

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/V0pGW1lv>
? 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

? 05 years (2020-2025); Docs: 17; Journals: 10; Conferences: 6; Citations: 98; H-index: 6

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: 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.

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

? eISSN: 26318741

? Volume: 1

? Authors: Coraddu Dr Andrea; Donnarumma Silvia; Chu Mr Ken; Figari Massimo

? Keywords: Dynamic positioning | Failure analysis | Thrust allocation logic

? 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: 55193514900;55350308600;57226167612;6507282370

? Authoraffiliationids: 60024724;60025153;60024724;60025153

? Corresponding: Coraddu D.A.

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? Authoraffiliationids: 60025153;60025153-60005830-60102124;60025153;60025153

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? Authoraffiliationids: ;60025153
? Corresponding: Wang S.