

GAGGERO STEFANO

Overview

? Unit: NAV
? Role: Professore associato
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 3
? SSD: IIND-01/A (Architettura navale)
? Scopus ID: 6503976905
? Unige Id: 701290
? Retrieved at: 2025-11-14T15:13:23.891776

Contact

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? Page: <https://rubrica.unige.it/personale/UkNGWVNp>
? Locations: Villa Cambiaso - padiglioni (ED161450103), 1° piano, US161450103.I.016

Career

? Ar, 2013-03-01 ? 2014-07-31
? Rd, 2014-08-01 ? 2019-05-31
? Pa, 2019-06-01 ? 2222-02-02

Teaching

2025

? Geometria Dei Galleggianti (56991), L-9 - Ingegneria Nautica
? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Numerical Marine Hydrodynamics (66174), Lm-34 - Yacht Design
? Ship Stability (101123), L-28 R - Maritime Science And Technology

2024

? Geometria Dei Galleggianti (90571), L-9 - Ingegneria Navale
? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Yacht Stability (66400), Lm-34 - Yacht Design
? Numerical Marine Hydrodynamics (66174), Lm-34 - Yacht Design

2023

? Geometria Dei Galleggianti A (56991), L-9 - Ingegneria Nautica
? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Numerical Marine Hydrodynamics (66174), Lm-34 - Yacht Design
? Yacht Stability (66400), Lm-34 - Yacht Design

2022

? Geometria Dei Galleggianti A (56991), L-9 - Ingegneria Nautica
? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Numerical Marine Hydrodynamics (66174), Lm-34 - Yacht Design
? Yacht Stability (66400), Lm-34 - Yacht Design

2021

? Geometria Dei Galleggianti A (CdI) (56991), L-9 - Ingegneria Nautica
? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Yacht Stability (66400), Lm-34 - Yacht Design
? Numerical Marine Hydrodynamics (66174), Lm-34 - Yacht Design

2020

? Geometria Dei Galleggianti A (CdI) (56991), L-9 - Ingegneria Nautica

? Architettura Navale Numerica (84419), Lm-34 - Ingegneria Navale
? Yacht Stability (66400), Lm-34 - Yacht Design

Scopus Metrics

? absolute; Docs: 101; Journals: 54; Conferences: 44; Citations: 1792; H-index: 24
? 15 years (2010-2025); Docs: 98; Journals: 54; Conferences: 41; Citations: 1778; H-index: 24
? 10 years (2015-2025); Docs: 81; Journals: 49; Conferences: 31; Citations: 1309; H-index: 21
? 05 years (2020-2025); Docs: 40; Journals: 30; Conferences: 10; Citations: 466; H-index: 14

Scopus Products

1.

? Title: The CFD Potentiality on the AUV Hydrodynamic Design
? Venue: Progress in Marine Science and Technology
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst250080
? Scopus ID: 2-s2.0-105016242182
? Issn: 25430955
? eISSN: 25430963
? Volume: 10
? Pages: 663-673
? Authors: Villa Diego; Gaggero Stefano
? Keywords: AUV design | Manoeuvrability | RANS code
? 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: 56250522200;6503976905
? Authoraffiliationids: 60025153;60025153
? Corresponding: Villa D.

2.

? Title: A Numerical Overview of the Influence of Cavitation on Cycloidal Propeller Performances
? Venue: Progress in Marine Science and Technology
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst250039
? Scopus ID: 2-s2.0-105016134898
? Issn: 25430955
? eISSN: 25430963
? Volume: 10
? Pages: 313-322
? Authors: Nicolas Guano; Silvia Donnarumma; Stefano Gaggero
? Keywords: Cavitation | CFD | Cycloidal Propellers | RANS Equations
? 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: 60102821800;60102591200;6503976905

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Nicolas G.

3.

? Title: Propeller design by optimisation for underwater radiated noise reduction: a full scale application

? Venue: Ocean Engineering

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.1016/j.oceaneng.2025.121412

? Scopus ID: 2-s2.0-105005290279

? Issn: 00298018

? Volume: 333

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

Pinto Ottavio; Becchi Paolo; De Angelis Emilio; Viviani Michele

? Keywords: Cavitation | Optimisation | Propeller design | Underwater radiated noise

? Quartile:

2025:

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

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

? Source Id: 28339

? Author Ids: 6503976905;55212255700;55355605100;56250522200;6602173744;55820385800;12784057800;57205145488;58090077400

? Authoraffiliationids:

60025153;60025153;60025153;60025153;60025153;60083109;60122238;60122238;60025153

? Corresponding: Gaggero S.

4.

? Title: Improving Waterjet Performance Through Simulation-Based Optimization

? Venue: Journal of Marine Science and Engineering

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.3390/jmse13040758

? Scopus ID: 2-s2.0-105003726462

? eISSN: 20771312

? Volume: 13

? Issue: 4

? Authors: Gaggero Stefano; Mastrandrea Francesco

? Keywords: axial pump | axial waterjets | optimization | RANSE | simulation-based design optimization | waterjets

? 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)

? Source Id: 21100830140

- ? Author Ids: 6503976905;59756454400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.
- 5.
- ? Title: Robust simulation-based design optimization of marine propellers
? Venue: Ocean Engineering
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.oceaneng.2025.120397
? Scopus ID: 2-s2.0-85215562861
? Issn: 00298018
? Volume: 321
? Authors: Gaggero Stefano
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
? Source Id: 28339
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.
- 6.
- ? Title: Extending parametric model embedding with physical information for design-space dimensionality reduction in shape optimization
? Venue: Engineering with Computers
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1007/s00366-025-02211-2
? Scopus ID: 2-s2.0-105018791773
? Issn: 01770667
? eISSN: 14355663
? Authors: Serani Andrea; Palma Giorgio; Wackers Jeroen; Quagliarella Domenico; Gaggero Stefano; Diez Matteo
? Keywords: Dimensionality reduction | Parametric model embedding | Representation learning | Shape optimization | Vehicle design
? Quartile:
2025:
? Modeling and Simulation (Q1, rank 1, percentile 99)
? Engineering (all) (Q1, rank 7, percentile 98)
? Computer Science Applications (Q1, rank 32, percentile 96)
? Software (Q1, rank 20, percentile 96)
? Source Id: 18186
? Author Ids: 56588993500;57191197956;8295166400;6603277480;6503976905;10139188800
? Authoraffiliationids: 60021199;60021199;60008134;60082509;60025153;60021199
? Corresponding: Serani A.
- 7.
- ? Title: Design by Optimization on the Nozzle and the Stator Blades of a Rim-Driven Pumpjet
? Venue: Journal of Marine Science and Engineering
? Year: 2024

? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.3390/jmse12112090
? Scopus ID: 2-s2.0-85210288647
? eISSN: 20771312
? Volume: 12
? Issue: 11
? Authors: Lugaresi Marco; Villa Diego; Gaggero Stefano
? Keywords: CFD | design by optimization | optimization | propeller | pumpjet | RANS | rim-driven
? 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)
2024:
? Ocean Engineering (Q2, rank 30, percentile 74)
? Civil and Structural Engineering (Q2, rank 116, percentile 71)
? Water Science and Technology (Q2, rank 87, percentile 68)
? Source Id: 21100830140
? Author Ids: 59426744600;56250522200;6503976905
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Lugaresi M.

- 8.
- ? 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.

9.

? Title: A comprehensive analysis of a numerical self-propulsion procedure for high-speed marine vehicles
? Venue: Ocean Engineering
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.oceaneng.2023.115766
? Scopus ID: 2-s2.0-85171740044
? Issn: 00298018
? Volume: 287
? Authors: Villa Diego; Tani Giorgio; Gaggero Stefano; Ferrando Marco; Ausonio Pierluigi; Travi Piero; Viviani Michele
? Keywords: Computational fluid dynamics | High-speed marine vehicles | Self-propulsion prediction | Uncertainty quantification
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2023:
? Ocean Engineering (Q1, rank 14, percentile 87)
? Environmental Engineering (Q1, rank 48, percentile 75)
? Source Id: 28339
? Author Ids:
56250522200;55355605100;6503976905;7006903025;57193088176;57193089356;58090077400
? Authoraffiliationids:
60025153;60025153;60025153;60025153;118017113;118017113;60025153
? Corresponding: Villa D.

10.

? 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.

11.

? Title: A Study on the Wake Evolution of a Set of RIM-Driven Thrusters

? Venue: Journal of Marine Science and Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 19

? DOI: 10.3390/jmse11091659

? Scopus ID: 2-s2.0-85172809437

? eISSN: 20771312

? Volume: 11

? Issue: 9

? Authors: Gaggero Stefano

? Keywords: CFD | DES | IDDES | propeller vortical structures | RIM-driven thrusters | tip vortices | wake instabilities

? 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: 6503976905

? Authoraffiliationids: 60025153

? Corresponding: Gaggero S.

12.

? Title: Influence of Laminar-to-Turbulent Transition on the Model Scale Propeller Performance and Induced Pressure Pulses in an Unsteady Case of Oblique Flow

? Venue: Journal of Marine Science and Application

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1007/s11804-023-00334-w

? Scopus ID: 2-s2.0-85165278879

? Issn: 16719433

? eISSN: 19935048

? Volume: 22

? Issue: 2

? Pages: 199-218

? Authors: Gaggero Stefano

? Keywords: Cavitation | Cavitation with laminar flow | DES | Induced pressure pulses | Mass transfer models | Model scale propeller | Oblique flow | RANS | Transition sensitive turbulence models

? Quartile:

2025:

? Ocean Engineering (Q2, rank 39, percentile 66)

? Mechanical Engineering (Q2, rank 253, percentile 65)

2023:

- ? Mechanical Engineering (Q2, rank 280, percentile 58)
 - ? Ocean Engineering (Q2, rank 48, percentile 54)
 - ? Source Id: 5400152711
 - ? Author Ids: 6503976905
 - ? Authoraffiliationids: 60025153
 - ? Corresponding: Gaggero S.
- 13.
- ? Title: Design and analysis of pumpjet propulsors using CFD-based optimization
 - ? Venue: Ocean Engineering
 - ? Year: 2023
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 20
 - ? DOI: 10.1016/j.oceaneng.2023.114304
 - ? Scopus ID: 2-s2.0-85151233973
 - ? Issn: 00298018
 - ? Volume: 277
 - ? Authors: Gaggero Stefano; Martinelli Mattia
 - ? Keywords: Design-by-optimization | Ducted propellers | IDDES | Pumpjet | Pumpjet propulsor design | RANSE | RANSE based optimization | Wake instabilitiesWake instabilities
 - ? 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: 6503976905;57224361890
 - ? Authoraffiliationids: 60025153;60025153
 - ? Corresponding: Gaggero S.
- 14.
- ? Title: Pre-Swirl Ducts, Pre-Swirl Fins and Wake-Equalizing Ducts for the DTC Hull: Design and Scale Effects
 - ? Venue: Journal of Marine Science and Engineering
 - ? Year: 2023
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 5
 - ? DOI: 10.3390/jmse11051032
 - ? Scopus ID: 2-s2.0-85160785883
 - ? eISSN: 20771312
 - ? Volume: 11
 - ? Issue: 5
 - ? Authors: Nicorelli Giacomo; Villa Diego; Gaggero Stefano
 - ? Keywords: BEM | design-by-optimization | DTC hull | energy-saving devices | optimization | pre-swirl duct | pre-swirl fins | RANSE | wake-equalizing duct
 - ? 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: 58297407000;56250522200;6503976905
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Nicorelli G.

15.

? Title: Physically plausible propeller noise prediction via recursive corrections leveraging prior knowledge and experimental data
? Venue: Engineering Applications of Artificial Intelligence
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1016/j.engappai.2022.105660
? Scopus ID: 2-s2.0-85143542396
? Issn: 09521976
? Volume: 118
? Authors: Kalikatzarakis Miltiadis; Coraddu Andrea; Atlar Mehmet; Gaggero Stefano; Tani Giorgio; Oneto Luca
? Keywords: Extrapolation | Hybrid models | Meridian standard propeller series | Physical plausibility | Prior knowledge | Propeller cavitation noise | Recursive corrections
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 87, percentile 91)
? Artificial Intelligence (Q1, rank 66, percentile 86)
2023:
? Control and Systems Engineering (Q1, rank 38, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 102, percentile 87)
? Artificial Intelligence (Q1, rank 67, percentile 81)
? Source Id: 24182
? Author Ids: 56731120600;55193514900;6701684164;6503976905;55355605100;41262130900
? Authoraffiliationids: 60024724;60118236;60024724;60025153;60025153;60121711
? Corresponding: Kalikatzarakis M.

16.

? Title: Pre-swirl fins design for improved propulsive performances: application to fast twin-screw passenger ships
? Venue: Journal of Ocean Engineering and Marine Energy
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1007/s40722-022-00251-0
? Scopus ID: 2-s2.0-85136092243
? Issn: 21986444
? eISSN: 21986452
? Volume: 9
? Issue: 1
? Pages: 69-91
? Authors: Gaggero Stefano; Martinelli Mattia
? Keywords: Design by optimization | Energy saving devices | Optimization | Pre-swirl

stators | SBDO

? Quartile:

2025:

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

? Water Science and Technology (Q2, rank 82, percentile 70)

? Energy Engineering and Power Technology (Q2, rank 108, percentile 67)

? Renewable Energy, Sustainability and the Environment (Q2, rank 148, percentile 52)

2023:

? Ocean Engineering (Q2, rank 43, percentile 59)

? Energy Engineering and Power Technology (Q2, rank 115, percentile 57)

? Water Science and Technology (Q2, rank 117, percentile 55)

? Renewable Energy, Sustainability and the Environment (Q3, rank 149, percentile 44)

? Source Id: 21100812570

? Author Ids: 6503976905;57224361890

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaggero S.

17.

? Title: Wake Instabilities of Tip-Loaded Propellers: Comparison between CLT and ?New Generation? CLT Configurations

? Venue: Journal of Marine Science and Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 10

? DOI: 10.3390/jmse11010112

? Scopus ID: 2-s2.0-85146763874

? eISSN: 20771312

? Volume: 11

? Issue: 1

? Authors: Gaggero Stefano; Ferrando Marco

? Keywords: CFD | CLT propeller | IDDES | new generation CLT | ship propeller wake | tip vortex | tip-loaded propeller | vortical structures | wake instabilities

? 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: 6503976905;7006903025

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaggero S.

18.

? Title: Computational prediction of underwater radiated noise of cavitating marine propellers: On the accuracy of semi-empirical models

? Venue: Ocean Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.1016/j.oceaneng.2022.111477

? Scopus ID: 2-s2.0-85134296375
? Issn: 00298018
? Volume: 259
? Authors: Kalikatzarakis Miltiadis; Coraddu Andrea; Atlar Mehmet; Gaggero Stefano; Tani Giorgio; Villa Diego; Oneto Luca
? Keywords: Cavitation | Marine propeller | Semi-empirical model | Sheet cavitation | Tip-vortex cavitation | Underwater radiated noise | Validation test
? 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:
56731120600;55193514900;6701684164;6503976905;55355605100;56250522200;41262130900
? Authoraffiliationids:
60024724;60024724-60118236;60024724;60121711;60121711;60121711;60025153
? Corresponding: Kalikatzarakis M.

19.

? 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;60025153
? Corresponding: Gaggero S.

20.

? Title: Free Surface Hydrodynamics of Submarine Masts Configurations
? Venue: Progress in Marine Science and Technology
? Year: 2022

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst220034
? Scopus ID: 2-s2.0-85138185072
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 271-278
? Authors: Vernengo Giuliano; Gaggero Stefano; Villa Diego; Mazzarello Giorgio; Gualeni Paola
? Keywords: Computational Fluid Dynamics (CFD) | Smoothed Particles Hydrodynamics (SPH) | Submarine | Surface-piercing cylinders | Turbulent wake
? 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: 37662376400;6503976905;56250522200;57892552100;15057843300
? Authoraffiliationids: 60025153;60025153;60025153;60083109;60025153
? Corresponding: Vernengo G.

21.

? Title: CFD Prediction of the Asymmetrical Shaft Unbalance During Ship Maneuvers
? Venue: Progress in Marine Science and Technology
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.3233/Pmst220023
? Scopus ID: 2-s2.0-85138166927
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 178-187
? Authors: Villa Diego; Gaggero Stefano
? Keywords: Computational Fluid Dynamics (CFD) | Propeller Body-Forces | Propeller Load Unbalance | Ship Maneuvering
? 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: 56250522200;6503976905
? Authoraffiliationids: 60025153;60025153

? Corresponding: Villa D.

22.

? 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.

23.

? Title: A marine propeller design method based on two-fidelity data levels

? Venue: Applied Ocean Research

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 21

? DOI: 10.1016/j.apor.2022.103156

? Scopus ID: 2-s2.0-85129274189

? Issn: 01411187

? Volume: 123

? Authors: Gaggero Stefano; Vernengo Giuliano; Villa Diego

? Keywords: E779A | Gaussian process | Multi-fidelity | Optimization | Propeller design

? Quartile:

2025:

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

2022:

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

? Source Id: 26776

? Author Ids: 6503976905;37662376400;56250522200

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Gaggero S.

24.

? Title: Hydrodynamic Interactions Of Multiple Surface-Piercing Struts By Smoothed Particles Hydrodynamics
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1115/Omae2022-81431
? Scopus ID: 2-s2.0-85140750900
? Volume: 7
? Authors: Vernengo Giuliano; De Marco Muscat-Fenech Claire; Demirel Yigit Kemal; Gaggero Stefano; Villa Diego
? Keywords: Breaking waves | Computational Fluid Dynamics (CFD) | Smoothed Particle Hydrodynamics (SPH) | Surface-piercing strut | Tandem struts
? Source Id: 91440
? Author Ids: 37662376400;55940054200;56044990600;6503976905;56250522200
? Authoraffiliationids: 60025153;60072651;60024724;60025153;60025153
? Corresponding: Vernengo G.

25.

? Title: Pre- and post-swirl fins design for improved propulsive performances
? Venue: Ship Technology Research
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1080/09377255.2021.1934362
? Scopus ID: 2-s2.0-85107436209
? Issn: 09377255
? eISSN: 20567111
? Volume: 69
? Issue: 1
? Pages: 31-49
? Authors: Gaggero Stefano; Martinelli Mattia
? Keywords: CFD | design by optimization | energy-saving devices | ESD | optimization | post-swirl stators | Pre-swirl stators
? Quartile:
2025:
? Ocean Engineering (Q2, rank 55, percentile 53)
2022:
? Ocean Engineering (Q2, rank 34, percentile 66)
? Source Id: 27317
? Author Ids: 6503976905;57224361890
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

26.

? Title: Influence of laminar-to-Turbulent transition on model scale propeller performances. Part II: cavitating conditions
? Venue: Ships and Offshore Structures
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 15

? Doi: 10.1080/17445302.2020.1866819
? Scopus ID: 2-s2.0-85098668513
? Issn: 17445302
? Volume: 17
? Issue: 4
? Pages: 772-791
? Authors: Gaggero Stefano
? Keywords: cavitation | cavitation under laminar flow | propeller | Transition sensitive turbulence models
? Quartile:
2025:
? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
2022:
? Mechanical Engineering (Q2, rank 226, percentile 64)
? Ocean Engineering (Q2, rank 37, percentile 63)
? Source Id: 19700186818
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.

27.

? Title: Influence of laminar-to-turbulent transition on model scale propeller performances. Part I: fully wetted conditions
? Venue: Ships and Offshore Structures
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1080/17445302.2020.1863658
? Scopus ID: 2-s2.0-85098623691
? Issn: 17445302
? Volume: 17
? Issue: 4
? Pages: 715-727
? Authors: Gaggero Stefano
? Keywords: laminar to turbulent transition | OpenFOAM | Propeller | transition sensitive turbulence models
? Quartile:
2025:
? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
2022:
? Mechanical Engineering (Q2, rank 226, percentile 64)
? Ocean Engineering (Q2, rank 37, percentile 63)
? Source Id: 19700186818
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.

28.

? Title: Comparison of different propeller boss cap fins design for improved propeller performances
? Venue: Applied Ocean Research
? Year: 2021
? Type: Journal

? Subtype: Article
? Citations: 23
? DOI: 10.1016/j.apor.2021.102867
? Scopus ID: 2-s2.0-85115379702
? Issn: 01411187
? Volume: 116
? Authors: Gaggero Stefano; Martinelli Mattia
? Keywords: Energy saving devices, Design by optimization | Optimization | PBCF | RANS | SBDO | Simulation based design optimization | Tip vortex dynamic
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2021:
? Ocean Engineering (Q1, rank 18, percentile 82)
? Source Id: 26776
? Author Ids: 6503976905;57224361890
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

29.

? Title: An effective mesh deformation approach for hull shape design by optimization
? Venue: Journal of Marine Science and Engineering
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.3390/jmse9101107
? Scopus ID: 2-s2.0-85117693519
? eISSN: 20771312
? Volume: 9
? Issue: 10
? Authors: Villa Diego; Fucas Francesco; Pralits Jan Oscar; Vernengo Giuliano; Gaggero Stefano
? Keywords: CFD | Design by optimization | Free-form deformation | Mesh morphing | Optimization | RANS | Subdivision surfaces
? 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: 56250522200;57215094740;6507362690;37662376400;6503976905
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Villa D.

30.

? Title: Pre-swirl stators design using a coupled BEM-RANSE approach
? Venue: Ocean Engineering
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 20

? DOI: 10.1016/j.oceaneng.2021.108579
? Scopus ID: 2-s2.0-85099370149
? Issn: 00298018
? Volume: 222
? Authors: Furcas Francesco; Gaggero Stefano
? Keywords: BEM-RANSE coupling | Energy saving devices | ESD | Optimization | Pre-swirl
stators | SBDO
? 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: 57215094740;6503976905
? Authoraffiliationids: 60025153;60025153
? Corresponding: Furcas F.

31.

? Title: RIM driven propellers design using a simulation based design optimization
approach
? 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: 0
? Doi: 10.1201/9781003216582-33
? Scopus ID: 2-s2.0-85145497072
? Volume: 1
? Pages: 293-303
? Authors: Gaggero S.
? Source Id: 21101129854
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.

32.

? Title: Design and application of propeller boss cap fins to ducted propellers
? 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: 10.1201/9781003216582-38
? Scopus ID: 2-s2.0-85115397128
? Volume: 1
? Pages: 337-347
? Authors: Martinelli M.; Villa D.; Gaggero S.
? Source Id: 21101129854
? Author Ids: 57224361890;56250522200;6503976905
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Martinelli M.

33.

? Title: Parametric hull shape variations by Reduced Order Model based geometric transformation
? Venue: Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.oceaneng.2020.107826
? Scopus ID: 2-s2.0-85090041988
? Issn: 00298018
? Volume: 216
? Authors: Villa Diego; Gaggero Stefano; Coppede Antonio; Vernengo Giuliano
? Keywords: Design Velocity (DV) | Free Form Deformation | Hull shape | Proper Orthogonal Decomposition (POD) | Reduced Order Model (ROM) | Subdivision Surface
? 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: 56250522200;6503976905;57201546656;37662376400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Villa D.

34.

? 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.

35.

? 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.

36.

? 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.

37.

? Title: Design of Wake Equalizing Ducts using RANSE-based SBDO
? Venue: Applied Ocean Research
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 30
? DOI: 10.1016/j.apor.2020.102087
? Scopus ID: 2-s2.0-85079873265

? Issn: 01411187
? Volume: 97
? Authors: Furcas Francesco; Vernengo Giuliano; Villa Diego; Gaggero Stefano
? Keywords: Energy saving devices (ESD) | Hydrodynamic shape optimization | Japab bulk carrier (JBC) | Reynolds averaged navier stokes (RANS) | Simulation based design optimization (SBDO) | Wake equalizing duct (WED)
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2020:
? Ocean Engineering (Q1, rank 16, percentile 83)
? Source Id: 26776
? Author Ids: 57215094740;37662376400;56250522200;6503976905
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Furcas F.

38.

? 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.

39.

? Title: A reduced order approach for optimal design of efficient marine propellers
? Venue: Ships and Offshore Structures
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 38
? Doi: 10.1080/17445302.2019.1606877
? Scopus ID: 2-s2.0-85065142491
? Issn: 17445302

? Volume: 15
? Issue: 2
? Pages: 200-214
? Authors: Gaggero Stefano; Vernengo Giuliano; Villa Diego; Bonfiglio Luca
? Keywords: boundary element method | cavitation | multi-objective optimisation | Propeller | proper orthogonal decomposition | shape optimisation
? Quartile:
2025:
? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
2020:
? Ocean Engineering (Q2, rank 32, percentile 67)
? Mechanical Engineering (Q2, rank 203, percentile 66)
? Source Id: 19700186818
? Author Ids: 6503976905;37662376400;56250522200;55848582900
? Authoraffiliationids: 60025153;60025153;60025153;60022195
? Corresponding: Gaggero S.

40.

? Title: Numerical design of a RIM-driven thruster using a RANS-based optimization approach
? Venue: Applied Ocean Research
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 67
? DOI: 10.1016/j.apor.2019.101941
? Scopus ID: 2-s2.0-85075071191
? Issn: 01411187
? Volume: 94
? Authors: Gaggero Stefano
? Keywords: Design by Optimization | Optimization | Propeller | RANS | RIM | Rim driven propeller | SBDO
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2020:
? Ocean Engineering (Q1, rank 16, percentile 83)
? Source Id: 26776
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.

41.

? 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.

42.

? 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; Elout 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.

43.

? Title: Hydrodynamic shape optimization by high fidelity CFD solver and Gaussian process based response surface method
? Venue: Applied Ocean Research
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 74
? DOI: 10.1016/j.apor.2019.05.026
? Scopus ID: 2-s2.0-85066879607
? Issn: 01411187

? Volume: 90
? Authors: Coppedè Antonio; Gaggero Stefano; Vernengo Giuliano; Villa Diego
? Keywords: Free form deformation (FFD) | Gaussian process (GP) | Hydrodynamic shape optimization | KRISO Container Ship (KCS) | Response surface method (RSM) | Reynolds averaged Navier Stokes (RANS)
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2019:
? Ocean Engineering (Q1, rank 16, percentile 82)
? Source Id: 26776
? Author Ids: 57201546656;6503976905;37662376400;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Coppedè A.

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: Smoothed particles hydrodynamics simulation of a U-tank in forced motion
? Venue: 6th International Conference on Particle Based Methods Fundamentals and Applications Particles 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85101980893
? Pages: 806-815
? Authors: Papetti Aldo; Vernengo Giuliano; Gaggero Stefano; Villa Diego; Bonfiglio Luca
? Keywords: Hydrodynamics | Roll motion | Sloshing | Smoothed particles hydrodynamics

(SPH) | U-tank

? Source Id: 21101039435

? Author Ids: 57201665706;37662376400;6503976905;56250522200;55848582900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60022195

? Corresponding: Papetti A.

46.

? Title: A practical tool for the hydro-acoustic optimization of naval propellers

? Venue: 8th International Conference on Computational Methods in Marine Engineering
Marine 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-85095234611

? Pages: 296-308

? Authors: Valdenazzi Federica; Conti Francesco; Gaggero Stefano; Grassi Davide;
Vaccaro Cristina; Villa Diego

? Keywords: Acoustics | Design | Optimization | Propeller | Tip vortex

? Source Id: 21101039467

? Author Ids: 55978581700;56865490700;6503976905;36630335500;56865744300;56250522200

? Authoraffiliationids: 60122238;60083109;60025153;60122238;60083109;60025153

? Corresponding: Valdenazzi F.

47.

? Title: Rim driven propellers: Optimization based design approach using RANS
calculations

? Venue: Rina Royal Institution of Naval Architects Propellers and Impellers Research
Design Construction and Application 2019 Papers

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? DOI: 10.3940/rina.pro.2019.05

? Scopus ID: 2-s2.0-85088075214

? Authors: Gaggero S.

? Source Id: 21100934627

? Author Ids: 6503976905

? Authoraffiliationids: 60025153

? Corresponding: Gaggero S.

48.

? Title: A data-driven probabilistic learning approach for the prediction of
controllable pitch propellers performance

? Venue: 8th International Conference on Computational Methods in Marine Engineering
Marine 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Scopus ID: 2-s2.0-85074034817

? Pages: 544-555

? Authors: Gaggero Stefano; Coppede Antonio; Villa Diego; Vernengo Giuliano; Bonfiglio
Luca

? Keywords: Controllable pitch propeller | Gaussian process | Multi-fidelity |
Uncertainty quantification

? Source Id: 21101039467

? Author Ids: 6503976905;57201546656;56250522200;37662376400;55848582900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60022195
? Corresponding: Gaggero S.

49.

? Title: Design of PBCF energy saving devices using optimization strategies: A step towards a complete viscous design approach
? Venue: Ocean Engineering
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 41
? DOI: 10.1016/j.oceaneng.2018.01.003
? Scopus ID: 2-s2.0-85040512177
? Issn: 00298018
? Volume: 159
? Pages: 517-538
? Authors: Gaggero Stefano
? Keywords: OpenFOAM | Optimization | PBCF | Propulsive efficiency | RANS
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2018:
? Ocean Engineering (Q1, rank 13, percentile 86)
? Environmental Engineering (Q1, rank 29, percentile 77)
? Source Id: 28339
? Author Ids: 6503976905
? Authoraffiliationids: 60025153
? Corresponding: Gaggero S.

50.

? 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; Bruzzzone 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.

51.

? Title: Cavitating Propeller Performance in Inclined Shaft Conditions with OpenFOAM: PPTC 2015 Test Case
? Venue: Journal of Marine Science and Application
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 24
? DOI: 10.1007/s11804-018-0008-6
? Scopus ID: 2-s2.0-85047833455
? Issn: 16719433
? eISSN: 19935048
? Volume: 17
? Issue: 1
? Pages: 1-20
? Authors: Gaggero Stefano; Villa Diego
? Keywords: BEM | Cavitation | Inclined shaft | OpenFOAM | PPTC | Propeller | RANSE | Unsteady flow
? 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: 6503976905;56250522200
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

52.

? Title: The use of modern computational tools in the design process of unconventional propellers for performance prediction and full-scale extrapolation
? 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: 10.3233/978-1-61499-870-9-264
? Scopus ID: 2-s2.0-85087652877
? Pages: 264-274
? Authors: Gonz lez-Adalid Juan; P rez-Sobrinho Mariano; Gaggero Stefano; Gennaro Giulio; Moran Guerrero Amadeo
? Keywords: CLT | New generation CLT | OpenFOAM | Propeller performance | Scale effect | StarCCM+
? Source Id: 21101023871
? Author Ids: 57217825745;57217827589;6503976905;56083037400;57015496500
? Authoraffiliationids: 114289645;114289645;60025153;121763499;60028442
? Corresponding: Gonz lez-Adalid J.

53.

? 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.

54.

? Title: Improving model scale propeller performance prediction using the k ϵ transition model in OpenFOAM
? Venue: International Shipbuilding Progress
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.3233/lsp-180146
? Scopus ID: 2-s2.0-85059504304
? Issn: 0020868x
? eISSN: 15662829
? Volume: 65
? Issue: 2
? Pages: 187-226
? Authors: Gaggero Stefano; Villa Diego
? Keywords: laminar-turbulent transition | OpenFOAM | Propeller performance | RANS
? Quartile:
2025:
? Ocean Engineering (Q3, rank 72, percentile 38)
? Mechanical Engineering (Q3, rank 456, percentile 38)
2018:
? Ocean Engineering (Q3, rank 55, percentile 41)
? Mechanical Engineering (Q3, rank 367, percentile 37)
? Source Id: 25630
? Author Ids: 6503976905;56250522200
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

55.

? Title: Identification of self-noise sources of a maritime unmanned system by CFD analysis
? Venue: 25th International Congress on Sound and Vibration 2018 Icsv 2018 Hiroshima Calling
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85058779401

? Volume: 8
? Pages: 4929-4936
? Authors: Ricciardone Gabriele; Gaggero Tomaso; Villa Diego; Gaggero Stefano; Biagini Stefano; Tesei Alessandra
? Keywords: CFD noise | Self noise | Waveglider
? Source Id: 21100892235
? Author Ids: 57205149210;55212255700;56250522200;6503976905;36875802500;55535266800
? Authoraffiliationids: 60025153;60025153;60025153;60025153;114093246;114093246
? Corresponding: Ricciardone G.

56.

? Title: AN optimization framework for pbcf energy saving devices
? 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/Omae2018-77921
? Scopus ID: 2-s2.0-85055559597
? Volume: 7B
? Authors: Gaggero Stefano; Villa Diego
? Source Id: 91440
? Author Ids: 6503976905;56250522200
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

57.

? Title: Sensitivity analysis of impact loads by CFD solvers for structural FEM computation on ship structures
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-85053478087
? Issn: 10986189
? eISSN: 15551792
? Volume: 2018-June
? Pages: 521-526
? Authors: Gaggero Stefano; Gaggero Tomaso; Gaiotti Marco; Ghelardi Stefano; Vernengo Giuliano; Villa Diego
? Keywords: Finite Element Method (FEM) | Slamming | Smoothed Particle Hydrodynamics (SPH) | Unsteady Reynolds Averaged Navier Stokes Equations (URANSE)
? 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)
2018:
? Ocean Engineering (Q3, rank 64, percentile 31)
? Energy Engineering and Power Technology (Q3, rank 146, percentile 28)
? Mechanical Engineering (Q4, rank 442, percentile 24)
? Source Id: 77392
? Author Ids: 6503976905;55212255700;55200599100;56030081700;37662376400;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

- ? Corresponding: Gaggero S.
- 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: 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.
- 60.

? Title: Steady cavitating propeller performance by using OpenFOAM, StarCCM+and a boundary element method
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 43
? Doi: 10.1177/1475090216644280
? Scopus ID: 2-s2.0-85019192699
? Issn: 14750902
? eISSN: 20413084
? Volume: 231
? Issue: 2
? Pages: 411-440
? Authors: Gaggero Stefano; Villa Diego
? Keywords: boundary element method | cavitation | computational fluid dynamics | OpenFOAM | Potsdam Propeller Test Case | propellers | Schnerr-Sauer cavitation model | StarCCM+
? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2017:
? Mechanical Engineering (Q2, rank 157, percentile 72)
? Ocean Engineering (Q2, rank 27, percentile 71)
? Source Id: 25596
? Author Ids: 6503976905;56250522200
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

61.

? 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.

62.

? 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.

63.

? 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.

64.

? Title: Systematic analysis of mesh and meshless cfd methods for water impact problems
? Venue: 7th International Conference on Computational Methods in Marine Engineering Marine 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-85045687600
? Volume: 2017-May
? Pages: 568-582
? Authors: Bonfiglio Luca; Gaggero Stefano; Papetti Aldo; Vernengo Giuliano; Villa Diego
? Keywords: Free Surface Deformation | Impact Forces | Slamming | Smoothed Particle

Hydrodynamics (SPH) | Unsteady Reynolds Averaged Navier Stokes (URANS) | Violent Impact Hydrodynamics

? Source Id: 21100857769

? Author Ids: 55848582900;6503976905;57201665706;37662376400;56250522200

? Authoraffiliationids: 60022195;60025153;60025153;60025153;60025153

? Corresponding: Bonfiglio L.

65.

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

? Venue: Ocean Engineering

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 22

? DOI: 10.1016/j.oceaneng.2017.01.015

? Scopus ID: 2-s2.0-85010705180

? Issn: 00298018

? Volume: 132

? Pages: 45-69

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

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

? Quartile:

2025:

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

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

2017:

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

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

? Source Id: 28339

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

? Authoraffiliationids:

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

? Corresponding: Tani G.

66.

? Title: Physics-based design by optimization of unconventional supercavitating hydrofoils

? Venue: Journal of Ship Research

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 30

? Doi: 10.5957/Josr.60.4.150074

? Scopus ID: 2-s2.0-84996969461

? Issn: 00224502

? eISSN: 15420604

? Volume: 60

? Issue: 4

? Pages: 187-202

? Authors: Vernengo Giuliano; Bonfiglio Luca; Gaggero Stefano; Brizzolara Stefano

? Keywords: Boundary element method | Design by optimization | Differential evolution algorithm | Multiphase reynold-averaged navier stokes | Supercavitating hydrofoils

? 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)

2016:

? Civil and Structural Engineering (Q2, rank 79, percentile 69)

? Mechanical Engineering (Q2, rank 172, percentile 68)

? Applied Mathematics (Q2, rank 129, percentile 68)

? Ocean Engineering (Q2, rank 28, percentile 68)

? Numerical Analysis (Q2, rank 16, percentile 64)

? Source Id: 25663

? Author Ids: 37662376400;55848582900;6503976905;6603210760

? Authoraffiliationids: 60140949;60140949;60025153;60140949

? Corresponding: Vernengo G.

67.

? Title: Design and analysis of a new generation of CLT propellers

? Venue: Applied Ocean Research

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 72

? DOI: 10.1016/j.apor.2016.06.014

? Scopus ID: 2-s2.0-84989935293

? Issn: 01411187

? Volume: 59

? Pages: 424-450

? Authors: Gaggero Stefano; Gonzalez-Adalid Juan; Sobrino Mariano Perez

? Keywords: BEM | Design by optimization | New generation CLT | RANSE | Tip loaded propellers | Tip rake propellers | Unconventional propeller design

? Quartile:

2025:

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

2016:

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

? Source Id: 26776

? Author Ids: 6503976905;6504166243;57191412133

? Authoraffiliationids: 60025153;114289645;114289645

? Corresponding: Gaggero S.

68.

? 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.

69.

? Title: Design of contracted and tip loaded propellers by using boundary element methods and optimization algorithms

? Venue: Applied Ocean Research

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 70

? DOI: 10.1016/j.apor.2015.12.004

? Scopus ID: 2-s2.0-84952775292

? Issn: 01411187

? Volume: 55

? Pages: 102-129

? Authors: Gaggero Stefano; Gonzalez-Adalid Juan; Perez Sobrino Mariano

? Keywords: BEM | CLT | Contracted and tip loaded propellers | Design by optimization | Optimization | Propellers design | RANSE | Unconventional propellers

? Quartile:

2025:

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

2016:

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

? Source Id: 26776

? Author Ids: 6503976905;6504166243;56111964200

? Authoraffiliationids: 60025153;114289645;114289645

? Corresponding: Gaggero S.

70.

? 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.

71.

? 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.

72.

? Title: A framework for the design by optimization of hydrofoils under cavitating conditions
? Venue: Eccomas Congress 2016 Proceedings of the 7th European Congress on Computational Methods in Applied Sciences and Engineering
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.7712/100016.2415.8388
? Scopus ID: 2-s2.0-84995376451
? Volume: 4
? Pages: 8305-8323
? Authors: Olivucci Paolo; Gaggero Stefano
? Keywords: Cavitation | Hydrofoils | OpenFOAM | Optimization | RANSE
? Source Id: 21100785490
? Author Ids: 57204331789;6503976905
? Authoraffiliationids: 60025153;60025153
? Corresponding: Olivucci P.

73.

? 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.

74.

? Title: Open source computations of planing hull resistance

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

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 20

? DOI: 10.3940/rina.ijsct.2015.b2.172

? Scopus ID: 2-s2.0-84985010371

? Issn: 17400694

? Volume: 157

? Pages: 83-98

? Authors: Ferrando M.; Gaggero S.; Villa D.

? Quartile:

2015:

? Ocean Engineering (Q3, rank 63, percentile 29)

? Civil and Structural Engineering (Q4, rank 197, percentile 18)

? Source Id: 5000154004

? Author Ids: 7006903025;6503976905;56250522200

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Ferrando M.

75.

? 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.

76.

? Title: A new concept of a very high speed craft: Design issues

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

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-85012909169

? Pages: 949-958

? Authors: Podenzana Bonvino Carlo; Ferrando Marco; Gaggero Stefano; Villa Diego; De

Mitri Davide; Gironi Cristina

? Source Id: 21100795196

? Author Ids: 6507106439;7006903025;6503976905;56250522200;57193311577;54953391200

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

? Corresponding: Podenzana Bonvino C.

77.

? 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.

78.

? Title: Numerical investigation of the impact of speed reduction on propeller excitation

? 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: 2

? DOI: 10.1201/b18855-4

? Scopus ID: 2-s2.0-84959537464

? Pages: 11-22

? Authors: Gaggero S.; Gaggero T.; Villa D.; Rizzuto E.; Hallander J.

? Source Id: 21100448534

? Author Ids: 6503976905;55212255700;56250522200;6602173744;6506848509

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

? Corresponding: Gaggero S.

79.

? 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.

80.

? 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;56845776300;6506848509

? Authoraffiliationids:

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

? Corresponding: Gaggero S.

81.

? 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.

82.

? 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.

83.

? 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.

84.

? 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.

85.

? 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.

86.

? 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.

87.

? 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.

88.

? Title: Endplate effect propellers: A numerical overview
? 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: 8
? Scopus ID: 2-s2.0-84896876801
? Volume: 1
? Pages: 55-62
? Authors: Gaggero Stefano; Brizzolara Stefano

? Source Id: 21100291826
? Author Ids: 6503976905;6603210760
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

89.

? Title: A new approach in engine-propeller matching
? 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: 11
? Scopus ID: 2-s2.0-84896867822
? Volume: 2
? Pages: 631-637
? Authors: Coraddu A.; Gaggero S.; Villa D.; Figari M.
? Source Id: 21100291826
? Author Ids: 55193514900;6503976905;56250522200;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Coraddu A.

90.

? 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.

91.

? 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.

92.

? 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.

93.

? 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.

94.

? Title: Design and analysis of conventional and ducted propellers: A numerical approach
? Venue: Nav International Conference on Ship and Shipping Research
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-85012916827
? Issn: 22828397
? Volume: 0
? Authors: Gaggero Stefano; Villa Diego; Brizzolara Stefano
? Source Id: 21100875435
? Author Ids: 6503976905;56250522200;6603210760
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero S.

95.

? Title: Endplate effect propellers: A numerical overview
? Venue: Sustainable Maritime Transportation and Exploitation of Sea Resources
? Year: 2011
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Scopus ID: 2-s2.0-85059583940
? Pages: 55-62
? Authors: Gaggero Stefano; Brizzolara Stefano
? Source Id: 21100894060
? Author Ids: 6503976905;6603210760
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.

96.

? 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.

97.

? Title: Simulation of ship in self propulsion with different CFD methods: From actuator disk to potential flow/RANS coupled solvers

? Venue: Rina Royal Institution of Naval Architects Developments in Marine Cfd Papers
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? Scopus ID: 2-s2.0-80052578297
? Pages: 1-12
? Authors: Villa D.; Gaggero S.; Brizzolara Stefano
? Source Id: 19900193909
? Author Ids: 56250522200;6503976905;6603210760
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Villa D.

98.

? Title: RANS and PANEL method for unsteady flow propeller analysis
? Venue: Journal of Hydrodynamics
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 74
? Doi: 10.1016/S1001-6058(09)60253-5
? Scopus ID: 2-s2.0-84978039772
? Issn: 10016058
? Volume: 22
? Issue: 5 Suppl. 1
? Pages: 564-569
? Authors: Gaggero S.; Villa D.; Brizzolara S.
? Keywords: Panel Methods | RANS | Unsteady Flow
? 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: 6503976905;56250522200;6603210760
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero S.

99.

? Title: CFD modelling for powering and propulsion of motor yachts, recent developments and applications of the marine CFD group (Genoa)
? Venue: International Conference Design Construction and Operation of Super and Mega Yachts Papers
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-70449595916
? Pages: 21-33
? Authors: Brizzolara S.; Gaggero S.; Grassi D.; Villa D.
? Source Id: 19400158462
? Author Ids: 6603210760;6503976905;36630335500;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brizzolara S.

100.

? Title: Parametric Optimization of Open and Ducted Propellers
? Venue: Sname 12th Propeller and Shafting Symposium Pss 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.5957/Pss-2009-02
? Scopus ID: 2-s2.0-84865207759
? Authors: Brizzolara Stefano; Gaggero Stefano; Grasso Alessandro
? Keywords: Cavitation | Optimization | Panel Method | Propellers
? Source Id: 21101084779
? Author Ids: 6603210760;6503976905;7103284952
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brizzolara S.

101.

? Title: A potential panel method for the analysis of propellers in unsteady flow
? Venue: Royal Institution of Naval Architects 8th Symposium on High Speed Marine Vehicles Hsmv 2008
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-57649143310
? Pages: 184-192
? Authors: Gaggero S.; Brizzolara S.
? Source Id: 13900154708
? Author Ids: 6503976905;6603210760
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaggero S.