

## 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

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? Phone: +39 010 33 52547  
? Page: <https://rubrica.unige.it/personale/VUZXlHg>  
? 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 Navale
- ? 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;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;1180171113;1180171113;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; Rizzuto 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  
? 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 manoeuvrability: 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/Ijcn48605.2020.9207003  
? 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; Eloit 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/Ijcn.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;57  
193082661;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: Bruzzzone Dario; Ruscelli Danilo; Villa Diego; Vivani Michele  
? Source Id: 21100795196  
? Author Ids: 6602292559;25926060700;56250522200;58090077400  
? Authoraffiliationids: 60025153;60122238;60025153;60025153  
? Corresponding: Bruzzzone 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.; Rizzuto E.; Tani G.; Villa D.; Viviani M.; Haimov  
E.; Hallander J.

? Source Id: 21100986078

? Author Ids: 6503976905;55212255700;6602173744;55355605100;56250522200;58090077400;568  
45776300;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.; Moiroud 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;3508  
5077200;24830321800;23009137200;57196523110

? Authoraffiliationids: 60025153;60025153;60025153;60025225;60025225;110030717;11003071  
7;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;55  
603310800;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;555  
33319100;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.; Moiroud 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;112595924;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  
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