

## TANI GIORGIO

### Overview

? Unit: NAV  
? Role: Professore associato  
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 0  
? SSD: IIND-01/A (Architettura navale)  
? Scopus ID: 55355605100  
? Unige Id: 282477  
? Retrieved at: 2025-11-14T15:13:38.594550

### Contact

? Email: [giorgio.tani@unige.it](mailto:giorgio.tani@unige.it)  
? Page: <https://rubrica.unige.it/personale/V0tFX11u>  
? Locations: Villa Cambiaso - padiglioni (ED161450103), piano Terra, US161450103.T.113

### Career

? Cb, 2012-11-29 ? 2015-02-20  
? Ar, 2014-12-01 ? 2016-11-30  
? Rd, 2016-12-01 ? 2023-11-30  
? Pa, 2023-12-01 ? 2222-02-02

### Teaching

#### 2025

? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Prova Finale (66255), L-9 - Ingegneria Navale  
? Architettura Navale Sperimentale (115628), Lm-34 - Ingegneria Navale  
? Geometria Dei Galleggianti (90571), L-9 R - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

#### 2024

? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Prova Finale (66255), L-9 - Ingegneria Navale  
? Architettura Navale Sperimentale (115628), Lm-34 - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

#### 2023

? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Geometria Dei Galleggianti (90571), L-9 - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

#### 2022

? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Geometria Dei Galleggianti (90571), L-9 - Ingegneria Navale  
? Prova Finale (66255), L-9 - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

#### 2021

? Statica Della Nave 1 (60507), L-9 - Ingegneria Nautica  
? Statica Della Nave (84415), L-9 - Ingegneria Navale  
? Geometria Dei Galleggianti (90571), L-9 - Ingegneria Navale

? Prova Finale (66255), L-9 - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

2020

? Geometria Dei Galleggianti (90571), L-9 - Ingegneria Navale  
? Motor Yacht Design (66244), Lm-34 - Yacht Design

#### Scopus Metrics

? absolute; Docs: 56; Journals: 33; Conferences: 23; Citations: 890; H-index: 18  
? 15 years (2010-2025); Docs: 56; Journals: 33; Conferences: 23; Citations: 890; H-index: 18  
? 10 years (2015-2025); Docs: 50; Journals: 31; Conferences: 19; Citations: 716; H-index: 17  
? 05 years (2020-2025); Docs: 25; Journals: 16; Conferences: 9; Citations: 270; H-index: 9

#### Scopus Products

1.
  - ? 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.
2.
  - ? 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.

3.

? Title: Acoustic characterization of a cavitation tunnel for ship propeller noise studies  
? Venue: Journal of Ocean Engineering and Science  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? DOI: 10.1016/j.joes.2024.02.001  
? Scopus ID: 2-s2.0-85187275444  
? eISSN: 24680133  
? Volume: 10  
? Issue: 3  
? Pages: 330-341  
? Authors: Bocanegra J. A.; Borelli D.; Gaggero T.; Pic^† R.; Tani G.  
? Keywords: Cavitation noise | Cavitation tunnel | Propeller noise | Radiated noise | Ship propellers | Underwater noise  
? Quartile:  
2025:  
? Oceanography (Q1, rank 2, percentile 99)  
? Ocean Engineering (Q1, rank 2, percentile 98)  
? Environmental Engineering (Q1, rank 15, percentile 93)  
? Source Id: 21100981758  
? Author Ids: 57215288456;55213513300;55212255700;15830182900;55355605100  
? Authoraffiliationids: 60025153;60025153;60025153;60011476;60025153  
? Corresponding: Bocanegra J.A.

4.

? 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.

5.

? 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.

6.

? 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.

7.

? 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.

8.

? 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.

9.

? 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.

10.

? 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.

11.

? Title: Acoustic Characterization Of A Cavitation Tunnel: Modal Behaviour At Low Frequencies

? Venue: Proceedings of the International Congress on Sound and Vibration

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-85170647635

? eISSN: 23293675

? Authors: Bocanegra Johan Augusto; Borelli Davide; Gaggero Tomaso; Tani Giorgio; Piccotti Ruben

? Keywords: cavitation tunnel | propeller noise | ship noise | underwater noise

? Source Id: 21101140400

? Author Ids: 57215288456;55213513300;55212255700;55355605100;15830182900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60011476

? Corresponding: Bocanegra J.A.

12.

? 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.

13.

? 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.

14.

? Title: A Numerical Investigation of the Effect of Spatial and Temporal Resolution Together with Turbulence Modelling on the Hydrodynamic Forces of a Cavitating Foil  
? Venue: Progress in Marine Science and Technology  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.3233/Pmst220063  
? Scopus ID: 2-s2.0-85138173524  
? Issn: 25430955  
? eISSN: 25430963  
? Volume: 6  
? Pages: 530-537  
? Authors: Munro Mariana Zammit; Mizzi Simon; De Marco Muscat Fenech Claire; Tani Giorgio; Demirel Yigit  
? Keywords: Cavitation | CFD | RANS | turbulence modelling



? 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: 57893304100;57894106600;55940054200;55355605100;56044990600

? Authoraffiliationids: 60072651;60072651;60072651;60025153;60024724

? Corresponding: Munro M.Z.

15.

? 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.

16.

? 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.

17.

? 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.

18.

? Title: Experimental investigation on the effect of heterogeneous hull roughness on ship resistance

? Venue: Ocean Engineering

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 24

? DOI: 10.1016/j.oceaneng.2021.108590

? Scopus ID: 2-s2.0-85100629093

? Issn: 00298018  
? Volume: 223  
? Authors: Song Soonseok; Ravenna Roberto; Dai Saishuai; DeMarco Muscat-Fenech Claire; Tani Giorgio; Demirel Yigit Kemal; Atlar Mehmet; Day Sandy; Incecik Atilla  
? Keywords: Heterogeneous hull roughness | Roughness effect | Ship resistance | Towing test | Wigley hull  
? 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: 57205880533;57221922627;56849824000;57221923281;55355605100;56044990600;6701684164;57218566878;7003453599  
? Authoraffiliationids: 60024724;60024724;60024724;60072651;60025153;60024724;60024724;60024724;60024724  
? Corresponding: Song S.

19.

? 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.

20.

? Title: Numerical cavitation noise prediction of a benchmark research vessel propeller  
? Venue: Ocean Engineering  
? Year: 2020  
? Type: Journal  
? Subtype: Article

? Citations: 45  
? DOI: 10.1016/j.oceaneng.2020.107549  
? Scopus ID: 2-s2.0-85086446846  
? Issn: 00298018  
? Volume: 211  
? Authors: Sezen Savas; Atlar Mehmet; Fitzsimmons Patrick; Sasaki Noriyuki; Tani Giorgio; Yilmaz Naz; Aktas Batuhan  
? Keywords: Cavitation | CFD | FW-H | Propeller underwater radiated noise (URN) | RANS | The princess royal research vessel  
? 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:  
57194569244;6701684164;7003445186;55031259600;55355605100;57204799368;57072949400  
? Authoraffiliationids: 60024724;60024724;60024724;60024724;60025153;113150868;60084383  
? Corresponding: Sezen S.

21.

? 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.

22.

? 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/ljcn48605.2020.9207003  
? 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.

23.

? 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.

24.

? 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.

25.

? 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.

26.

? 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.

27.

? 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.

28.

? 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.

29.

? 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.

30.

? 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.

31.

? 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.

32.

? 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.

33.

? 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.

34.

? 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.

35.

? 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.

36.

? Title: On site propagation loss measurements through non-impulsive signal deconvolution  
? Venue: 25th International Congress on Sound and Vibration 2018 Icsv 2018 Hiroshima Calling  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-85058814315  
? Volume: 8  
? Pages: 4921-4928  
? Authors: Gaggero Tomaso; Tani Giorgio; De Angelis Emilio; Firenze Erica; Armelloni Enrico; Farina Angelo  
? Keywords: Propagation loss | Ship underwater noise | Signal processing  
? Source Id: 21100892235  
? Author Ids: 55212255700;55355605100;57205145488;55332495700;57211115712;7202992441  
? Authoraffiliationids: 60025153;60025153;60122238;60122238;60004969;60004969  
? Corresponding: Gaggero T.

37.

? 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.

38.

? 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.

39.

? 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.
40.  
? 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.
41.  
? 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.
42.  
? 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.

43.  
? 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.

44.  
? 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.

45.

? 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.

46.

? 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.

47.

? 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.

48.

? 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.

49.

? 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.

50.

? 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;119080767;60113104  
? Corresponding: Gaggero S.

51.

? 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.

52.

? 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.

53.

? 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.

54.

? 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.

55.

? 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.

56.

? 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.