

DONNARUMMA SILVIA

Overview

- ? Unit: NAV
- ? Role: Ricercatore
- ? Grade: Ricercatore t.d. art. 24 c. 3 lett. B Legge 240/10 (t.pieno) + 20%
- ? SSD: IIND-01/B (Costruzioni e impianti navali)
- ? Scopus ID: 55350308600
- ? Unige Id: 291036
- ? Retrieved at: 2025-11-14T15:13:52.229999

Contact

- ? Email: silvia.donnarumma@unige.it
- ? Page: <https://rubrica.unige.it/personale/V0pGW1v>
- ? Locations: Villa Cambiaso - padiglioni (ED161450103), 1° piano, US161450103.I.037

Career

- ? Cb, 2015-04-07 ? 2020-12-30
- ? Ar, 2017-12-01 ? 2019-11-30
- ? Rd, 2020-12-31 ? 2027-06-30

Teaching

2025

- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale
- ? Impianti E Allestimento Navale (111158), L-9 - Ingegneria Navale
- ? Ship Propulsion (101129), L-28 - Maritime Science And Technology

2024

- ? Impianti Navali B (Cdl) (56992), L-9 - Ingegneria Nautica
- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale
- ? Ship Plants And System Safety (101134), L-28 - Maritime Science And Technology

2023

- ? Impianti Navali B (Cdl) (56992), L-9 - Ingegneria Nautica
- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale

2022

- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale
- ? Ship Propulsion (101129), L-28 - Maritime Science And Technology

2021

- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale
- ? Ship Propulsion (101129), L-28 - Maritime Science And Technology

2020

- ? Mezzi Navali Offshore (90574), L-9 - Ingegneria Navale
- ? Ship Propulsion (101129), L-28 - Maritime Science And Technology

Scopus Metrics

- ? absolute; Docs: 29; Journals: 13; Conferences: 15; Citations: 262; H-index: 10
- ? 15 years (2010-2025); Docs: 29; Journals: 13; Conferences: 15; Citations: 262; H-index: 10
- ? 10 years (2015-2025); Docs: 28; Journals: 13; Conferences: 14; Citations: 261; H-index: 10

Scopus Products

1.

- ? 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.

2.

- ? 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.

3.
? 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.

4.
? 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: Zaccone 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: Zaccone R.

5.

- ? 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.

6.

- ? 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.

7.

? 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.

8.

? Title: Performance Simulation of Marine Cycloidal Propellers: A Both Theoretical and Heuristic Approach
? Venue: Journal of Marine Science and Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.3390/jmse10040505
? Scopus ID: 2-s2.0-85128785565
? eISSN: 20771312
? Volume: 10
? Issue: 4
? Authors: Altosole Marco; Donnarumma Silvia; Spagnolo Valentina; Vignolo Stefano
? Keywords: cycloidal propellers | marine propulsion | simulation-based design

? 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: 13006187800;55350308600;57201675990;6602505719

? Authoraffiliationids: 128024277;60025153;60025153;60025153

? Corresponding: Altosole M.

9.

? 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.

10.

? 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.

11.

? 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.

12.

? 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.

13.

- ? Title: Hybrid Nonovershooting Set-Point Pressure Regulation for a Wet Clutch
- ? Venue: IEEE ASME Transactions on Mechatronics
- ? Year: 2020
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 7
- ? Doi: 10.1109/Tmech.2020.2973382
- ? Scopus ID: 2-s2.0-85086998104
- ? Issn: 10834435
- ? eISSN: 1941014X
- ? Volume: 25
- ? Issue: 3
- ? Pages: 1276-1287
- ? Authors: Cocetti Matteo; Donnarumma Silvia; De Pascali Luca; Ragni Matteo; Biral Francesco; Panizzolo Fabrizio; Rinaldi Pier Paolo; Sassaro Alex; Zaccarian Luca
- ? Keywords: Hybrid/reset control | linear matrix inequalities | overshoot | pressure control | switching control | wet-clutch
- ? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 40, percentile 96)
- ? Computer Science Applications (Q1, rank 50, percentile 94)
- ? Control and Systems Engineering (Q1, rank 20, percentile 94)

2020:

- ? Computer Science Applications (Q1, rank 36, percentile 94)
- ? Control and Systems Engineering (Q1, rank 16, percentile 94)
- ? Electrical and Electronic Engineering (Q1, rank 46, percentile 93)

? Source Id: 19113

? Author Ids: 56031272100;55350308600;57202575714;57201949396;56028693900;57188846580;57217279624;57217278645;56223118400

? Authoraffiliationids:

60015986;60025153;60015986;60015986;60015986;124655083;124655083;124655083;60015986

? Corresponding: Cocetti M.

14.

- ? Title: Stabilization of diffusive systems using backstepping and the circle criterion
- ? Venue: International Journal of Heat and Mass Transfer
- ? Year: 2020
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 2
- ? DOI: 10.1016/j.ijheatmasstransfer.2019.119132
- ? Scopus ID: 2-s2.0-85076184741
- ? Issn: 00179310
- ? Volume: 149
- ? Authors: Alessandri Angelo; Bagnerini Patrizia; Cianci Roberto; Donnarumma Silvia; Taddeo Alberto
- ? Keywords: Diffusive system | Pool boiling | Stabilization

? Quartile:

2025:

? Fluid Flow and Transfer Processes (Q1, rank 4, percentile 96)

? Condensed Matter Physics (Q1, rank 29, percentile 93)

? Mechanical Engineering (Q1, rank 49, percentile 93)

2020:

? Fluid Flow and Transfer Processes (Q1, rank 2, percentile 98)

? Mechanical Engineering (Q1, rank 27, percentile 95)

? Condensed Matter Physics (Q1, rank 25, percentile 94)

? Source Id: 20448

? Author Ids: 7005735677;11240414400;7005577641;55350308600;57193579521

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

? Corresponding: Alessandri A.

15.

? 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.

16.

? 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.

17.

- ? 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.

18.

- ? Title: Simulation techniques for design and control of a waste heat recovery system in marine natural gas propulsion applications
- ? Venue: Journal of Marine Science and Engineering
- ? Year: 2019
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 22
- ? DOI: 10.3390/jmse7110397
- ? Scopus ID: 2-s2.0-85075642574
- ? eISSN: 20771312
- ? Volume: 7
- ? Issue: 11
- ? Authors: Altosole Marco; Campora Ugo; Donnarumma Silvia; Zaccone Raphael
- ? Keywords: Control | Natural gas | Power grid dynamics | Ship energy efficiency | Steam turbine | Waste heat recovery
- ? 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;55350308600;56717793100
? Authoraffiliationids: 60017293;60025153;60025153;60025153
? Corresponding: Altosole M.

19.
? 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.

20.
? 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.

21.

? Title: Energy efficient propulsion system for dynamic positioning application: Design and assessment

? Venue: Proceedings of the International Ship Control Systems Symposium

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.24868/issn.2631-8741.2018.012

? Scopus ID: 2-s2.0-85110624560

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

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? Year: 2018

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? Authors: Altosole Marco; Donnarumma Silvia; Spagnolo Valentina; Vignolo Stefano
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? Authors: Taddeo Alberto; Alessandri Angelo; Bagnerini Patrizia; Donnarumma Silvia
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? Author Ids: 57193579521;7005735677;11240414400;55350308600
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? Title: Anti-windup synthesis of heading and speed regulators for ship control with
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? Author Ids: 55350308600;56223118400;7005735677;6602505719
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? Keywords: Dynamic positioning | Model-based design | Propulsion plant | Ship | Simulation
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