ? Source Id: 17277
 - ? Author Ids: 6602210571;55212255700;55355605100;6602173744;7007035725;58090077400
 - ? Authoraffiliationids: 60025153;60025153;60025153;60017293;60025153-60102151;60025153
 - ? Corresponding: Traverso F.
- 62.
- ? Title: Efficient and multi-objective cavitating propeller optimization: An application to a high-speed craft
 - ? Venue: Applied Ocean Research
 - ? Year: 2017
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 60
 - ? DOI: 10.1016/j.apor.2017.01.018
 - ? Scopus ID: 2-s2.0-85012884181
 - ? Issn: 01411187
 - ? Volume: 64
 - ? Pages: 31-57
 - ? Authors: Gaggero Stefano; Tani Giorgio; Villa Diego; Viviani Michele; Ausonio Pierluigi; Travi Piero; Bizzarri Giovanni; Serra Francesco
 - ? Keywords: BEM | Cavitation tunnel measurements | Constrained optimization | Genetic algorithm | High-Speed propeller | Multi-objective optimization | Propeller | Propeller cavitation | RANSE
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 15, percentile 87)
 - 2017:
 - ? Ocean Engineering (Q1, rank 18, percentile 81) - ? Source Id: 26776

? Author Ids: 6503976905;55355605100;56250522200;58090077400;57193088176;57193089356;57193082661;57193082951

? Authoraffiliationids:

60025153;60025153;60025153;60025153;118017113;118017113;118017248;118017248

? Corresponding: Gaggero S.

63.

? Title: Optimization based design of high speed craft propellers

? Venue: Rina Royal Institution of Naval Architects International Conference on Design and Construction of Super and Mega Yachts 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-85064448330

? Authors: Gaggero S.; Tani G.; Villa D.; Viviani M.; Ausonio P.; Travi P.; Bizzarri G.; Serra F.

? Source Id: 21100903772

? Author Ids: 6503976905;55355605100;56250522200;58090077400;57193088176;57193089356;57193082661;57193082951

? Authoraffiliationids:

60025153;60025153;60025153;60025153;118017113;118017113;119074385;119074385

? Corresponding: Gaggero S.

64.

? Title: Propeller nozzles design using viscous codes and optimization algorithms

? Venue: 7th International Conference on Computational Methods in Marine Engineering Marine 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Scopus ID: 2-s2.0-85045688729

? Volume: 2017-May

? Pages: 243-255

? Authors: Gaggero Stefano; Villa Diego; Tani Giorgio; Viviani Michele

? Keywords: Accelerating nozzles design | Decelerating nozzles design | Ducted propellers | OpenFOAM | Optimization

? Source Id: 21100857769

? Author Ids: 6503976905;56250522200;55355605100;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero S.

65.

? Title: Two medium size cavitation tunnel hydro-acoustic benchmark experiment comparisons as part of a round robin test campaign

? Venue: Ocean Engineering

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 31

? DOI: 10.1016/j.oceaneng.2017.04.010

? Scopus ID: 2-s2.0-85018355417

? Issn: 00298018

? Volume: 138

? Pages: 179-207

? Authors: Tani Giorgio; Aktas Batuhan; Viviani Michele; Atlar Mehmet

? Keywords: Cavitation | Inclined shaft effect | Model tests | Round robin noise tests
| Systematic propeller tests | Underwater radiated noise

? Quartile:

2025:

- ? Ocean Engineering (Q1, rank 6, percentile 95)
- ? Environmental Engineering (Q1, rank 38, percentile 83)

2017:

- ? Ocean Engineering (Q1, rank 15, percentile 84)
- ? Environmental Engineering (Q2, rank 31, percentile 73)

? Source Id: 28339

? Author Ids: 55355605100;57072949400;58090077400;6701684164

? Authoraffiliationids: 60025153;60024724;60025153;60024724

? Corresponding: Tani G.

66.

? Title: Experimental investigation of pressure pulses and radiated noise for two alternative designs of the propeller of a high-speed craft

? Venue: Ocean Engineering

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 22

? DOI: 10.1016/j.oceaneng.2017.01.015

? Scopus ID: 2-s2.0-85010705180

? Issn: 00298018

? Volume: 132

? Pages: 45-69

? Authors: Tani Giorgio; Villa Diego; Gaggero Stefano; Viviani Michele; Ausonio Pierluigi; Travi Piero; Bizzarri Giovanni; Serra Francesco

? Keywords: Model scale experiments | Pressure pulses | Propeller cavitation | Propeller optimization | Radiated noise

? Quartile:

2025:

- ? Ocean Engineering (Q1, rank 6, percentile 95)
- ? Environmental Engineering (Q1, rank 38, percentile 83)

2017:

- ? Ocean Engineering (Q1, rank 15, percentile 84)
- ? Environmental Engineering (Q2, rank 31, percentile 73)

? Source Id: 28339

? Author Ids: 55355605100;56250522200;6503976905;58090077400;57193088176;57193089356;57193082661;57193082951

? Authoraffiliationids:

60025153;60025153;60025153;60025153;118017113;118017113;118017248;118017248

? Corresponding: Tani G.

67.

? Title: Direct scantling assessment of propeller blades

? Venue: Applied Ocean Research

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.1016/j.apor.2016.07.010

? Scopus ID: 2-s2.0-84981234363

? Issn: 01411187

? Volume: 59

? Pages: 589-605
? Authors: Bertoglio Chiara; Gaggero Stefano; Rizzo Cesare Mario; Viviani Michele
? Keywords: Bronze | CFD | Design | Fatigue assessment | FEM | Propeller | Scantling
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2016:
? Ocean Engineering (Q1, rank 18, percentile 79)
? Source Id: 26776
? Author Ids: 56419756400;6503976905;15072981100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bertoglio C.

68.
? Title: Cavitation tunnel acoustic characterisation and application to model propeller radiated noise measurements at different functioning conditions
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1177/1475090214563860
? Scopus ID: 2-s2.0-84965057146
? Issn: 14750902
? eISSN: 20413084
? Volume: 230
? Issue: 2
? Pages: 250-266
? Authors: Tani Giorgio; Viviani Michele; Armelloni Enrico; Nataletti Marco
? Keywords: cavitation | cavitation tunnel | experimental fluid dynamics | marine acoustics | marine propellers | model tests | Radiated noise
? Quartile:
2025:

? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2016:
? Ocean Engineering (Q2, rank 25, percentile 71)
? Mechanical Engineering (Q2, rank 161, percentile 70)
? Source Id: 25596
? Author Ids: 55355605100;58090077400;57211115712;55978646700
? Authoraffiliationids: 60025153;60025153;60004969;60025153-60108229
? Corresponding: Tani G.

69.
? Title: Propeller underwater radiated noise: A comparison between model scale measurements in two different facilities and full scale measurements
? Venue: Applied Ocean Research
? Year: 2016
? Type: Journal
? Subtype: Review
? Citations: 37
? DOI: 10.1016/j.apor.2016.01.007
? Scopus ID: 2-s2.0-84957069507
? Issn: 01411187
? Volume: 56

? Pages: 48-66

? Authors: Tani G.; Viviani M.; Hallander J.; Johansson T.; Rizzuto E.

? Keywords: Cavitation | Marine propulsion | Model scale measurements | Underwater acoustics | Underwater radiated noise

? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2016:

? Ocean Engineering (Q1, rank 18, percentile 79)

? Source Id: 26776

? Author Ids: 55355605100;58090077400;6506848509;56769041200;6602173744

? Authoraffiliationids: 60025153;60025153;60113104;60113104;60025153

? Corresponding: Tani G.

70.

? Title: Manoeuvring model and simulation of the non-linear dynamic interaction between tethered ship and tug during escort

? Venue: Maritime Transportation and Harvesting of Sea Resources

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Scopus ID: 2-s2.0-85055317705

? Volume: 1

? Pages: 95-104

? Authors: Piaggio B.; Martelli M.; Viviani M.; Figari M.

? Source Id: 21100886381

? Author Ids: 57204360929;55521641400;58090077400;6507282370

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Piaggio B.

71.

? Title: Ship propeller side effects: Pressure pulses and radiated noise

? Venue: Noise Mapping

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1515/noise-2016-0021

? Scopus ID: 2-s2.0-85029416512

? eISSN: 2084879X

? Volume: 3

? Issue: 1

? Pages: 295-315

? Authors: Gaggero Stefano; Gaggero Tomaso; Rizzuto Enrico; Tani Giorgio; Villa Diego; Viviani Michele

? Keywords: AQUO Project | Cavitation noise | Pressure pulses | Propeller side effects | Ship underwater noise

? Quartile:

2025:

? Urban Studies (Q1, rank 58, percentile 80)

? Acoustics and Ultrasonics (Q1, rank 11, percentile 80)

? Management, Monitoring, Policy and Law (Q2, rank 157, percentile 62)

? Source Id: 21100861552

? Author Ids: 6503976905;55212255700;6602173744;55355605100;56250522200;58090077400

? Authoraffiliationids: 60025153;60025153;60017293;60025153;60025153;60025153

- ? Corresponding: Gaggero S.
72.
? Title: Assessment of different methods for the prediction of marine propellers induced pressures
? Venue: Proceedings of 3rd International Conference on Maritime Technology and Engineering Martech 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1201/b21890-38
? Scopus ID: 2-s2.0-85016830947
? Volume: 1
? Pages: 269-278
? Authors: Gaggero S.; Tani G.; Villa D.; Viviani M.; Conti F.; Vaccaro C.
? Source Id: 21100804421
? Author Ids: 6503976905;55355605100;56250522200;58090077400;56865490700;56865744300
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083109;60083109
? Corresponding: Gaggero S.
73.
? Title: A simulation approach for planing boats propulsion and manoeuvrability
? Venue: Transactions of the Royal Institution of Naval Architects Part B International Journal of Small Craft Technology
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.3940/rina.ijsc.2016.b1.180
? Scopus ID: 2-s2.0-84994741708
? Issn: 17400694
? Volume: 158
? Pages: B-27-B-42
? Authors: Ircani A.; Martelli M.; Viviani M.; Altosole M.; Podenzana-Bonvino C.; Grassi D.
? Quartile:
2016:
? Ocean Engineering (Q4, rank 71, percentile 18)
? Civil and Structural Engineering (Q4, rank 232, percentile 10)
? Source Id: 5000154004
? Author Ids: 57191916408;55521641400;58090077400;13006187800;6507106439;36630335500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;119025636
? Corresponding: Ircani A.
74.
? Title: Statistical analysis of ship noise records
? Venue: ICSV 2016 23rd International Congress on Sound and Vibration from Ancient to Modern Acoustics
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-84987915602
? Authors: Traverso Federico; Gaggero Tomaso; Tani Giorgio; Viviani Michele; Villa Diego; Gaggero Stefano; Rizzuto Enrico; Trucco Andrea
? Source Id: 21100779036

? Author Ids: 6602210571;55212255700;55355605100;58090077400;56250522200;6503976905;6602173744;7007035725

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;60017293;60025153-60102151

? Corresponding: Traverso F.

75.

? Title: An improved wake description by higher order velocity statistical moments for single screw vessel

? Venue: Ocean Engineering

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 16

? DOI: 10.1016/j.oceaneng.2015.07.038

? Scopus ID: 2-s2.0-84941549014

? Issn: 00298018

? Volume: 108

? Pages: 181-190

? Authors: Pecoraro Andrea; Di Felice Fabio; Felli Mario; Salvatore Francesco; Viviani Michele

? Keywords: Flow separation | LDV | Propeller-hull interaction | Ship and propeller wake

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2015:

? Ocean Engineering (Q1, rank 17, percentile 81)

? Environmental Engineering (Q2, rank 32, percentile 68)

? Source Id: 28339

? Author Ids: 59864486800;6701473554;7003719021;56797801100;58090077400

? Authoraffiliationids: 60073821;60073821;60073821;60073821;60025153

? Corresponding: Pecoraro A.

76.

? Title: Model scale investigation of the effect of different speed reduction strategies on cavitating propeller radiated noise

? Venue: Mts IEEE Oceans 2015 Genova Discovering Sustainable Ocean Energy for A New World

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/OCEANS-Genova.2015.7271534

? Scopus ID: 2-s2.0-84957636444

? Authors: Tani Giorgio; Viviani Michele; Rizzuto Enrico

? Keywords: Cavitation | CP propellers | Experimental fluid dynamics | Radiated noise | Ships operations

? Source Id: 21100444318

? Author Ids: 55355605100;58090077400;6602173744

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Tani G.

77.

? Title: Method for estimating parameters of practical ship manoeuvring models based on the combination of RANSE computations and System Identification

? Venue: Applied Ocean Research
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 27
? DOI: 10.1016/j.apor.2015.06.005
? Scopus ID: 2-s2.0-84937213758
? ISSN: 01411187
? Volume: 52
? Pages: 274-294
? Authors: Bonci M.; Viviani M.; Broglia R.; Dubbioso G.

? Keywords: Computational Fluid Dynamics | Manoeuvrability | System based manoeuvrability models | System Identification

? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2015:

? Ocean Engineering (Q1, rank 14, percentile 84)

? Source Id: 26776

? Author Ids: 6602094537;58090077400;57191986905;36543735000

? Authoraffiliationids: 60025153;60025153;60073821;60073821

? Corresponding: Bonci M.

78.

? Title: Influence of propeller characteristics on propeller structural design

? Venue: Towards Green Marine Technology and Transport

? Year: 2015

? Type: Book

? Subtype: Book Chapter

? Citations: 0

? DOI: 10.1201/b18855

? Scopus ID: 2-s2.0-85054365007

? Pages: 59-66

? Authors: Bertoglio C.; Gaggero S.; Rizzo C. M.; Vaccaro C.; Viviani M.

? Source Id: 21100879745

? Author Ids: 56419756400;6503976905;15072981100;56865744300;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bertoglio C.

79.

? Title: Numerical prediction of hull force for low velocity manoeuvring

? Venue: 18th International Conference on Ships and Shipping Research Nav 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Scopus ID: 2-s2.0-85012886756

? Pages: 284-295

? Authors: Bruzzone Dario; Ruscelli Danilo; Villa Diego; Vivani Michele

? Source Id: 21100795196

? Author Ids: 6602292559;25926060700;56250522200;58090077400

? Authoraffiliationids: 60025153;60122238;60025153;60025153

? Corresponding: Bruzzone D.

80.

? Title: Influence of propeller characteristics on propeller structural design

? Venue: Towards Green Marine Technology and Transport Proceedings of the 16th

International Congress of the International Maritime Association of the Mediterranean
Imam 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? DOI: 10.1201/b18855-9

? Scopus ID: 2-s2.0-84959570522

? Pages: 59-66

? Authors: Bertoglio C.; Gaggero S.; Rizzo C. M.; Vaccaro C.; Viviani M.

? Source Id: 21101009879

? Author Ids: 56419756400;6503976905;15072981100;56865744300;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bertoglio C.

81.

? Title: Improvements in fatigue strength assessment of marine propellers

? Venue: Analysis and Design of Marine Structures Proceedings of the 5th International Conference on Marine Structures Marstruct 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? DOI: 10.1201/b18179-30

? Scopus ID: 2-s2.0-84942090946

? Pages: 213-224

? Authors: Bertoglio C.; Gaggero S.; Rizzo C. M.; Viviani M.; Vaccaro C.; Conti F.

? Source Id: 21101005766

? Author Ids: 56419756400;6503976905;15072981100;58090077400;56865744300;56865490700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60083109

? Corresponding: Bertoglio C.

82.

? Title: Experimental and numerical investigations for modelling propeller cavitation noise

? Venue: Maritime Technology and Engineering Proceedings of Martech 2014 2nd International Conference on Maritime Technology and Engineering

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? DOI: 10.1201/b17494-93

? Scopus ID: 2-s2.0-84941710372

? Pages: 695-704

? Authors: Gaggero S.; Gaggero T.; Rizzato E.; Tani G.; Villa D.; Viviani M.; Haimov E.; Hallander J.

? Source Id: 21100986078

? Author Ids: 6503976905;55212255700;6602173744;55355605100;56250522200;58090077400;56865776300;6506848509

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60025153;119080767;60113104

? Corresponding: Gaggero S.

83.

? Title: The Kriso container ship (KCS) test case: An open source overview

? Venue: Marine 2015 Computational Methods in Marine Engineering Vi

? Year: 2015

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 26
? Scopus ID: 2-s2.0-84938851772
? Pages: 735-749
? Authors: Gaggero Stefano; Villa Diego; Viviani Michele
? Keywords: CFD | KCS | OpenFOAM | Propellers | Self-propulsion
? Source Id: 21100403413
? Author Ids: 6503976905;56250522200;58090077400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero S.

84.

? Title: A study on the numerical prediction of propellers cavitating tip vortex
? Venue: Ocean Engineering
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 120
? DOI: 10.1016/j.oceaneng.2014.09.042
? Scopus ID: 2-s2.0-84908451690
? Issn: 00298018
? Volume: 92
? Pages: 137-161
? Authors: Gaggero Stefano; Tani Giorgio; Viviani Michele; Conti Francesco
? Keywords: Cavitation | CFD | CP propeller | Ducted propeller | Marine propulsion | RANS
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2014:
? Ocean Engineering (Q1, rank 14, percentile 84)
? Environmental Engineering (Q2, rank 28, percentile 72)
? Source Id: 28339
? Author Ids: 6503976905;55355605100;58090077400;56865490700
? Authoraffiliationids: 60025153;60025153;60083109;60083109
? Corresponding: Gaggero S.

85.

? Title: Numerical modelling of propulsion, control and ship motions in 6 degrees of freedom
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 55
? Doi: 10.1177/1475090214544181
? Scopus ID: 2-s2.0-84927770471
? Issn: 14750902
? eISSN: 20413084
? Volume: 228
? Issue: 4
? Pages: 373-397
? Authors: Martelli Michele; Viviani Michele; Altosole Marco; Figari Massimo; Vignolo

Stefano

? Keywords: Manoeuvrability | Marine engine | Propulsion control simulation | Rudder |

Sea trials | Ship motions

? Quartile:

2025:

? Ocean Engineering (Q2, rank 37, percentile 68)

? Mechanical Engineering (Q2, rank 249, percentile 66)

2014:

? Ocean Engineering (Q2, rank 30, percentile 65)

? Mechanical Engineering (Q2, rank 212, percentile 59)

? Source Id: 25596

? Author Ids: 55521641400;58090077400;13006187800;6507282370;6602505719

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Martelli M.

86.

? Title: Ship wake scaling and effect on propeller performances

? Venue: Developments in Maritime Transportation and Exploitation of Sea Resources

Proceedings of Imam 2013 15th International Congress of the International Maritime

Association of the Mediterranean

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 15

? Scopus ID: 2-s2.0-84894420929

? Volume: 1

? Pages: 13-21

? Authors: Gaggero Stefano; Villa Diego; Viviani Michele; Rizzuto Enrico

? Source Id: 21100286947

? Author Ids: 6503976905;56250522200;58090077400;6602173744

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaggero S.

87.

? Title: Erratum: Fatigue strength assessment of propellers by means of weakly coupled cfd and fem analyses (Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE DOI: 10.1115/OMAE2014-24655e)

? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE

? Year: 2014

? Type: Conference Proceeding

? Subtype: Erratum

? Citations: 0

? Doi: 10.1115/Omae2014-24655

? Scopus ID: 2-s2.0-85150731919

? Volume: 7

? Authors: Bertoglio Chiara; Gaggero Stefano; Rizzo Cesare M.; Viviani Michele

? Source Id: 91440

? Author Ids: 56419756400;6503976905;15072981100;58090077400

? Corresponding: Bertoglio C.

88.

? Title: Experimental analysis of the influence of ship wake scaling on marine propeller radiated noise and pressure pulses

? Venue: 21st International Congress on Sound and Vibration 2014 Icsv 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-84922615114
? Volume: 3
? Pages: 2206-2213
? Authors: Rizzuto Enrico; Tani Giorgio; Viviani Michele
? Source Id: 21100372157
? Author Ids: 6602173744;55355605100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Rizzuto E.

89.

? Title: An investigation on the discrepancies between RANSE and BEM approaches for the prediction of marine propeller unsteady performances in strongly non-homogeneous wakes
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 30
? Doi: 10.1115/Omae2014-23831
? Scopus ID: 2-s2.0-84911932343
? Volume: 2
? Authors: Gaggero Stefano; Villa Diego; Viviani Michele
? Source Id: 91440
? Author Ids: 6503976905;56250522200;58090077400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero S.

90.

? Title: Fatigue strength assessment of propellers by means of weakly coupled CFD and fem analyses
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1115/Omae2014-24655
? Scopus ID: 2-s2.0-84911163702
? Volume: 7
? Authors: Bertoglio Chiara; Gaggero Stefano; Rizzo Cesare M.; Viviani Michele
? Source Id: 91440
? Author Ids: 56419756400;6503976905;15072981100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bertoglio C.

91.

? Title: Numerical analysis of the ship propulsion control system effect on manoeuvring characteristics in model and full scale marine 2013
? Venue: Computational Methods in Marine Engineering V Proceedings of the 5th International Conference on Computational Methods in Marine Engineering Marine 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84891362895

? Pages: 400-411
? Authors: Altosole M.; Figari M.; Martelli M.; Nataletti M.; Vignolo S.; Viviani M.
? Keywords: Control system | Marine propulsion plant | Model and full scale tests | Numerical simulation | Ship manoeuvrability
? Source Id: 21100277019
? Author Ids: 13006187800;6507282370;55521641400;55978646700;6602505719;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Altosole M.

92.

? Title: Comparison of different approaches for the design and analysis of ducted propellers
? Venue: Computational Methods in Marine Engineering V Proceedings of the 5th International Conference on Computational Methods in Marine Engineering Marine 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-84891353237
? Pages: 723-736
? Authors: Gaggero Stefano; Viviani Michele; Tani Giorgio; Conti Francesco; Becchi Paolo; Valdenazzi Federica
? Keywords: Decelerating ducted propellers design | Panel method | RANS
? Source Id: 21100277019
? Author Ids: 6503976905;58090077400;55355605100;56865490700;12784057800;55978581700
? Authoraffiliationids: 60025153;60025153;60025153;60083109;60122238;60122238
? Corresponding: Gaggero S.

93.

? Title: Analysis of twin screw ships' asymmetric propeller behaviour by means of free running model tests
? Venue: Ocean Engineering
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 73
? DOI: 10.1016/j.oceaneng.2013.04.013
? Scopus ID: 2-s2.0-84878459081
? Issn: 00298018
? Volume: 68
? Pages: 47-64
? Authors: Coraddu A.; Dubbioso G.; Mauro S.; Viviani M.
? Keywords: Manoeuvrability | Propulsion | Ship control systems | Twin screw ships | Warships
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2013:
? Ocean Engineering (Q1, rank 13, percentile 85)
? Environmental Engineering (Q2, rank 27, percentile 72)
? Source Id: 28339
? Author Ids: 55193514900;36543735000;7003352547;58090077400
? Authoraffiliationids: 60025153;60073821;60073821;60025153
? Corresponding: Coraddu A.

94.

- ? Title: Virtual arrival: A real option for energy saving?
? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-84882386695
? Issn: 14798751
? eISSN: 17400716
? Volume: 155
? Issue: Part A2
? Pages: 89-95
? Authors: Capurso V.; Ferrando M.; Gualeni P.; Viviani M.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 80, percentile 31)
? Environmental Engineering (Q3, rank 167, percentile 26)
2013:
? Ocean Engineering (Q3, rank 53, percentile 39)
? Environmental Engineering (Q4, rank 74, percentile 24)
? Source Id: 5000154003
? Author Ids: 55827599000;7006903025;15057843300;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Capurso V.
95.
? Title: Detection of anomalous operation of driveline components in a cavitation tunnel for marine propellers
? Venue: 10th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies 2013 CM 2013 and Mfpt 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84905823634
? Volume: 1
? Pages: 35-46
? Authors: Lucifredi A.; Silvestri P.; Ferrari A.; Tani G.; Viviani M.; Raineri A.
? Source Id: 21100328231
? Author Ids: 6602423791;6603616075;57199836867;55355605100;58090077400;56319180700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Lucifredi A.
96.
? Title: Virtual arrival: A real option for energy saving
? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering
? Year: 2013
? Type: Journal
? Subtype: Note
? Citations: 0
? Scopus ID: 2-s2.0-84902355940
? Issn: 14798751
? eISSN: 17400716
? Volume: 155

? Issue: Part A4
? Pages: A221
? Authors: Capurso V.; Ferrando M.; Gualeni P.; Viviani M.

? Quartile:
2025:

? Ocean Engineering (Q3, rank 80, percentile 31)
? Environmental Engineering (Q3, rank 167, percentile 26)

2013:

? Ocean Engineering (Q3, rank 53, percentile 39)
? Environmental Engineering (Q4, rank 74, percentile 24)

? Source Id: 5000154003
? Author Ids: 55827599000;7006903025;15057843300;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Capurso V.

97.

? Title: Integration of numerical modeling and simulation techniques for the analysis of towing operations of cargo ships

? Venue: International Review of Mechanical Engineering

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 20

? Scopus ID: 2-s2.0-84892416122

? Issn: 19708734

? eISSN: 25325655

? Volume: 7

? Issue: 7

? Pages: 1236-1245

? Authors: Altosole Marco; Boote Dario; Brizzolara Stefano; Viviani Michele

? Keywords: CFD | Ship dynamics | Time domain simulation | Towing operations | Wind action

? Quartile:

2025:

? Architecture (Q2, rank 64, percentile 69)
? Agricultural and Biological Sciences (miscellaneous) (Q3, rank 134, percentile 45)
? Automotive Engineering (Q3, rank 84, percentile 38)
? Fluid Flow and Transfer Processes (Q3, rank 63, percentile 35)
? Mechanical Engineering (Q3, rank 480, percentile 34)
? Engineering (all) (Q3, rank 233, percentile 32)
? Materials Science (miscellaneous) (Q3, rank 167, percentile 32)

2013:

? Mechanical Engineering (Q2, rank 251, percentile 50)

? Source Id: 19500156811

? Author Ids: 13006187800;56214807300;6603210760;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Altosole M.

98.

? Title: An overview of planing monohulls transverse dynamic stability and possible implications with static intact stability rules

? Venue: Transactions of the Royal Institution of Naval Architects Part B International Journal of Small Craft Technology

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 7
? DOI: 10.3940/rina.ijsc.2012.b2.134
? Scopus ID: 2-s2.0-84879943705
? Issn: 17400694
? Volume: 154
? Issue: Part B2
? Pages: B73-B86

? Authors: Ruscelli D.; Gualeni P.; Viviani M.

? Quartile:

2013:

? Ocean Engineering (Q2, rank 41, percentile 53)
? Civil and Structural Engineering (Q3, rank 136, percentile 39)

? Source Id: 5000154004

? Author Ids: 25926060700;15057843300;58090077400

? Authoraffiliationids: 60122238;60025153;60025153

? Corresponding: Ruscelli D.

99.

? Title: Numerical and experimental optimization of a CP propeller at different pitch settings

? Venue: Sustainable Maritime Transportation and Exploitation of Sea Resources Proceedings of the 14th International Congress of the International Maritime Association of the Mediterranean Imam 2011

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Scopus ID: 2-s2.0-84896831719

? Volume: 1

? Pages: 37-46

? Authors: Bertetta D.; Brizzolara S.; Gaggero S.; Viviani M.; Savio L.

? Source Id: 21100291826

? Author Ids: 55334414300;6603210760;6503976905;58090077400;36631104100

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60013141

? Corresponding: Bertetta D.

100.

? Title: EFD and CFD design and analysis of a propeller in decelerating duct

? Venue: International Journal of Rotating Machinery

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 32

? Doi: 10.1155/2012/823831

? Scopus ID: 2-s2.0-84872135567

? Issn: 1023621x

? eISSN: 15423034

? Volume: 2012

? Authors: Gaggero Stefano; Rizzo Cesare M.; Tani Giorgio; Viviani Michele

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q3, rank 229, percentile 44)

? Mechanical Engineering (Q3, rank 454, percentile 38)

2012:

? Industrial and Manufacturing Engineering (Q2, rank 127, percentile 54)

? Mechanical Engineering (Q3, rank 281, percentile 44)

? Source Id: 4000149611
? Author Ids: 6503976905;15072981100;55355605100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gaggero S.

101.

? Title: CPP propeller cavitation and noise optimization at different pitches with panel code and validation by cavitation tunnel measurements
? Venue: Ocean Engineering
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 97
? DOI: 10.1016/j.oceaneng.2012.06.026
? Scopus ID: 2-s2.0-84865207157
? Issn: 00298018
? Volume: 53
? Pages: 177-195
? Authors: Bertetta D.; Brizzolara S.; Gaggero S.; Viviani M.; Savio L.
? Keywords: CFD | Optimization | Panel method | Propellers | Unsteady flow

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)

2012:

? Ocean Engineering (Q1, rank 12, percentile 86)
? Environmental Engineering (Q2, rank 25, percentile 73)

? Source Id: 28339

? Author Ids: 55334414300;6603210760;6503976905;58090077400;36631104100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60013141
? Corresponding: Bertetta D.

102.

? Title: Simulations of a sloshing experiment by FEM CFD and FEM FSI approaches
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Scopus ID: 2-s2.0-84866070604
? Issn: 10986189
? eISSN: 15551792
? Pages: 530-537
? Authors: Fossa Mattia; Rizzo Cesare M.; Tani Giorgio; Viviani Michele
? Keywords: Computational Fluid Dynamics (CFD) | Finite Element Method (FEM) | Fluid Structure Interaction (FSI) | Impact loads | Sloshing

? Quartile:

2025:

? Energy Engineering and Power Technology (Q4, rank 273, percentile 16)
? Ocean Engineering (Q4, rank 101, percentile 13)
? Mechanical Engineering (Q4, rank 650, percentile 11)

2012:

? Ocean Engineering (Q3, rank 47, percentile 45)
? Energy Engineering and Power Technology (Q3, rank 91, percentile 43)
? Mechanical Engineering (Q3, rank 323, percentile 35)

? Source Id: 77392

- ? Author Ids: 55356677300;15072981100;55355605100;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fossa M.
- 103.
- ? Title: EFD and CFD characterization of a CLT propeller
? Venue: International Journal of Rotating Machinery
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 44
? Doi: 10.1155/2012/348939
? Scopus ID: 2-s2.0-84864936222
? Issn: 1023621x
? eISSN: 15423034
? Volume: 2012
? Authors: Bertetta Daniele; Brizzolara Stefano; Canepa Edward; Gaggero Stefano; Viviani Michele
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q3, rank 229, percentile 44)
? Mechanical Engineering (Q3, rank 454, percentile 38)
2012:
? Industrial and Manufacturing Engineering (Q2, rank 127, percentile 54)
? Mechanical Engineering (Q3, rank 281, percentile 44)
? Source Id: 4000149611
? Author Ids: 55334414300;6603210760;55781768700;6503976905;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bertetta D.
- 104.
- ? Title: Aspects of twin screw ships semi-empirical maneuvering models
? Venue: Ocean Engineering
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 24
? DOI: 10.1016/j.oceaneng.2012.03.007
? Scopus ID: 2-s2.0-84861148195
? Issn: 00298018
? Volume: 48
? Pages: 69-80
? Authors: Dubbioso G.; Viviani M.
? Keywords: Hull appendages | Manoeuvrability | Naval ships | Simulation | System based semiempirical methods
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2012:
? Ocean Engineering (Q1, rank 12, percentile 86)
? Environmental Engineering (Q2, rank 25, percentile 73)
? Source Id: 28339
? Author Ids: 36543735000;58090077400
? Authoraffiliationids: 60073821;60025153
? Corresponding: Dubbioso G.

105.

- ? Title: Comparison of experimental and numerical sloshing loads in partially filled tanks
- ? Venue: Ships and Offshore Structures
- ? Year: 2012
- ? Type: Journal
- ? Subtype: Note
- ? Citations: 0
- ? Doi: 10.1080/17445302.2012.659084
- ? Scopus ID: 2-s2.0-84863406174
- ? Issn: 17445302
- ? Volume: 7
- ? Issue: 1
- ? Pages: 1
- ? Authors: Brizzolara S.; Savio L.; Viviani Michele; Chen P.; Temarel P.; Couty N.; Hoflack S.; Diebold L.; Moirod N.; Souto Iglesias A.
- ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q2, rank 33, percentile 71)
 - ? Mechanical Engineering (Q2, rank 235, percentile 68)
 - 2012:
 - ? Ocean Engineering (Q2, rank 36, percentile 58)
 - ? Mechanical Engineering (Q3, rank 267, percentile 46)
- ? Source Id: 19700186818
- ? Author Ids: 6603210760;36631104100;58090077400;55290854500;6602854329;6507945384;35085077200;24830321800;23009137200;14036463600
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Brizzolara S.

106.

- ? Title: Cavitation tunnel tests on ducted propellers
- ? Venue: Nav International Conference on Ship and Shipping Research
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 5
- ? Scopus ID: 2-s2.0-84911886883
- ? Issn: 22828397
- ? Volume: 0
- ? Authors: Bertetta Daniele; Bertoglio Chiara; Conti Francesco; Rizzo Cesare M.; Viviani Michele
- ? Source Id: 21100875435
- ? Author Ids: 55334414300;56419756400;56865490700;15072981100;58090077400
- ? Authoraffiliationids: 60025153;60025153;60083109;60025153;60025153
- ? Corresponding: Bertetta D.

107.

- ? Title: Investigation of twin-screw naval ships maneuverability behavior
- ? Venue: Transactions Society of Naval Architects and Marine Engineers
- ? Year: 2011
- ? Type: Journal
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Scopus ID: 2-s2.0-84874094505
- ? Issn: 00811661

- ? Volume: 119
? Pages: 503-530
? Authors: Di Mascio Andrea; Dubbioso Giulio; Notaro Chiara; Viviani Michele
? Keywords: Computational fluid dynamics | Hull form | Hydrodynamics | Maneuvering | Naval ships | System identification
? Quartile:
2011:
? Ocean Engineering (Q2, rank 35, percentile 58)
? Source Id: 27362
? Author Ids: 57204335402;36543735000;54795723300;58090077400
? Authoraffiliationids: 60073821;60073821;60122238;60025153
? Corresponding: Di Mascio A.
108.
? Title: Investigation of twin-screw naval ships maneuverability behavior
? Venue: Journal of Ship Research
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 26
? Doi: 10.5957/Josr.55.4.090031
? Scopus ID: 2-s2.0-84555190266
? Issn: 00224502
? Volume: 55
? Issue: 4
? Pages: 221-248
? Authors: Di Mascio Andrea; Dubbioso Giulio; Notaro Chiara; Viviani Michele
? Keywords: Computational fluid dynamics | Hull form | Hydrodynamics | Maneuvering | Naval ships | System identification
? Quartile:
2025:
? Numerical Analysis (Q2, rank 37, percentile 59)
? Applied Mathematics (Q2, rank 273, percentile 59)
? Ocean Engineering (Q2, rank 57, percentile 51)
? Mechanical Engineering (Q3, rank 381, percentile 48)
? Civil and Structural Engineering (Q3, rank 231, percentile 44)
- 2011:
? Ocean Engineering (Q2, rank 23, percentile 72)
? Civil and Structural Engineering (Q2, rank 73, percentile 65)
? Mechanical Engineering (Q2, rank 171, percentile 64)
? Applied Mathematics (Q3, rank 196, percentile 48)
? Numerical Analysis (Q3, rank 22, percentile 44)
? Source Id: 25663
? Author Ids: 57204335402;36543735000;54795723300;58090077400
? Authoraffiliationids: 60073821;60073821;60122238;60025153
? Corresponding: Di Mascio A.
109.
? Title: Numerical and experimental optimization of a CP propeller at different pitch settings
? Venue: Sustainable Maritime Transportation and Exploitation of Sea Resources
? Year: 2011
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Scopus ID: 2-s2.0-85052521910

- ? Pages: 37-46
? Authors: Bertetta D.; Brizzolara S.; Gaggero S.; Viviani M.; Savio L.
? Source Id: 21100894060
? Author Ids: 55334414300;6603210760;6503976905;58090077400;36631104100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60013141
? Corresponding: Bertetta D.
- 110.
- ? Title: Off-design propulsion power plant investigations by means of free running manoeuvring ship model test and simulation techniques
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-80052779973
? Issn: 10986189
? eISSN: 15551792
? Pages: 943-950
? Authors: Dubbioso Giulio; Mauro Salvatore; Viviani Michele
? Keywords: Blade element momentum model | Free running model tests | Propeller asymmetrical loading modelling | Propulsion | Simulation | Twin screw vessels manoeuvring
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 273, percentile 16)
? Ocean Engineering (Q4, rank 101, percentile 13)
? Mechanical Engineering (Q4, rank 650, percentile 11)
2011:
? Ocean Engineering (Q2, rank 42, percentile 50)
? Energy Engineering and Power Technology (Q3, rank 91, percentile 41)
? Mechanical Engineering (Q3, rank 312, percentile 35)
? Source Id: 77392
? Author Ids: 36543735000;7003352547;58090077400
? Authoraffiliationids: 60073821;60073821;60025153
? Corresponding: Dubbioso G.
- 111.
- ? Title: Comparison of experimental and numerical sloshing loads in partially filled tanks
? Venue: Ships and Offshore Structures
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 50
? Doi: 10.1080/17445302.2010.522372
? Scopus ID: 2-s2.0-79951781741
? Issn: 17445302
? Volume: 6
? Issue: 1-2
? Pages: 15-43
? Authors: Brizzolara S.; Savio L.; Viviani M.; Chen Y.; Temarel P.; Couty N.; Hoflack S.; Diebold L.; Moirod N.; Iglesias A. Souto
? Keywords: CFD | RANS | Sloshing | SPH
? Quartile:
2025:

? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
2011:
? Ocean Engineering (Q2, rank 38, percentile 54)
? Mechanical Engineering (Q3, rank 275, percentile 43)
? Source Id: 19700186818
? Author Ids: 6603210760;36631104100;58090077400;12242756300;6602854329;6507945384;35085077200;24830321800;23009137200;57196523110
? Authoraffiliationids: 60025153;60025153;60025153;60025225;60025225;110030717;110030717;60007398;60007398;60028442
? Corresponding: Brizzolara S.

112.

? Title: Automatic parametric hull form optimization of fast naval vessels
? Venue: 11th International Conference on Fast Sea Transportation Fast 2011 Proceedings
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 24
? Scopus ID: 2-s2.0-84922814640
? Pages: 294-301
? Authors: Biliotti Iacopo; Brizzolara Stefano; Viviani Michele; Vernengo Giuliano; Ruscelli Danilo; Galliussi Mauro; Guadalupi Domenico; Manfredini Andrea
? Keywords: Fast naval vessels | Hull parametric modeling | Hydrodynamic optimization | Model tests | Wave resistance
? Source Id: 21100372540
? Author Ids: 56516908300;6603210760;58090077400;37662376400;25926060700;55053264000;55603310800;55533816000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60122238;115007327;115007327;115007327
? Corresponding: Biliotti I.

113.

? Title: Investigation of asymmetrical shaft power increase during ship maneuvers by means of simulation techniques
? Venue: 11th International Symposium on Practical Design of Ships and Other Floating Structures Prads 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-84871388232
? Volume: 1
? Pages: 172-181
? Authors: Dubbioso G.; Coraddu A.; Viviani M.; Figari M.; Mauro S.; Depascale R.; Menna A.; Manfredini A.
? Keywords: Automation | Maneuverability | Propulsion plant | Simulation
? Source Id: 21100223544
? Author Ids: 36543735000;55193514900;58090077400;6507282370;7003352547;13006903600;5533319100;55533816000
? Authoraffiliationids: ;60025153;60025153;60025153;60073821;60083109;113277471;113277471
? Corresponding: Dubbioso G.

114.

? Title: Simulation of the dynamic behaviour of a codlag propulsion plant
? Venue: Rina Royal Institution of Naval Architects Warship 2010 Advanced Technologies

in Naval Design and Construction Papers

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 24

? Scopus ID: 2-s2.0-77956972270

? Pages: 109-115

? Authors: Altosole M.; Dubbioso G.; Figari M.; Viviani M.; Michetti S.; Millerani

Trapani A.

? Source Id: 19700180705

? Author Ids: 13006187800;36543735000;6507282370;58090077400;36544105400;36544224400

? Authoraffiliationids: 60025153;60025153;60025153;60025153;109536422-109536273;

? Corresponding: Altosole M.

115.

? Title: Design and analysis of counter-rotating propellers-comparison of numerical and experimental results

? Venue: Journal of Hydrodynamics

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 25

? Doi: 10.1016/S1001-6058(09)60254-7

? Scopus ID: 2-s2.0-78449300758

? Issn: 10016058

? Volume: 22

? Issue: 5 Suppl. 1

? Pages: 570-576

? Authors: Grassi Davide; Brizzolara Stefano; Viviani Michele; Savio Luca; Caviglia Sara

? Keywords: Contra-rotating | Stern thrusters

? Quartile:

2025:

? Modeling and Simulation (Q1, rank 42, percentile 88)

? Mechanical Engineering (Q1, rank 136, percentile 81)

? Condensed Matter Physics (Q1, rank 89, percentile 80)

? Mechanics of Materials (Q1, rank 95, percentile 77)

? Source Id: 28521

? Author Ids: 36630335500;6603210760;58090077400;36631104100;57203384080

? Authoraffiliationids: 121839892;60025153;60025153;60025153;60025153

? Corresponding: Grassi D.

116.

? Title: Comparison of experimental and numerical sloshing loads in partially filled tanks

? Venue: Analysis and Design of Marine Structures Including Cd Rom

? Year: 2009

? Type: Book

? Subtype: Book Chapter

? Citations: 1

? Scopus ID: 2-s2.0-85056037768

? Pages: 13-26

? Authors: Brizzolara S.; Savio L.; Viviani M.; Chen Y.; Temarel P.; Couty N.; Hoflack S.; Diebold L.; Moirod N.; Iglesias A. Souto

? Source Id: 21100884643

? Author Ids: 6603210760;36631104100;58090077400;12242756300;6602854329;6507945384;3508

5077200;24830321800;23009137200;57196523110

? Authoraffiliationids: 60025153;60025153;60025153;60025225;60025225;112595924;11259592

4;60007398;60007398;60028442

? Corresponding: Brizzolara S.

117.

? Title: Comparison of experimental and numerical sloshing loads in partially filled tanks

? Venue: Proceedings of Marstruct 2009 2nd International Conference on Marine Structures Analysis and Design of Marine Structures

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Scopus ID: 2-s2.0-70349321437

? Pages: 13-26

? Authors: Brizzolara S.; Savio L.; Viviani M.; Chen Y.; Temarel P.; Couty N.; Hoflack S.; Diebold L.; Moirod N.; Iglesias A. Souto

? Source Id: 19300156924

? Author Ids: 6603210760;36631104100;58090077400;12242756300;6602854329;6507945384;35085077200;24830321800;23009137200;57196523110

? Authoraffiliationids:

60025153;60025153;60025153;60025225;60025225;;60007398;60007398;60028442

? Corresponding: Brizzolara S.

118.

? Title: Evaluation of slamming loads using smoothed particle hydrodynamics and Reynolds-averaged Navier-Stokes methods

? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 12

? Doi: 10.1243/14750902jeme131

? Scopus ID: 2-s2.0-69249107782

? Issn: 14750902

? Volume: 223

? Issue: 1

? Pages: 17-31

? Authors: Viviani M.; Brizzolara S.; Savio L.

? Keywords: Computational fluid dynamics | Naval architecture | Ship hydrodynamics | Slamming | Smooth particle hydrodynamics

? Quartile:

2025:

? Ocean Engineering (Q2, rank 37, percentile 68)

? Mechanical Engineering (Q2, rank 249, percentile 66)

? Source Id: 25596

? Author Ids: 58090077400;6603210760;36631104100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Viviani M.

119.

? Title: A momentum theory approach to the seakeeping of planing crafts

? Venue: Royal Institution of Naval Architects 8th Symposium on High Speed Marine Vehicles Hsmv 2008

? Year: 2008

- ? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-57749121518
? Pages: 37-46
? Authors: Sebastiani L.; Ruscelli D.; Rambaldi G.; Viviani M.
? Source Id: 13900154708
? Author Ids: 57213581633;25926060700;24582161100;58090077400
? Authoraffiliationids: 60122238;60122238;60025153;60025153
? Corresponding: Sebastiani L.
120.
? Title: Comparison of experimental and numerical loads on an impacting bow section
? Venue: Ships and Offshore Structures
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 37
? Doi: 10.1080/17445300802371162
? Scopus ID: 2-s2.0-70349307731
? Issn: 17445302
? Volume: 3
? Issue: 4
? Pages: 305-324
? Authors: Brizzolara S.; Couty N.; Hermundstad O.; Ioan A.; Kukkanen T.; Viviani M.; Temarel P.
? Keywords: CFD | MARSTRUCT | Pressures | Slamming
? Quartile:
2025:
? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
? Source Id: 19700186818
? Author Ids:
6603210760;6507945384;6508303598;36806088800;6506593793;58090077400;6602854329
? Authoraffiliationids: 60025153;;60013141;60008717;60033191;60025153;60025225
? Corresponding: Brizzolara S.
121.
? Title: Evaluation of slamming loads on a wedge-shaped section at different heel angles adopting SPH and RANSE methods
? Venue: Maritime Industry Ocean Engineering and Coastal Resources Proceedings of the 12th International Congress of the International Maritime Association of the Mediterranean Imam 2007
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-84859962453
? Volume: 1
? Pages: 107-115
? Authors: Viviani M.; Brizzolara S.; Savio L.
? Source Id: 21100201036
? Author Ids: 58090077400;6603210760;36631104100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Viviani M.
- 122.

? Title: A practical method for the prediction of planing craft motions in regular and irregular waves
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 32
? Doi: 10.1115/Omae2008-57946
? Scopus ID: 2-s2.0-77958015934
? Volume: 4
? Pages: 687-696
? Authors: Sebastianii Luca; Bruzzone Dario; Gualeni Paola; Rambaldi Guido; Ruscelli Danilo; Viviani Michele
? Source Id: 91440
? Author Ids: 57213581633;6602292559;15057843300;24582161100;25926060700;58090077400
? Authoraffiliationids: 60122238;60025153;60025153;60025153;60122238;60025153
? Corresponding: Sebastianii L.

123.

? Title: A coupled DBE/FE analysis for the prediction of propeller induced pressure and vibration on the ship hull
? Venue: 23rd International Conference on Noise and Vibration Engineering 2008 ISMA 2008
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84906345767
? Volume: 7
? Pages: 3985-3999
? Authors: Annicchiarico C.; Salio M. P.; Viviani M.
? Source Id: 21100497309
? Author Ids: 56333621900;55332828700;58090077400
? Authoraffiliationids: 60122238;60025153;60025153
? Corresponding: Annicchiarico C.

124.

? Title: Analysis of asymmetrical shaft power increase during tight maneuvers
? Venue: 10th International Symposium on Practical Design of Ships and Other Floating Structures Prads 2007
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-84886677583
? Volume: 1
? Pages: 149-157
? Authors: Viviani M.; Podenzana Bonvino C.; Mauro S.; Cerruti M.; Guadalupi D.; Menna A.
? Keywords: Hydrodynamics | Maneuvering | Propulsion | Sea trials
? Source Id: 21100264860
? Author Ids: 58090077400;6507106439;7003352547;55533287300;55603310800;55533319100
? Authoraffiliationids: 60025153;60025153;60073821;60083109;113277471;113277471
? Corresponding: Viviani M.

125.

? Title: Analysis of asymmetrical shaft power increase during tight manoeuvres
? Venue: 9th International Conference on Fast Sea Transportation Fast 2007
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 25
? Scopus ID: 2-s2.0-84874171695
? Pages: 520-528
? Authors: Viviani Michele; Bonvino Carlo Podenzana; Mauro Salvatore; Cerruti Marco; Guadalupi D.; Menna A.
? Keywords: Hydrodynamics | Maneuvering | Model tests | Propulsion | Sea trials
? Source Id: 21100229186
? Author Ids: 58090077400;55602588400;7003352547;55533287300;55603310800;55533319100
? Authoraffiliationids: 60025153;60025153;60073821;60083109;113277471;113277471
? Corresponding: Viviani M.

126.

? Title: Comparison of experimental and numerical impact loads on ship-like sections
? Venue: Advancements in Marine Structures Proceedings of Marstruct 2007 the 1st International Conference on Marine Structures
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 22
? Scopus ID: 2-s2.0-77956778926
? Pages: 339-349
? Authors: Ioan A.; Brizzolara S.; Viviani M.; Couty N.; Donner R.; Hermundstad O.; Kukkanen T.; Malenica S.; Temarel P.
? Source Id: 21100198532
? Author Ids: 36806088800;6603210760;58090077400;6507945384;55054540200;6508303598;6506593793;6701696329;6602854329
? Authoraffiliationids: 60008717;60025153;60025153;106122164;106122164;60013141;60033191;60007398;60025225
? Corresponding: Ioan A.

127.

? Title: Model tests and full scale operation with surface piercing propellers
? Venue: Proceedings of the Institute of Marine Engineering Science and Technology Part B Journal of Marine Design and Operations
? Year: 2003
? Type: Conference Proceeding
? Subtype: Article
? Citations: 2
? Scopus ID: 2-s2.0-84867360525
? Issn: 14761556
? Issue: 3
? Pages: 21-31
? Authors: Ferrando M.; Panarello A.; Scamardella A.; Viviani M.
? Source Id: 25658
? Author Ids: 7006903025;55386835600;36170904600;58090077400
? Authoraffiliationids: 60025153;113131498;60025235;113131498
? Corresponding: Ferrando M.