

MARTELLI MICHELE

Overview

? Unit: NAV
? Role: Professore associato
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 2
? SSD: IIND-01/B (Costruzioni e impianti navali)
? Scopus ID: 55521641400
? Unige Id: 274760
? Retrieved at: 2025-11-14T15:14:08.949546

Contact

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? Page: <https://rubrica.unige.it/personale/V0RDXFxp>
? Locations: Villa Cambiaso - padiglioni (ED161450103), 1° piano, US161450103.I.036

Career

? Cb, 2012-11-29 ? 2014-05-30
? Ar, 2013-01-02 ? 2015-01-01
? Rd, 2015-01-02 ? 2019-11-29
? Pa, 2019-11-30 ? 2222-02-02

Teaching

2025

? Impianti Navali B (56992), L-9 - Ingegneria Nautica
? Impianti Di Propulsione Navale (108719), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

2024

? Impianti Di Propulsione Navale (108719), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

2023

? Impianti Navali A (66131), L-9 - Ingegneria Nautica
? Impianti Di Propulsione Navale (108719), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

2022

? Impianti Navali A (66131), L-9 - Ingegneria Nautica
? Impianti Di Propulsione Navale (66114), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

2021

? Impianti Navali A (66131), L-9 - Ingegneria Nautica
? Impianti Di Propulsione Navale (66114), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

2020

? Impianti Navali A (66131), L-9 - Ingegneria Nautica
? Impianti Di Propulsione Navale (66114), Lm-34 - Ingegneria Navale
? Ship Propulsion Plants (66288), Lm-34 - Yacht Design

Scopus Metrics

? absolute; Docs: 79; Journals: 36; Conferences: 37; Citations: 1097; H-index: 19
? 15 years (2010-2025); Docs: 79; Journals: 36; Conferences: 37; Citations: 1097; H-index: 19
? 10 years (2015-2025); Docs: 68; Journals: 33; Conferences: 31; Citations: 893; H-index: 16
? 05 years (2020-2025); Docs: 44; Journals: 23; Conferences: 18; Citations: 398; H-index: 11

Scopus Products

1.
 - ? Title: Human detection in marine disaster search and rescue scenario: a multi-modal early fusion approach
 - ? Venue: Ocean Engineering
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 0
 - ? DOI: 10.1016/j.oceaneng.2025.122341
 - ? Scopus ID: 2-s2.0-105012265713
 - ? Issn: 00298018
 - ? Volume: 340
 - ? Authors: Ponzini Filippo; Van Hamme David; Martelli Michele
 - ? Keywords: LiDAR | Marine autonomous surface ship | Search and rescue | Situational awareness | Thermal camera
 - ? Quartile:
2025:
 - ? Ocean Engineering (Q1, rank 6, percentile 95)
 - ? Environmental Engineering (Q1, rank 38, percentile 83)
 - ? Source Id: 28339
 - ? Author Ids: 58576469000;25723895200;55521641400
 - ? Authoraffiliationids: 60025153;60033316;60025153
 - ? Corresponding: Ponzini F.
2.
 - ? Title: Digital Technologies Can Modify the Decision-Making Process on Ship Bridges
 - ? Venue: Progress in Marine Science and Technology
 - ? Year: 2025
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.3233/Pmst250094
 - ? Scopus ID: 2-s2.0-105016151432
 - ? Issn: 25430955
 - ? eISSN: 25430963
 - ? Volume: 10
 - ? Pages: 793-801
 - ? Authors: Martelli Michele; Longo Giacomo; Russo Enrico; Zaccone Raphael
 - ? Keywords: Autonomous Ship | Collision avoidance | Decision support system | MASS
 - ? 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: 55521641400;57468566600;57197855120;56717793100
? Authoraffiliationids: 60025153;60121711;60121711;60025153
? Corresponding: Martelli M.

3.

? Title: LiDAR target detection and classification for ship situational awareness: A hybrid learning approach
? Venue: Applied Ocean Research
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1016/j.apor.2025.104552
? Scopus ID: 2-s2.0-105002009151
? Issn: 01411187
? Volume: 158
? Authors: Ponzini Filippo; Zaccone Raphael; Martelli Michele
? Keywords: LiDAR | Marine Autonomous Surface Ships | Marine situational awareness | Navigation system | Obstacle classification | Obstacle detection
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
? Source Id: 26776
? Author Ids: 58576469000;56717793100;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ponzini F.

4.

? Title: Model Identification, Dynamic Positioning, and Thrust Allocation System for the milliAmpere1 Autonomous Ferry Prototype: Field Trial Results
? Venue: IEEE Access
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Access.2025.3593251
? Scopus ID: 2-s2.0-105012467146
? eISSN: 21693536
? Volume: 13
? Pages: 133609-133634
? Authors: Hinostroza Miguel; Fruzzetti Camilla; Gudahl Tufte Andreas; Lexau Simon J.N.; Gusev Alexey; Eide Egil; Brekke Edmund F.; Lekkas Anastasios M.; Skjetne Roger; Martelli Michele; Breivik Morten
? Keywords: dynamic positioning control | full-scale experiments | Maritime autonomous surface ships | ship model identification | thrust allocation | urban electrical ferry
? Quartile:
2025:
? Engineering (all) (Q1, rank 42, percentile 88)
? Computer Science (all) (Q1, rank 41, percentile 83)
? Materials Science (all) (Q1, rank 101, percentile 78)
? Source Id: 21100374601
? Author Ids: 56017701600;57427556800;60029276200;59460184200;59959538000;7004958403;25031502300;6505747533;6602785213;55521641400;56206241300
? Authoraffiliationids: 60013141;60025153;60013141;60013141;60013141;60013141;60013141;60013141;60025153;60013141

? Corresponding: Hinostroza M.

5.

? Title: Time Domain Design of a Marine Target Tracking System Accounting for Environmental Disturbances

? Venue: Journal of Marine Science and Engineering

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.3390/jmse12112058

? Scopus ID: 2-s2.0-85210284265

? eISSN: 20771312

? Volume: 12

? Issue: 11

? Authors: Fruzzetti Camilla; Buzzurro Cristiana; Donnarumma Silvia; Martelli Michele

? Keywords: environmental disturbances | marine autonomous surface ship | target tracking

? 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: 57427556800;59426737200;55350308600;55521641400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fruzzetti C.

6.

? Title: Multiphysics Modeling and Simulation of Integrated Electric Propulsion System for Ship Dynamic Positioning

? Venue: IEEE Transactions on Industry Applications

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Tia.2024.3355869

? Scopus ID: 2-s2.0-85182953922

? Issn: 00939994

? eISSN: 19399367

? Volume: 60

? Issue: 3

? Pages: 4958-4967

? Authors: Donnarumma Silvia; Martelli Michele; D'Agostino Fabio; Kaza Daniele; Silvestro Federico

? Keywords: Dynamic positioning | electric propulsion | frequency regulation | multiphysics modeling

? Quartile:

2025:

? Control and Systems Engineering (Q1, rank 38, percentile 90)

? Electrical and Electronic Engineering (Q1, rank 102, percentile 89)

? Industrial and Manufacturing Engineering (Q1, rank 49, percentile 88)

2024:

- ? Electrical and Electronic Engineering (Q1, rank 99, percentile 89)
- ? Control and Systems Engineering (Q1, rank 43, percentile 88)
- ? Industrial and Manufacturing Engineering (Q1, rank 52, percentile 87)

? Source Id: 17361

? Author Ids: 55350308600;55521641400;56553864200;57218924925;23026343700

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

? Corresponding: Donnarumma S.

7.

? Title: Probabilistic operability and greenhouse gas assessment during dynamic positioning operations

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

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1177/14750902231203441

? Scopus ID: 2-s2.0-85175652778

? Issn: 14750902

? eISSN: 20413084

? Volume: 238

? Issue: 2

? Pages: 336-347

? Authors: Fruzzetti Camilla; Donnarumma Silvia; Maggiani Francesca; Martelli Michele

? Keywords: Dynamic positioning | electric propulsion | environmental disturbances |

GHG emissions | operability assessment | optimized allocation | scatter diagram

analysis | station keeping capability

? Quartile:

2025:

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

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

2024:

? Ocean Engineering (Q2, rank 32, percentile 72)

? Mechanical Engineering (Q2, rank 238, percentile 67)

? Source Id: 25596

? Author Ids: 57427556800;55350308600;58042017600;55521641400

? Authoraffiliationids: 60025153;60025153;60211436;60025153

? Corresponding: Fruzzetti C.

8.

? Title: A structured metric approach to compare marine collision avoidance algorithms

? Venue: Proceedings of the International Ship Control Systems Symposium

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.24868/11143

? Scopus ID: 2-s2.0-85210105149

? eISSN: 26318741

? Authors: Zacccone R.; Donnarumma S.; Martelli M.

? Keywords: Autonomous Navigation | COLREG | MASS | Path Planning | Simulation

? Quartile:

2025:

? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)

? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)

2024:

? Ocean Engineering (Q4, rank 99, percentile 13)
? Electrical and Electronic Engineering (Q4, rank 860, percentile 11)
? Control and Systems Engineering (Q4, rank 348, percentile 7)
? Human-Computer Interaction (Q4, rank 178, percentile 4)

? Source Id: 21101052918

? Author Ids: 56717793100;55350308600;55521641400

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Zacccone R.

9.

? Title: Ship Collision detection and classification employing AIS data
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85200733361
? Issn: 10986189
? eISSN: 15551792
? Volume: 1
? Pages: 3359-3363
? Authors: Martelli Michele; ?u?kin Srdan; Cellerino Elena; Zacccone Raphael
? Keywords: AIS data | Autonomous navigation | Collision avoidance | Collision risk |

COLREG

? 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)

2024:

? Ocean Engineering (Q4, rank 98, percentile 14)
? Energy Engineering and Power Technology (Q4, rank 266, percentile 11)
? Mechanical Engineering (Q4, rank 646, percentile 10)

? Source Id: 77392

? Author Ids: 55521641400;55808104300;59251623400;56717793100

? Authoraffiliationids: 60025153;60271610;60025153;60025153

? Corresponding: Martelli M.

10.

? Title: Model-Based Motion Control Design for the Milliampere1 Prototype Ferry
? Venue: 2024 European Control Conference Ecc 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.23919/Ecc64448.2024.10591071
? Scopus ID: 2-s2.0-85200538613
? Pages: 3636-3643
? Authors: Fruzzetti Camilla; Martelli Michele; Lekkas Anastasios; Skjetne Roger; Breivik Morten
? Source Id: 21101240865
? Author Ids: 57427556800;55521641400;6505747533;6602785213;56206241300

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

? Corresponding: Fruzzetti C.

11.

? Title: Naval engineering and ship control special edition III

? Venue: Journal of Marine Engineering and Technology

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1080/20464177.2024.2345220

? Scopus ID: 2-s2.0-85192378578

? Issn: 20464177

? eISSN: 20568487

? Volume: 23

? Issue: 3

? Pages: 155-156

? Authors: Martelli M.; Geertsma R. D.

? Keywords: alternative fuels | autonomous ships | Cybersecurity | iSCSS | ship control system

? Quartile:

2025:

? Ocean Engineering (Q1, rank 12, percentile 90)

2024:

? Ocean Engineering (Q1, rank 14, percentile 88)

? Source Id: 21100470126

? Author Ids: 55521641400;25927874500

? Authoraffiliationids: 60025153;60004193-60118236

? Corresponding: Martelli M.

12.

? Title: Adversarial waypoint injection attacks on Maritime Autonomous Surface Ships (MASS) collision avoidance systems

? Venue: Journal of Marine Engineering and Technology

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1080/20464177.2023.2298521

? Scopus ID: 2-s2.0-85180840642

? Issn: 20464177

? eISSN: 20568487

? Volume: 23

? Issue: 3

? Pages: 184-195

? Authors: Longo G.; Martelli M.; Russo E.; Merlo A.; Zacccone R.

? Keywords: Autonomous ship | collision avoidance | cyber security | data injection attack

? Quartile:

2025:

? Ocean Engineering (Q1, rank 12, percentile 90)

2024:

? Ocean Engineering (Q1, rank 14, percentile 88)

? Source Id: 21100470126

? Author Ids: 57468566600;55521641400;57197855120;15136674200;56717793100

? Authoraffiliationids: 60121711;60025153;60121711;130638655;60025153

? Corresponding: Longo G.

13.

? Title: E-Navigation: A Distributed Decision Support System With Extended Reality for Bridge and Ashore Seafarers

? Venue: IEEE Transactions on Intelligent Transportation Systems

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Tits.2023.3311817

? Scopus ID: 2-s2.0-85174824987

? Issn: 15249050

? eISSN: 15580016

? Volume: 24

? Issue: 11

? Pages: 13384-13395

? Authors: Cassara Pietro; Di Summa Maria; Gotta Alberto; Martelli Michele

? Keywords: Autonomous Ship; Extended reality | decision support system | digital twin | maritime IoT-based mobile communications | situation awareness | virtual bridge

? Quartile:

2025:

? Automotive Engineering (Q1, rank 2, percentile 98)

? Mechanical Engineering (Q1, rank 15, percentile 98)

? Computer Science Applications (Q1, rank 26, percentile 97)

2023:

? Automotive Engineering (Q1, rank 3, percentile 98)

? Mechanical Engineering (Q1, rank 20, percentile 97)

? Computer Science Applications (Q1, rank 43, percentile 94)

? Source Id: 18378

? Author Ids: 24767643400;56308716000;9846429300;55521641400

? Authoraffiliationids: 60008218-60103966;60021199;60008218;60025153

? Corresponding: Cassara P.

14.

? Title: Follow-the-Leader Guidance, Navigation, and Control of Surface Vessels: Design and Experiments

? Venue: IEEE Journal of Oceanic Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/Joe.2023.3292422

? Scopus ID: 2-s2.0-85171563043

? Issn: 03649059

? eISSN: 15581691

? Volume: 48

? Issue: 4

? Pages: 997-1008

? Authors: Piaggio Benedetto; Garofano Vittorio; Donnarumma Silvia; Alessandri Angelo; Negenborn Rudy; Martelli Michele

? Keywords: Azimuth-drive propulsion | escort tugs | follow-the-leader control | line of sight (LOS) | track keeping

? 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)
2023:
? Ocean Engineering (Q1, rank 4, percentile 96)
? Mechanical Engineering (Q1, rank 54, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 101, percentile 87)
? Source Id: 17277
? Author Ids: 57204360929;57210819545;55350308600;7005735677;16480813000;55521641400
? Authoraffiliationids: 60025153;60118236;60025153;60025153;60118236;60025153
? Corresponding: Piaggio B.

15.

? Title: A COLREGs-Compliant Decision Support Tool to Prevent Collisions at Sea
? Venue: Transnav
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.12716/1001.17.02.11
? Scopus ID: 2-s2.0-85163694623
? Issn: 20836473
? eISSN: 20836481
? Volume: 17
? Issue: 2
? Pages: 347-353
? Authors: Martelli M.; ?u?kin S.; Zacccone R.; Rudan I.
? Quartile:

2025:
? Ocean Engineering (Q3, rank 75, percentile 35)
? Oceanography (Q3, rank 100, percentile 34)
? Transportation (Q4, rank 121, percentile 23)
2023:
? Ocean Engineering (Q3, rank 72, percentile 31)
? Oceanography (Q4, rank 115, percentile 21)
? Transportation (Q4, rank 112, percentile 20)
? Source Id: 21100914186
? Author Ids: 55521641400;55808104300;56717793100;7007138278
? Authoraffiliationids: 60025153;60029546;60025153;60029546
? Corresponding: Martelli M.

16.

? Title: Interaction between COLREG-compliant collision avoidance systems in a multiple MASS scenario
? Venue: Journal of Physics Conference Series
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1088/1742-6596/2618/1/012006
? Scopus ID: 2-s2.0-85179626443
? Issn: 17426588
? eISSN: 17426596
? Volume: 2618
? Issue: 1
? Authors: Zacccone R.; Martelli M.
? Quartile:

2025:

? Physics and Astronomy (all) (Q4, rank 192, percentile 22)

2023:

? Physics and Astronomy (all) (Q3, rank 182, percentile 25)

? Source Id: 130053

? Author Ids: 56717793100;55521641400

? Authoraffiliationids: 60025153;60025153

? Corresponding: Zacccone R.

17.

? Title: A multi-sensor indoor tracking system for autonomous marine model-scale vehicles

? Venue: Journal of Physics Conference Series

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1088/1742-6596/2618/1/012008

? Scopus ID: 2-s2.0-85179621934

? Issn: 17426588

? eISSN: 17426596

? Volume: 2618

? Issue: 1

? Authors: Ponzini Filippo; Zacccone Raphael; Martelli Michele

? Quartile:

2025:

? Physics and Astronomy (all) (Q4, rank 192, percentile 22)

2023:

? Physics and Astronomy (all) (Q3, rank 182, percentile 25)

? Source Id: 130053

? Author Ids: 58576469000;56717793100;55521641400

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Ponzini F.

18.

? Title: Unmanned Surface Vehicle Chase a Moving Target Remotely Controlled

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2023

? Type: Book Series

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1007/978-3-031-31268-7_14

? Scopus ID: 2-s2.0-85161671157

? Issn: 03029743

? eISSN: 16113349

? Volume: 13866 LnCS

? Pages: 243-254

? Authors: Fruzzetti Camilla; Martelli Michele

? Keywords: Autonomous Surface Vessel | Guidance | Human in the loop | Target tracking

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

2023:

? Computer Science (all) (Q3, rank 121, percentile 48)

- ? Theoretical Computer Science (Q3, rank 69, percentile 47)
? Source Id: 25674
? Author Ids: 57427556800;55521641400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Fruzzetti C.
19.
? Title: Dynamic positioning operability assessment by using thrust allocation optimization
? Venue: Sustainable Development and Innovations in Marine Technologies Proceedings of the 19th International Congress of the International Maritime Association of the Mediterranean Imam 2022
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1201/9781003358961-5
? Scopus ID: 2-s2.0-85145613688
? Pages: 25-32
? Authors: Fruzzetti C.; Donnarumma S.; Martelli M.; Maggiani F.
? Source Id: 21101130449
? Author Ids: 57427556800;55350308600;55521641400;58042017600
? Authoraffiliationids: 60025153;60025153;60025153;60211436
? Corresponding: Fruzzetti C.
20.
? Title: Multi-obstacle detection and tracking algorithms for the marine environment based on unsupervised learning
? Venue: Ocean Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1016/j.oceaneng.2022.113034
? Scopus ID: 2-s2.0-85141972835
? Issn: 00298018
? Volume: 266
? Authors: Faggioni N.; Ponzini F.; Martelli M.
? Keywords: Collision avoidance | Experimental trials | LiDAR point cloud | Multi-object tracking | Unsupervised learning
? 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: 57205353851;58576469000;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Faggioni N.
21.
? Title: A Review of Ship-to-Ship Interactions in Calm Waters
? Venue: Journal of Marine Science and Engineering
? Year: 2022
? Type: Journal

? Subtype: Review
? Citations: 10
? DOI: 10.3390/jmse10121856
? Scopus ID: 2-s2.0-85144952640
? eISSN: 20771312
? Volume: 10
? Issue: 12
? Authors: DeMarco Muscat-Fenech Claire; Sant Tonio; Zheku Vito Vasilis; Villa Diego; Martelli Michele
? Keywords: experimental model interactions | head-to-head encounters | lightering operations | overtaking manoeuvres | RANS solver | ship-to-ship interaction
? Quartile:
2025:
? Ocean Engineering (Q1, rank 29, percentile 75)
? Civil and Structural Engineering (Q2, rank 110, percentile 73)
? Water Science and Technology (Q2, rank 77, percentile 72)
2022:
? Ocean Engineering (Q2, rank 39, percentile 61)
? Civil and Structural Engineering (Q2, rank 137, percentile 61)
? Water Science and Technology (Q2, rank 110, percentile 55)
? Source Id: 21100830140
? Author Ids: 57221923281;9241517500;58033617300;56250522200;55521641400
? Authoraffiliationids: 60072651;60072651;60025153;60025153;60025153
? Corresponding: DeMarco Muscat-Fenech C.

22.

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

23.

? Title: Rapid Prototyping for Enhanced Dynamic Positioning Systems
? Venue: Progress in Marine Science and Technology
? Year: 2022

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.3233/Pmst220075
? Scopus ID: 2-s2.0-85138206739
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 641-649
? Authors: Donnarumma Silvia; Fruzzetti Camilla; Martelli Michele; Chiti Roberto; Pecoraro Andrea; Sebastiani Luca
? Keywords: dynamic positioning | hardware-in-the-loop | model-based design
? 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: 55350308600;57427556800;55521641400;56845710200;57893035300;16022741600
? Authoraffiliationids: 60025153;60025153;60025153;109904344;109904344;109904344
? Corresponding: Donnarumma S.

24.

? Title: The Study of an Innovative Propulsion Plant for a High-Speed Catamaran Ferry for Decarbonisation in the Marine Industry
? Venue: Progress in Marine Science and Technology
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst220059
? Scopus ID: 2-s2.0-85138134028
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 494-502
? Authors: Taylor Alessandro; Mizzi Kurt; Spijker Selmar; Martelli Michele; Gutteridge Kurt
? Keywords: catamaran | electric | ferry | high-speed | Hybrid
? 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: 57893780700;56366619800;57893540800;55521641400;57893540900
? Authoraffiliationids: 60025153;128580661;128580661;60025153;128580661

? Corresponding: Taylor A.

25.

? Title: A design framework for combined marine propulsion control systems: From conceptualisation to sea trials validation

? Venue: Ocean Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.1016/j.oceaneng.2022.111282

? Scopus ID: 2-s2.0-85128997540

? Issn: 00298018

? Volume: 254

? Authors: Martelli M.; Figari M.

? Keywords: Combined propulsion plant | Energy efficiency | Naval vessel | Ship dynamics | Ship propulsion | Simulation

? 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: 55521641400;6507282370

? Authoraffiliationids: 60025153;60025153

? Corresponding: Martelli M.

26.

? Title: A time-domain methodology to assess the dynamic positioning performances

? Venue: Ocean Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.1016/j.oceaneng.2022.110668

? Scopus ID: 2-s2.0-85123782693

? Issn: 00298018

? Volume: 247

? Authors: Martelli M.; Faggioni N.; Donnarumma S.

? Keywords: Capability plot | Control optimisation | Dynamic positioning | Dynamic simulator | Model-based design

? 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: 55521641400;57205353851;55350308600

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Martelli M.

27.

? Title: Dynamic target chasing: parameters and performance indicators assessment

? Venue: Journal of Marine Science and Technology Japan
 ? Year: 2022
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 11
 ? DOI: 10.1007/s00773-021-00865-3
 ? Scopus ID: 2-s2.0-85123502826
 ? Issn: 09484280
 ? Volume: 27
 ? Issue: 1
 ? Pages: 712-729
 ? Authors: Fruzzetti Camilla; Donnarumma Silvia; Martelli Michele
 ? Keywords: Autonomous surface vessel | Constant bearing | Guidance | Line-of-sight | Target tracking
 ? 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)
 2022:
 ? Mechanical Engineering (Q2, rank 161, percentile 74)
 ? Ocean Engineering (Q2, rank 27, percentile 73)
 ? Oceanography (Q2, rank 39, percentile 71)
 ? Mechanics of Materials (Q2, rank 113, percentile 71)
 ? Source Id: 27784
 ? Author Ids: 57427556800;55350308600;55521641400
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Fruzzetti C.

28.

? Title: Collision-avoidance capabilities reduction after a cyber-attack to the navigation sensors
 ? Venue: Proceedings of the International Ship Control Systems Symposium
 ? Year: 2022
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 3
 ? Doi: 10.24868/10729
 ? Scopus ID: 2-s2.0-85187450570
 ? eISSN: 26318741
 ? Authors: Longo Giacomo; Martelli Michele; Russo Enrico; Zaccone Raphael
 ? Keywords: Autonomous Ship | Collision Avoidance | Cyber-attack | Cyber-range
 ? Quartile:
 2025:
 ? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
 ? Ocean Engineering (Q4, rank 93, percentile 20)
 ? Control and Systems Engineering (Q4, rank 327, percentile 14)
 ? Human-Computer Interaction (Q4, rank 174, percentile 9)
 ? Source Id: 21101052918
 ? Author Ids: 57468566600;55521641400;57197855120;56717793100
 ? Authoraffiliationids: 60121711;60025153;60121711;60025153
 ? Corresponding: Longo G.

29.

? Title: Detecting and Tracking Multi-Object in Real Marine Environment

? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.24868/10707
? Scopus ID: 2-s2.0-85187410750
? eISSN: 26318741
? Authors: Martelli Michele; Faggioni Nicolo; Ponzini Filippo
? Keywords: Autonomous Ship | Collision Detection | LiDAR Point Cloud | Multi-Object Tracking | Sea Trials | Unsupervised Learning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
? Source Id: 21101052918
? Author Ids: 55521641400;57205353851;58576469000
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Martelli M.

30.

? Title: A simulation based tool to assess the propulsion performance of modern conventional submarines
? Venue: 2022 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Speedam53979.2022.9842197
? Scopus ID: 2-s2.0-85136216304
? Pages: 628-633
? Authors: Zaccone Raphael; Figari Massimo; Martelli Michele
? Keywords: Air independent propulsion | Dynamical simulation | Hybrid propulsion | Naval ships | Submarines
? Source Id: 21101101911
? Author Ids: 56717793100;6507282370;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Zaccone R.

31.

? Title: Multiphysics Modeling and Simulation of Integrated Electric Propulsion System for Ship Dynamic Positioning
? Venue: 2022 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Speedam53979.2022.9841976
? Scopus ID: 2-s2.0-85136188410
? Pages: 645-650
? Authors: Donnarumma S.; Martelli M.; D'Agostino F.; Kaza D.; Silvestro F.
? Keywords: Dynamic positioning | electric propulsion | frequency regulation |

multiphysics modeling

? Source Id: 21101101911

? Author Ids: 55350308600;55521641400;56553864200;57218924925;23026343700

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

? Corresponding: Donnarumma S.

32.

? Title: Obstacle Detection in Real and Synthetic Harbour Scenarios

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2022

? Type: Book Series

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1007/978-3-030-98260-7_2

? Scopus ID: 2-s2.0-85128769544

? Issn: 03029743

? eISSN: 16113349

? Volume: 13207 LnCS

? Pages: 26-38

? Authors: Faggioni Nicol[†]; Leonardi Nicola; Ponzini Filippo; Sebastiani Luca; Martelli Michele

? Keywords: Autonomous navigation | Clustering | LiDAR point cloud | Marine scenario

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

2022:

? Computer Science (all) (Q3, rank 126, percentile 46)

? Theoretical Computer Science (Q3, rank 84, percentile 34)

? Source Id: 25674

? Author Ids: 57205353851;57610700600;58576469000;16022741600;55521641400

? Authoraffiliationids: 60025153;121267422;60025153;121267422;60025153

? Corresponding: Faggioni N.

33.

? Title: Optimisation of a diesel-electric ship propulsion and power generation system using a genetic algorithm

? Venue: Journal of Marine Science and Engineering

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 32

? DOI: 10.3390/jmse9060587

? Scopus ID: 2-s2.0-85107834293

? eISSN: 20771312

? Volume: 9

? Issue: 6

? Authors: Zaccone Raphael; Campora Ugo; Martelli Michele

? Keywords: Electric propulsion | Energy efficiency | Genetic algorithm | Optimisation | Ship design | Ship propulsion

? 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: 56717793100;6508251998;55521641400
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Zacccone R.

34.

- ? Title: Parameter identification of a model scale ship drive train
- ? Venue: Journal of Marine Science and Engineering
- ? Year: 2021
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 5
- ? DOI: 10.3390/jmse9030268
- ? Scopus ID: 2-s2.0-85102491760
- ? eISSN: 20771312
- ? Volume: 9
- ? Issue: 3
- ? Pages: 1-26
- ? Authors: Vrijdag Arthur; Martelli Michele
- ? Keywords: Condition-based maintenance | Data-driven ship propulsion model | Digital twin | Marine propulsion system | Parameter identification
- ? 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: 23010544000;55521641400
- ? Authoraffiliationids: 60118247;60025153
- ? Corresponding: Vrijdag A.

35.

- ? Title: Z-drive escort tug manoeuvrability modelling: From model-scale to full-scale validation
- ? Venue: Developments in Maritime Technology and Engineering Proceedings of the 5th International Conference on Maritime Technology and Engineering Martech 2020
- ? Year: 2021
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Doi: 10.1201/9781003216599-23
- ? Scopus ID: 2-s2.0-85145495960
- ? Volume: 2
- ? Pages: 207-216
- ? Authors: Piaggio B.; Viviani M.; Martelli M.; Figari M.
- ? Source Id: 21101129854
- ? Author Ids: 57204360929;58090077400;55521641400;6507282370
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Piaggio B.

36.

? Title: An Outlook on the Future Marine Traffic Management System for Autonomous Ships

? Venue: IEEE Access

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 54

? Doi: 10.1109/Access.2021.3130741

? Scopus ID: 2-s2.0-85120571973

? eISSN: 21693536

? Volume: 9

? Pages: 157316-157328

? Authors: Martelli Michele; Viridis Antonio; Gotta Alberto; Cassara Pietro; DI Summa Maria

? Keywords: Autonomous navigation | control | guidance | navigation | vessel traffic system

? Quartile:

2025:

? Engineering (all) (Q1, rank 42, percentile 88)

? Computer Science (all) (Q1, rank 41, percentile 83)

? Materials Science (all) (Q1, rank 101, percentile 78)

2021:

? Engineering (all) (Q1, rank 28, percentile 90)

? Computer Science (all) (Q1, rank 34, percentile 85)

? Subject (Q1, rank 124, percentile 82)

? Materials Science (all) (Q1, rank 104, percentile 77)

? Source Id: 21100374601

? Author Ids: 55521641400;56342812200;9846429300;24767643400;56308716000

? Authoraffiliationids: 60025153;60028868;60008218;60008218;60025153

? Corresponding: Martelli M.

37.

? Title: The use of computational fluid dynamic technique in ship control design

? Venue: Ships and Offshore Structures

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1080/17445302.2019.1706908

? Scopus ID: 2-s2.0-85077165478

? Issn: 17445302

? Volume: 16

? Issue: 1

? Pages: 31-45

? Authors: Martelli M.; Villa D.; Viviani M.; Donnarumma S.; Figari M.

? Keywords: CFD | control design | marine propulsion plant | Ship dynamics | simulation techniques | slow-speed manoeuvrability

? Quartile:

2025:

? Ocean Engineering (Q2, rank 33, percentile 71)

? Mechanical Engineering (Q2, rank 235, percentile 68)

2021:

? Mechanical Engineering (Q2, rank 203, percentile 66)

? Ocean Engineering (Q2, rank 34, percentile 65)

? Source Id: 19700186818

? Author Ids: 55521641400;56250522200;58090077400;55350308600;6507282370

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

? Corresponding: Martelli M.

38.

? Title: Development of a multiphysics real-time simulator for model-based design of a DC shipboard microgrid

? Venue: Energies

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 19

? DOI: 10.3390/en13143580

? Scopus ID: 2-s2.0-85090804759

? eISSN: 19961073

? Volume: 13

? Issue: 14

? Authors: D'Agostino Fabio; Kaza Daniele; Martelli Michele; Schiapparelli Giacomo P.; Silvestro Federico; Soldano Carlo

? Keywords: DC microgrid | HIL | Marine propulsion | Model-based design | Multi physics simulation | Ship dynamic | Shipboard power systems

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2020:

? Control and Optimization (Q1, rank 17, percentile 85)

? Engineering (miscellaneous) (Q1, rank 13, percentile 83)

? Electrical and Electronic Engineering (Q2, rank 183, percentile 73)

? Energy (miscellaneous) (Q2, rank 7, percentile 72)

? Energy Engineering and Power Technology (Q2, rank 62, percentile 72)

? Fuel Technology (Q2, rank 33, percentile 67)

? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 64)

? Source Id: 62932

? Author Ids: 56553864200;57218924925;55521641400;57204003255;23026343700;57218925964

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60102057

? Corresponding: D'Agostino F.

39.

? Title: A collision avoidance algorithm for ship guidance applications

? Venue: Journal of Marine Engineering and Technology

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 73

? Doi: 10.1080/20464177.2019.1685836

? Scopus ID: 2-s2.0-85075005148

? Issn: 20464177

? eISSN: 20568487

? Volume: 19

? Issue: sup1
? Pages: 62-75
? Authors: Zacccone Raphael; Martelli Michele
? Quartile:
2025:
? Ocean Engineering (Q1, rank 12, percentile 90)
2020:
? Ocean Engineering (Q2, rank 41, percentile 57)
? Source Id: 21100470126
? Author Ids: 56717793100;55521641400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zacccone R.

40.

? Title: A novel model based-design approach for a dynamic positioning system
? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.24868/issn.2631-8741.2020.002
? Scopus ID: 2-s2.0-85110557089
? eISSN: 26318741
? Volume: 1
? Authors: Martelli M.; Faggioni N.; Donnarumma S.
? Keywords: Control Optimisation | Dynamic Positioning | Model-based Analysis | Motion Control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
? Source Id: 21101052918
? Author Ids: 55521641400;57205353851;55350308600
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Martelli M.

41.

? Title: Follow-the-leader control strategy for azimuth propulsion system on surface vessels
? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.24868/issn.2631-8741.2020.004
? Scopus ID: 2-s2.0-85110438737
? eISSN: 26318741
? Volume: 1
? Authors: Piaggio B.; Garofano V.; Donnarumma S.; Alessandri A.; Negenborn R. R.; Martelli M.
? Keywords: Azimuthal Propulsion | Follow-the-Leader | Line-of-Sight | Path-Following | Platooning | Tugs
? Quartile:
2025:

? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
? Source Id: 21101052918
? Author Ids: 57204360929;57210819545;55350308600;7005735677;16480813000;55521641400
? Authoraffiliationids: 60025153;60118236;60025153;60025153;60118236;60025153
? Corresponding: Piaggio B.

42.

? Title: The collaborative autonomous shipping experiment (Case): Motivations, theory, infrastructure, and experimental challenges
? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? DOI: 10.24868/issn.2631-8741.2020.014
? Scopus ID: 2-s2.0-85110427177
? eISSN: 26318741
? Volume: 1
? Authors: Haseltalab Ali; Garofano Vittorio; Afzal Muhammad Raheel; Faggioni Nicolò; Li Shijie; Liu Jialun; Ma Feng; Martelli Michele; Singh Yogang; Slaets Peter; You Xu; Negenborn Rudy R.
? Keywords: Collaborative Shipping | Model Vessels. Autonomous Shipping | Obstacle Avoidance | Path Planning | Trajectory Tracking
? Quartile:

2025:

? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
? Source Id: 21101052918
? Author Ids: 56820151300;57210819545;55607245400;57205353851;56044135200;36548777800;59105097100;55521641400;57192315885;15137408000;57796234200;16480813000
? Authoraffiliationids: 60118236;60118236;60025063;60025153;60022414;60022414-115178096;60022414-115178096;60025153;60025063;60025063;60022414-115178096;60118236
? Corresponding: Haseltalab A.

43.

? Title: Simulation of the Guidance and Control Systems for Underactuated Vessels
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2020
? Type: Book Series
? Subtype: Conference Paper
? Citations: 16
? Doi: 10.1007/978-3-030-43890-6_9
? Scopus ID: 2-s2.0-85083715563
? Issn: 03029743
? eISSN: 16113349
? Volume: 11995 Lncs
? Pages: 108-119
? Authors: Donnarumma Silvia; Figari Massimo; Martelli Michele; Zaccone Raphael
? Keywords: Autonomous vessels | Collision avoidance | Simulation | Track keeping
? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

2020:

? Computer Science (all) (Q2, rank 113, percentile 50)

? Theoretical Computer Science (Q4, rank 91, percentile 24)

? Source Id: 25674

? Author Ids: 55350308600;6507282370;55521641400;56717793100

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Donnarumma S.

44.

? Title: Development of a navigation support system by means of a synthetic scenario

? Venue: Sustainable Development and Innovations in Marine Technologies Proceedings of the 18th International Congress of the International Maritime Association of the Mediterranean Imam 2019

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Scopus ID: 2-s2.0-85079226039

? Pages: 481-487

? Authors: Martelli M.; Faggioni N.; Zacccone R.

? Source Id: 21100944631

? Author Ids: 55521641400;57205353851;56717793100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Martelli M.

45.

? Title: Z-Drive Escort Tug manoeuvrability model and simulation

? Venue: Ocean Engineering

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 32

? DOI: 10.1016/j.oceaneng.2019.106461

? Scopus ID: 2-s2.0-85073011172

? Issn: 00298018

? Volume: 191

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

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

? Quartile:

2025:

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

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

2019:

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

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

? Source Id: 28339

? Author Ids: 57204360929;58090077400;55521641400;6507282370

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Piaggio B.

46.

? Title: Fuel saving in a marine propulsion plant by using a continuously variable transmission

? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1177/1475090218806977
? Scopus ID: 2-s2.0-85059667461
? Issn: 14750902
? eISSN: 20413084
? Volume: 233
? Issue: 4
? Pages: 1007-1021
? Authors: Martelli Michele; Faggioni Nicol[†]; Berselli Giovanni
? Keywords: continuously variable transmission | fuel consumption | Marine propulsion plant | ship energy efficiency | time domain simulation
? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2019:
? Ocean Engineering (Q2, rank 30, percentile 67)
? Mechanical Engineering (Q2, rank 222, percentile 62)
? Source Id: 25596
? Author Ids: 55521641400;57205353851;24483038000
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Martelli M.

47.

? Title: Experimental assessment of the fouling control coating effect on the fuel consumption rate
? Venue: Ocean Engineering
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1016/j.oceaneng.2019.106233
? Scopus ID: 2-s2.0-85069898764
? Issn: 00298018
? Volume: 188
? Authors: Notti Emilio; Figari Massimo; Sala Antonello; Martelli Michele
? Keywords: Energy efficiency | Fisheries | Foul-release coating | Fuel saving | Marine propulsion plant
? 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: 56045283900;6507282370;7101706705;55521641400
? Authoraffiliationids: 60021199;60025153;60021199-60103695;60025153
? Corresponding: Notti E.

48.

- ? Title: A colreg-compliant ship collision avoidance algorithm
 ? Venue: 2019 18th European Control Conference Ecc 2019
 ? Year: 2019
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 51
 ? Doi: 10.23919/Ecc.2019.8796207
 ? Scopus ID: 2-s2.0-85071527416
 ? Pages: 2530-2535
 ? Authors: Zaccone Raphael; Martelli Michele; Figari Massimo
 ? Keywords: Autonomous Ship | Collision Avoidance | COLREGs | Path Planning | RRT | Ship Simulator
 ? Source Id: 21100926603
 ? Author Ids: 56717793100;55521641400;6507282370
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Zaccone R.
49.
 ? Title: A diesel engine modelling approach for ship propulsion real-time simulators
 ? Venue: Journal of Marine Science and Engineering
 ? Year: 2019
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 37
 ? DOI: 10.3390/jmse7050138
 ? Scopus ID: 2-s2.0-85066424140
 ? eISSN: 20771312
 ? Volume: 7
 ? Issue: 5
 ? Authors: Altosole Marco; Campora Ugo; Figari Massimo; Laviola Michele; Martelli Michele
 ? Keywords: Computation time | Cylinder dynamics | Diesel engine | Real-time simulation | Ship propulsion
 ? Quartile:
 2025:
 ? Ocean Engineering (Q1, rank 29, percentile 75)
 ? Civil and Structural Engineering (Q2, rank 110, percentile 73)
 ? Water Science and Technology (Q2, rank 77, percentile 72)
 2019:
 ? Ocean Engineering (Q2, rank 43, percentile 53)
 ? Civil and Structural Engineering (Q3, rank 165, percentile 46)
 ? Water Science and Technology (Q3, rank 117, percentile 46)
 ? Source Id: 21100830140
 ? Author Ids: 13006187800;6508251998;6507282370;56046632000;55521641400
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Altosole M.
50.
 ? Title: Motion control for autonomous navigation in blue and narrow waters using switched controllers
 ? Venue: Journal of Marine Science and Engineering
 ? Year: 2019
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 26
 ? DOI: 10.3390/jmse7060196

? Scopus ID: 2-s2.0-85069226288
? eISSN: 20771312
? Volume: 7
? Issue: 6
? Authors: Alessandri Angelo; Donnarumma Silvia; Martelli Michele; Vignolo Stefano
? Keywords: Low-speed maneuvering | Marine simulation | Motion control
? Quartile:
2025:
? Ocean Engineering (Q1, rank 29, percentile 75)
? Civil and Structural Engineering (Q2, rank 110, percentile 73)
? Water Science and Technology (Q2, rank 77, percentile 72)
2019:
? Ocean Engineering (Q2, rank 43, percentile 53)
? Civil and Structural Engineering (Q3, rank 165, percentile 46)
? Water Science and Technology (Q3, rank 117, percentile 46)
? Source Id: 21100830140
? Author Ids: 7005735677;55350308600;55521641400;6602505719
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Alessandri A.

51.

? Title: Design and Validation of Dynamic Positioning for Marine Systems: A Case Study
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 40
? Doi: 10.1109/Joe.2017.2732298
? Scopus ID: 2-s2.0-85031816570
? Issn: 03649059
? Volume: 43
? Issue: 3
? Pages: 677-688
? Authors: Donnarumma Silvia; Figari Massimo; Martelli Michele; Vignolo Stefano; Viviani Michele
? Keywords: Dynamic positioning | environmental disturbances | propulsion modeling | simulation-based design
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
2018:
? Ocean Engineering (Q1, rank 5, percentile 95)
? Mechanical Engineering (Q1, rank 76, percentile 87)
? Electrical and Electronic Engineering (Q1, rank 117, percentile 82)
? Source Id: 17277
? Author Ids: 55350308600;6507282370;55521641400;6602505719;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Donnarumma S.

52.

? Title: A new escort tug family designed to anticipate new safety requirements and operational needs
? 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: 3
? Doi: 10.3233/978-1-61499-870-9-986
? Scopus ID: 2-s2.0-85087607228
? Pages: 986-993
? Authors: Figari Massimo; Martinelli Luca; Martelli Michele; Enoizi Lucia; Piaggio Benedetto
? Keywords: Escort tug | Maneuvrability | Simulation | Tug
? Source Id: 21101023871
? Author Ids: 6507282370;57203641272;55521641400;57204365897;57204360929
? Authoraffiliationids: 60025153;110039644;60025153;110039644;60025153
? Corresponding: Figari M.

53.

? Title: A random sampling based algorithm for ship path planning with obstacles
? Venue: Proceedings of the International Ship Control Systems Symposium
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 24
? DOI: 10.24868/issn.2631-8741.2018.018
? Scopus ID: 2-s2.0-85079251106
? eISSN: 26318741
? Volume: 1
? Authors: Zacccone R.; Martelli M.
? Keywords: Collision Avoidance | Path Planning | RRT* | Ship Simulator
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)
? Ocean Engineering (Q4, rank 93, percentile 20)
? Control and Systems Engineering (Q4, rank 327, percentile 14)
? Human-Computer Interaction (Q4, rank 174, percentile 9)
? Source Id: 21101052918
? Author Ids: 56717793100;55521641400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zacccone R.

54.

? Title: Escort tug hydrodynamic forces estimation in a design framework: From model test to manoeuvrability simulation
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1115/Omae2018-78052
? Scopus ID: 2-s2.0-85055354752
? Volume: 11B
? Authors: Piaggio Benedetto; Viviani Michele; Martelli Michele
? Source Id: 91440
? Author Ids: 57204360929;58090077400;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Piaggio B.

55.

? Title: An optimization tool for ship route planning in real weather scenarios
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 16
? Scopus ID: 2-s2.0-85053479460
? Issn: 10986189
? eISSN: 15551792
? Volume: 2018-June
? Pages: 738-744
? Authors: Zaccone Raphael; Figari Massimo; Martelli Michele
? Keywords: Dynamic programming | Ship propulsion | Ship simulation | Voyage optimization | Weather routing
? 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: 56717793100;6507282370;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Zaccone R.

56.

? Title: Holistic modeling of the global propulsion energy index in waves for small craft
? Venue: International Journal of Offshore and Polar Engineering
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.17736/ijope.2017.mk54
? Scopus ID: 2-s2.0-85041485618
? Issn: 10535381
? Volume: 27
? Issue: 4
? Pages: 442-447
? Authors: Martelli Michele; Vernengo Giuliano; Bruzzone Dario; Notti Emilio
? Keywords: Added resistance | Boundary element method (BEM) | Decision support system | Energy efficiency | Fishery | Fuel consumption
? Quartile:
2025:
? Ocean Engineering (Q3, rank 77, percentile 34)
? Mechanical Engineering (Q3, rank 487, percentile 33)
? Civil and Structural Engineering (Q3, rank 294, percentile 29)
2017:
? Mechanical Engineering (Q3, rank 349, percentile 39)
? Ocean Engineering (Q3, rank 57, percentile 39)
? Civil and Structural Engineering (Q3, rank 181, percentile 36)

? Source Id: 20452
? Author Ids: 55521641400;37662376400;6602292559;56045283900
? Authoraffiliationids: 60025153;60025153;60025153;60007525
? Corresponding: Martelli M.

57.

? Title: Real-Time model-based design for CODLAG propulsion control strategies
? Venue: Ocean Engineering
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 34
? DOI: 10.1016/j.oceaneng.2017.06.029
? Scopus ID: 2-s2.0-85020982629
? Issn: 00298018
? Volume: 141
? Pages: 265-276
? Authors: Martelli M.; Figari M.
? Keywords: CODLAG | Control system | Hardware in the loop | Marine propulsion plant | Model-based design | Ship simulation
? 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: 55521641400;6507282370
? Authoraffiliationids: 60025153;60025153
? Corresponding: Martelli M.

58.

? Title: Propulsion control strategies for ship emergency manoeuvres
? Venue: Ocean Engineering
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 25
? DOI: 10.1016/j.oceaneng.2017.03.053
? Scopus ID: 2-s2.0-85016457628
? Issn: 00298018
? Volume: 137
? Pages: 99-109
? Authors: Altosole M.; Martelli M.
? Keywords: Crash stop | Engine | Propeller pitch | Ship propulsion control | Simulation based design | Slam start
? 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: 13006187800;55521641400

? Authoraffiliationids: 60025153;60025153

? Corresponding: Altosole M.

59.

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

? Venue: Maritime Transportation and Harvesting of Sea Resources

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Scopus ID: 2-s2.0-85055317705

? Volume: 1

? Pages: 95-104

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

? Source Id: 21100886381

? Author Ids: 57204360929;55521641400;58090077400;6507282370

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Piaggio B.

60.

? Title: Numerical and experimental investigation for the performance assessment of full electric marine propulsion plant

? Venue: Maritime Transportation and Harvesting of Sea Resources

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Scopus ID: 2-s2.0-85053838368

? Volume: 1

? Pages: 87-93

? Authors: Martelli M.; Figari M.

? Source Id: 21100886381

? Author Ids: 55521641400;6507282370

? Authoraffiliationids: 60025153;60025153

? Corresponding: Martelli M.

61.

? Title: Preliminary design of the hybrid propulsion architecture for the research vessel "G. Dallaporta"

? Venue: 2016 International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 31

? Doi: 10.1109/Esars-Itec.2016.7841342

? Scopus ID: 2-s2.0-85015378566

? Authors: Capasso C.; Veneri O.; Notti E.; Sala A.; Figari M.; Martelli M.

? Keywords: hybrid ship | marine energy generation systems | marine propulsion plant

? Source Id: 21101179807

? Author Ids: 35328966800;8696403200;56045283900;7101706705;6507282370;55521641400

? Authoraffiliationids: 60083730;60083730;60007525;60007525;60025153;60025153

? Corresponding: Capasso C.

62.

? Title: A simulation approach for planing boats propulsion and manoeuvrability

? Venue: Transactions of the Royal Institution of Naval Architects Part B International Journal of Small Craft Technology
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.3940/rina.ijsc.2016.b1.180
? Scopus ID: 2-s2.0-84994741708
? Issn: 17400694
? Volume: 158
? Pages: B-27-B-42
? Authors: Ircani A.; Martelli M.; Viviani M.; Altosole M.; Podenzana-Bonvino C.; Grassi D.
? Quartile:
2016:
? Ocean Engineering (Q4, rank 71, percentile 18)
? Civil and Structural Engineering (Q4, rank 232, percentile 10)
? Source Id: 5000154004
? Author Ids: 57191916408;55521641400;58090077400;13006187800;6507106439;36630335500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;119025636
? Corresponding: Ircani A.

63.

? Title: Overall efficiency assessment of a trawler propulsion system based on hydrodynamic performance computations
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-84987917208
? Issn: 10986189
? eISSN: 15551792
? Volume: 2016-January
? Pages: 875-882
? Authors: Martelli Michele; Vernengo Giuliano; Bruzzone Dario; Notti Emilio
? Keywords: Added resistance in waves | Boundary element method (BEM) | Decision support system | Energy efficiency | Fishery | Fuel consumption
? 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)
2016:
? Energy Engineering and Power Technology (Q3, rank 128, percentile 32)
? Ocean Engineering (Q3, rank 63, percentile 28)
? Mechanical Engineering (Q3, rank 395, percentile 27)
? Source Id: 77392
? Author Ids: 55521641400;37662376400;6602292559;56045283900
? Authoraffiliationids: 60025153;60025153;60025153;60007525
? Corresponding: Martelli M.

64.

? Title: Marine propulsion simulation
? Venue: Marine Propulsion Simulation
? Year: 2015

? Type: Book
? Subtype: Book
? Citations: 38
? Scopus ID: 2-s2.0-84957713108
? Pages: 1-104
? Authors: Martelli Michele
? Source Id: 21100444539
? Author Ids: 55521641400
? Authoraffiliationids: 60025153
? Corresponding: Martelli M.

65.

? Title: System control design of autopilot and speed pilot for a patrol vessel by using Imis
? 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: 24
? DOI: 10.1201/b18855-76
? Scopus ID: 2-s2.0-85100125962
? Pages: 577-583
? Authors: Alessandri A.; Donnarumma S.; Vignolo S.; Figari M.; Martelli M.; Chiti R.; Sebastiani L.
? Source Id: 21101081684
? Author Ids:
7005735677;55350308600;6602505719;6507282370;55521641400;56845710200;16022741600
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;121267422;121267422
? Corresponding: Alessandri A.

66.

? Title: Reverse engineering techniques for trawler hull 3D modelling and energy efficiency evaluation
? Venue: 18th International Conference on Ships and Shipping Research Nav 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Scopus ID: 2-s2.0-85012870906
? Pages: 1050-1060
? Authors: Tasseti Anna Nora; Martelli Michele; Buglioni Gabriele
? Source Id: 21100795196
? Author Ids: 57199423078;55521641400;6504551335
? Authoraffiliationids: 60021199;60025153;60021199
? Corresponding: Tasseti A.

67.

? Title: Dynamic positioning system of a vessel with conventional propulsion configuration: Modeling and simulation
? 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: 19
? DOI: 10.1201/b17494-97
? Scopus ID: 2-s2.0-84941730047
? Pages: 725-734
? Authors: Alessandri A.; Donnarumma S.; Luria G.; Martelli M.; Vignolo S.; Chiti R.; Sebastiani L.
? Source Id: 21100991068
? Author Ids:
7005735677;55350308600;54946168800;55521641400;6602505719;56845710200;16022741600
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;109536273;109536273
? Corresponding: Alessandri A.

68.

? Title: Numerical models for ship dynamic positioning
? Venue: Marine 2015 Computational Methods in Marine Engineering Vi
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Scopus ID: 2-s2.0-84938865811
? Pages: 1078-1088
? Authors: Donnarumma S.; Martelli M.; Vignolo S.
? Keywords: Dynamic positioning | Model-based design | Propulsion plant | Ship | Simulation
? Source Id: 21100403413
? Author Ids: 55350308600;55521641400;6602505719
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Donnarumma S.

69.

? Title: Numerical modelling of propulsion, control and ship motions in 6 degrees of freedom
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 55
? Doi: 10.1177/1475090214544181
? Scopus ID: 2-s2.0-84927770471
? Issn: 14750902
? eISSN: 20413084
? Volume: 228
? Issue: 4
? Pages: 373-397
? Authors: Martelli Michele; Viviani Michele; Altosole Marco; Figari Massimo; Vignolo Stefano
? Keywords: Manoeuvrability | Marine engine | Propulsion control simulation | Rudder | Sea trials | Ship motions
? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2014:
? Ocean Engineering (Q2, rank 30, percentile 65)

? Mechanical Engineering (Q2, rank 212, percentile 59)
? Source Id: 25596
? Author Ids: 55521641400;58090077400;13006187800;6507282370;6602505719
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Martelli M.

70.

? Title: Simulation study on the interaction between sailing and motor propulsion to optimize performance and control of the tall ship "Amerigo Vespucci"
? 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: 5
? Scopus ID: 2-s2.0-84894418698
? Volume: 1
? Pages: 575-582
? Authors: Altosole M.; Figari M.; Martelli M.; Passano L.; Rocca M.; Giuliano M.; Piva L.
? Source Id: 21100286947
? Author Ids: 13006187800;6507282370;55521641400;56046677200;56044957400;57197635695;55371679900
? Authoraffiliationids: 60025153;60025153;60025153;60081931;60081931;109885832;109885832
? Corresponding: Altosole M.

71.

? Title: Performance decay analysis of a marine gas turbine propulsion system
? Venue: Journal of Ship Research
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 36
? Doi: 10.5957/Josr.58.3.130037
? Scopus ID: 2-s2.0-84906279798
? Issn: 00224502
? eISSN: 15420604
? Volume: 58
? Issue: 3
? Pages: 117-129
? Authors: Altosole Marco; Campora Ugo; Martelli Michele; Figari Massimo
? Keywords: Gas turbine | Maintenance | Performance decay | Pollutant emissions | Ship propulsion | Simulation
? 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)
2014:
? Ocean Engineering (Q1, rank 20, percentile 77)
? Civil and Structural Engineering (Q1, rank 56, percentile 75)
? Mechanical Engineering (Q2, rank 134, percentile 74)

? Applied Mathematics (Q2, rank 130, percentile 67)
? Numerical Analysis (Q2, rank 15, percentile 64)
? Source Id: 25663
? Author Ids: 13006187800;6508251998;55521641400;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Altosole M.

72.

? Title: Controllable pitch propeller actuating mechanism, modelling and simulation
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 51
? Doi: 10.1177/1475090212468254
? Scopus ID: 2-s2.0-84900871276
? Issn: 14750902
? eISSN: 20413084
? Volume: 228
? Issue: 1
? Pages: 29-43
? Authors: Martelli Michele; Figari Massimo; Altosole Marco; Vignolo Stefano
? Keywords: Controllable pitch propeller | Pitch mechanism | Ship propulsion | Simulation
? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2014:
? Ocean Engineering (Q2, rank 30, percentile 65)
? Mechanical Engineering (Q2, rank 212, percentile 59)
? Source Id: 25596
? Author Ids: 55521641400;6507282370;13006187800;6602505719
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Martelli M.

73.

? Title: Numerical analysis of the ship propulsion control system effect on manoeuvring characteristics in model and full scale marine 2013
? Venue: Computational Methods in Marine Engineering V Proceedings of the 5th International Conference on Computational Methods in Marine Engineering Marine 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84891362895
? Pages: 400-411
? Authors: Altosole M.; Figari M.; Martelli M.; Nataletti M.; Vignolo S.; Viviani M.
? Keywords: Control system | Marine propulsion plant | Model and full scale tests | Numerical simulation | Ship manoeuvrability
? Source Id: 21100277019
? Author Ids: 13006187800;6507282370;55521641400;55978646700;6602505719;58090077400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Altosole M.

74.

? Title: Simulation study on the interaction between sailing and motor propulsion to optimize performance and control of the tall ship ?Amerigo Vespucci?
? Venue: Developments in Maritime Transportation and Exploitation of Sea Resources
? Year: 2013
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Scopus ID: 2-s2.0-85054949955
? Pages: 575-582
? Authors: Altosole M.; Figari M.; Martelli M.; Passano L.; Rocca M.; Giuliano M.; Piva L.
? Source Id: 21100881512
? Author Ids:
13006187800;6507282370;55521641400;56046677200;56044957400;57197635695;55371679900
? Authoraffiliationids: 60025153;60025153;60025153;60081931;60081931;;
? Corresponding: Altosole M.

75.

? Title: Time-domain simulation for marine propulsion applications
? Venue: Proceedings of the 2012 Summer Computer Simulation Conference Scsc 2012 Part of Summersim 2012 Multiconference
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 25
? Scopus ID: 2-s2.0-84871028646
? Volume: 44
? Issue: 10
? Pages: 36-43
? Authors: Altosole M.; Figari M.; Martelli M.
? Keywords: Control system | Ship propulsion | Virtual reality
? Source Id: 21100223168
? Author Ids: 13006187800;6507282370;55521641400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Altosole M.

76.

? Title: A mathematical model of the propeller pitch change mechanism for the marine propulsion control design
? 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: 14
? Scopus ID: 2-s2.0-84896845373
? Volume: 2
? Pages: 649-656
? Authors: Altosole M.; Martelli M.; Vignolo S.
? Source Id: 21100291826
? Author Ids: 13006187800;55521641400;6602505719
? Corresponding: Altosole M.

77.

? Title: Marine gas turbines pollutant emissions assessment
? Venue: Nav International Conference on Ship and Shipping Research

? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85017009662
? Issn: 22828397
? Volume: 0
? Authors: Altosole Marco; Benvenuto Giovanni; Campora Ugo; Martelli Michele; Bruga Luca
? Source Id: 21100875435
? Author Ids: 13006187800;57197362695;6508251998;55521641400;57203634805
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Altosole M.

78.

? Title: Propulsion control optimisation for emergency manoeuvres of naval vessels
? Venue: Inec 2012 11th International Naval Engineering Conference and Exhibition
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Scopus ID: 2-s2.0-84916910545
? Authors: Altosole M.; Figari M.; Martelli M.; Orr^, G.
? Source Id: 21100349575
? Author Ids: 13006187800;6507282370;55521641400;56443939500
? Authoraffiliationids: 60025153;60025153;60025153;109536273
? Corresponding: Altosole M.

79.

? Title: A mathematical model of the propeller pitch change mechanism for the marine propulsion control design
? Venue: Sustainable Maritime Transportation and Exploitation of Sea Resources
? Year: 2011
? Type: Book
? Subtype: Book Chapter
? Citations: 1
? Scopus ID: 2-s2.0-85069418751
? Pages: 649-656
? Authors: Altosole M.; Martelli M.; Vignolo S.
? Source Id: 21100919791
? Author Ids: 13006187800;55521641400;6602505719
? Corresponding: Altosole M.