

GAIOTTI MARCO

Overview

- ? Unit: NAV
- ? Role: Professore associato
- ? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 3
- ? SSD: IIND-01/B (Costruzioni e impianti navali)
- ? Scopus ID: 55200599100
- ? Unige Id: 701644
- ? Retrieved at: 2025-11-14T15:14:05.598773

Contact

- ? Email: marco.gaiotti@unige.it
- ? Page: <https://rubrica.unige.it/personale/UkNGXV5t>
- ? Locations: Villa Cambiaso - padiglioni (ED161450103), 1° piano, US161450103.I.020

Career

- ? Rd, 2012-12-31 ? 2018-12-30
- ? Pa, 2018-12-31 ? 2222-02-02

Responsibilities

- ? Title: Coordinatore di Corso di studio
- ? Unit: 40126 - Consiglio Del Corso Di Studio In Ingegneria Nautica E Yacht Design
- ? Period: 2024-11-01 ? 2027-10-31

Teaching

2025

- ? Costruzioni Navali C (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

2024

- ? Costruzioni Navali C (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

2023

- ? Costruzioni Navali C (Cdl) (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

2022

- ? Costruzioni Navali C (Cdl) (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

2021

- ? Costruzioni Navali C (Cdl) (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

2020

- ? Costruzioni Navali C (Cdl) (56984), L-9 - Ingegneria Nautica
- ? Yacht Construction Technologies (66388), Lm-34 - Yacht Design

Scopus Metrics

- ? absolute; Docs: 67; Journals: 34; Conferences: 29; Citations: 446; H-index: 12
- ? 15 years (2010-2025); Docs: 67; Journals: 34; Conferences: 29; Citations: 446; H-index: 12

? 10 years (2015-2025); Docs: 56; Journals: 30; Conferences: 24; Citations: 338; H-index: 10

? 05 years (2020-2025); Docs: 34; Journals: 20; Conferences: 12; Citations: 238; H-index: 8

Scopus Products

1.

? Title: Experimental and numerical assessment of ultimate strength of a transversally loaded thin-walled deck structure

? Venue: Marine Structures

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.marstruc.2025.103793

? Scopus ID: 2-s2.0-85218884211

? Issn: 09518339

? Volume: 103

? Authors: Barsotti Beatrice; Battini Carlo; Gaiotti Marco; Rizzo Cesare Mario; Vergassola Gianmarco

? Keywords: Buckling | Collapse | Large-scale test | Nonlinear analysis | Stiffened panel | Ultimate strength

? Quartile:

2025:

? Ocean Engineering (Q1, rank 7, percentile 94)

? Mechanical Engineering (Q1, rank 69, percentile 90)

? Mechanics of Materials (Q1, rank 47, percentile 88)

? Materials Science (all) (Q1, rank 80, percentile 82)

? Source Id: 21052

? Author Ids: 57219353053;56543518100;55200599100;15072981100;57191615489

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

? Corresponding: Barsotti B.

2.

? Title: An Overview of the Shipbuilding Labour Market: The LeaderSHIP EU Project

? Venue: Progress in Marine Science and Technology

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.3233/Pmst250079

? Scopus ID: 2-s2.0-105016215567

? Issn: 25430955

? eISSN: 25430963

? Volume: 10

? Pages: 655-662

? Authors: Pais T.; Vergassola G.; Gaiotti M.; Rizzo C. M.; Valtanen J.; Kivela S.;

Lenarduzzi W.; Hauninen M.; Laot A. H.; Gilles P. P.; El Faziki M.; Nechita M.; Popescu G.; Thormods`fter J.; Severeide K.; Mendibil A.; Miguelez F.; Campos J. A.; Sanchez-Beaskoetxea J.; Boullosa-Falces D.; Rossi A.

? Keywords: Shipbuilding Labour Market | Skills Gap Analysis | Technological Innovation

? 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: 55611778200;57191615489;55200599100;15072981100;60102554300;60102406600;59368573400;60102785200;60102708800;60102481300;60102481400;57204506264;57220533294;60102481500;60102628000;60102481600;60102863100;60102628100;56488011400;57195382082;60102554400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60098990;60098990;133181381;133181696;133181434;60084005;133181432;60008717;60008717;133181400;133181409;133181602;101929443;60006565;60027856;60027856;133181613
? Corresponding: Pais T.

3.

? Title: Study of the effects of underwater explosions on the bases of on-board equipment in naval units: Experimental validation of numerical models
? Venue: Rivista Italiana Della Saldatura
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-105015841810
? Issn: 00356794
? Issue: 2
? Pages: 167-185
? Authors: Mannacio Francesco; Barbato Alfonso; Di Marzo Fabrizio; Gaiotti Marco; Rizzo Cesare Mario; Venturini Marco
? Keywords: computation | Finite element analysis | mathematical models | underwater environment

? Quartile:

2025:

? Mechanical Engineering (Q4, rank 721, percentile 2)
? Mechanics of Materials (Q4, rank 412, percentile 0)

? Source Id: 29510

? Author Ids: 57670726600;13005232300;57671630400;55200599100;15072981100;57671630500

? Authoraffiliationids: 60025153;60083109;127259049;60025153;60025153;127259049

? Corresponding: Mannacio F.

4.

? Title: A rational approach for the scantling design of GRP pleasure crafts

? Venue: Ocean Engineering

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.1016/j.oceaneng.2024.117866

? Scopus ID: 2-s2.0-85190502162

? Issn: 00298018

? Volume: 304

? Authors: Gaiotti M.; Aguiari M.; Vergassola G.; Rizzo C. M.

? Keywords: GRP vessels | Scantling design | Weight reduction

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2024:
? Ocean Engineering (Q1, rank 12, percentile 89)
? Environmental Engineering (Q1, rank 45, percentile 79)

? Source Id: 28339
? Author Ids: 55200599100;57212109023;57191615489;15072981100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gaiotti M.

- 5.
- ? Title: A Design Approach to Assess Effects of Non-Contact Underwater Explosions on Naval Composite Vessels
 - ? Venue: Journal of Marine Science and Application
 - ? Year: 2024
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 2
 - ? DOI: 10.1007/s11804-024-00421-6
 - ? Scopus ID: 2-s2.0-85194164622
 - ? Issn: 16719433
 - ? eISSN: 19935048
 - ? Volume: 23
 - ? Issue: 2
 - ? Pages: 316-326
 - ? Authors: Mannacio F.; Di Marzo F.; Gaiotti M.; Rizzo C. M.; Venturini M.
 - ? Keywords: Composites | Experimental analysis | Fluid-structure interaction | Numerical simulation | Preliminary design | Shock resistance | Underwater explosions | Vulnerability
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q2, rank 39, percentile 66)
 - ? Mechanical Engineering (Q2, rank 253, percentile 65)
 - 2024:
 - ? Ocean Engineering (Q2, rank 44, percentile 61)
 - ? Mechanical Engineering (Q2, rank 296, percentile 58)

? Source Id: 5400152711
? Author Ids: 57670726600;57671630400;55200599100;15072981100;57671630500
? Authoraffiliationids: 131297705;131297705;60025153;60025153;131297705
? Corresponding: Mannacio F.

- 6.
- ? Title: Cumulative buckling deformation of stiffened panel under cyclic loading
 - ? 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: 10.1177/14750902231198902
 - ? Scopus ID: 2-s2.0-85173522453
 - ? Issn: 14750902
 - ? eISSN: 20413084
 - ? Volume: 238
 - ? Issue: 2
 - ? Pages: 375-384
 - ? Authors: Barsotti Beatrice; Gaiotti Marco
 - ? Keywords: collapse analysis | Cyclic loads | finite element analysis | non-linearity | residual plastic strain | structural response | ultimate load
 - ? 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: 57219353053;55200599100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Barsotti B.

7.
? Title: Issc 2025 Committee Iii.1 - Compressive Test Of A Transversely Stiffened Thin-Plated Structure With Expected Early Nonlinear Response Prior To The Ultimate Capacity. Preliminary Comparison Of The Numerical Results

? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1115/Omae2024-126382

? Scopus ID: 2-s2.0-85209919571

? Volume: 2

? Authors: Gaiotti Marco; Barsotti Beatrice; Brubak Lars; Chen Bai Qiao; Darie Ionel; Georgiadis Dimitris; Ishibashi Kinya; Korgesaar Mihkel; Lv Yining; Nahshon Ken; Paredes Marcelo; Ringsberg Jonas; Schipperen Ingrid; Tatsumi Akira; Vaz Murilo; Wang Yikun; Zamarin Albert; Zhan Zhihu

? Keywords: buckling | FEA | post-buckling response | post-ultimate response | ultimate strength capacity

? Source Id: 91440

? Author Ids: 55200599100;57219353053;18036851400;58042067200;57191851147;57205718643;23027352200;55756277400;59420313200;23470080300;54893597000;6602749403;35085515200;56734289400;7101868532;56163204400;24559729900;57887080600

? Authoraffiliationids: 60025153;60025153;60072185;60004956;60072185;60019722;60015231;60068861;101832539;60022562;60020547;60000990;60019984;60024322;60000036;60113549;60029546;127631540

? Corresponding: Gaiotti M.

8.
? Title: Residual Plastic Strain Effects On The Ultimate Capacity For A Hsia Stiffened Panel Subjected To Two Different Cyclic Load Conditions

? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1115/Omae2024-126720

? Scopus ID: 2-s2.0-85209877783

? Volume: 2

? Authors: Barsotti Beatrice; Gaiotti Marco

? Keywords: buckling | Cyclic load | FEM | hardening law | plastic strain | ultimate capacity

? Source Id: 91440

? Author Ids: 57219353053;55200599100

? Authoraffiliationids: 130704641;130704641

? Corresponding: Barsotti B.

- 9.
- ? Title: An open benchmark to assess the effects of underwater explosions on steel panels using the volume of fluid approach
 - ? Venue: Ocean Engineering
 - ? Year: 2023
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 3
 - ? DOI: 10.1016/j.oceaneng.2023.116093
 - ? Scopus ID: 2-s2.0-85174731719
 - ? Issn: 00298018
 - ? Volume: 288
 - ? Authors: Mannacio F.; Di Marzo F.; Gaiotti M.; Rizzo C. M.; Venturini M.
 - ? Keywords: Benchmark | Experimental analysis | Fluid-structure interaction | Numerical simulation | Shock | Underwater explosions
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 6, percentile 95)
 - ? Environmental Engineering (Q1, rank 38, percentile 83)
 - 2023:
 - ? Ocean Engineering (Q1, rank 14, percentile 87)
 - ? Environmental Engineering (Q1, rank 48, percentile 75) - ? Source Id: 28339
 - ? Author Ids: 57670726600;57671630400;55200599100;15072981100;57671630500
 - ? Authoraffiliationids: 128084535;128084535;60025153;60025153;128084535
 - ? Corresponding: Mannacio F.
- 10.
- ? Title: Evaluation of residual plastic strain on a stiffened panel subjected to compression and tension-compression cyclic load
 - ? Venue: Advances in the Analysis and Design of Marine Structures Proceedings of the 9th International Conference on Marine Structures Marstruct 2023
 - ? Year: 2023
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1201/9781003399759-44
 - ? Scopus ID: 2-s2.0-85185845946
 - ? Pages: 403-409
 - ? Authors: Barsotti B.; Gaiotti M.
 - ? Source Id: 21101202189
 - ? Author Ids: 57219353053;55200599100
 - ? Authoraffiliationids: 60025153;60025153
 - ? Corresponding: Barsotti B.
- 11.
- ? Title: FEM numerical strategies for the evaluation of the accumulated plastic strain due to a cyclic load condition
 - ? Venue: Advances in the Analysis and Design of Marine Structures Proceedings of the 9th International Conference on Marine Structures Marstruct 2023
 - ? Year: 2023
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 1
 - ? Doi: 10.1201/9781003399759-45

? Scopus ID: 2-s2.0-85185832744
? Pages: 411-417
? Authors: Barsotti B.; Gaiotti M.
? Source Id: 21101202189
? Author Ids: 57219353053;55200599100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Barsotti B.

12.

? Title: Cumulative buckling deformation of stiffened panel under cyclic loading
? 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: 0
? Doi: 10.1201/9781003358961-15
? Scopus ID: 2-s2.0-85145590797
? Pages: 109-113
? Authors: Barsotti B.; Gaiotti M.
? Source Id: 21101130449
? Author Ids: 57219353053;55200599100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Barsotti B.

13.

? Title: Characterization of underwater shock transient effects on naval E-glass biaxial fiberglass laminates: An experimental and numerical method
? Venue: Applied Ocean Research
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 6
? DOI: 10.1016/j.apor.2022.103356
? Scopus ID: 2-s2.0-85138021167
? Issn: 01411187
? Volume: 128
? Authors: Mannacio F.; Di Marzo F.; Gaiotti M.; Guzzo M.; Rizzo C. M.; Venturini M.
? Keywords: Composites | Experimental analysis | Fiberglass | Numerical simulation | Shock | Underwater explosions
? Quartile:
2025:
? Ocean Engineering (Q1, rank 15, percentile 87)
2022:
? Ocean Engineering (Q1, rank 13, percentile 87)
? Source Id: 26776
? Author Ids: 57670726600;57671630400;55200599100;57890839800;15072981100;57671630500
? Authoraffiliationids: 128084535-60025153;128084535;60025153;60211436;60025153;128084535
? Corresponding: Mannacio F.

14.

? Title: Ship weight reduction by parametric design of hull scantling
? Venue: Ocean Engineering
? Year: 2022
? Type: Journal

? Subtype: Article
? Citations: 11
? DOI: 10.1016/j.oceaneng.2022.112370
? Scopus ID: 2-s2.0-85137095436
? Issn: 00298018
? Volume: 263
? Authors: Aguiari M.; Gaiotti M.; Rizzo C. M.
? Keywords: Design process | Parametric design | Rule requirements | Scantling | Ship structures
? 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: 57212109023;55200599100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Aguiari M.

15.
? Title: A Quick and Practical Approach for Concept-design of Submerged Thin-walled Stiffened Cylinders
? Venue: Journal of Marine Science and Application
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1007/s11804-022-00280-z
? Scopus ID: 2-s2.0-85139423839
? Issn: 16719433
? eISSN: 19935048
? Volume: 21
? Issue: 3
? Pages: 138-154
? Authors: Pais Tatiana; Gaiotti Marco; Rizzo Cesare Mario
? Keywords: Buckling | Concept/preliminary design | Hull scantling | Limit state design | Optimization | Submarines | Thin-walled cylinders
? Quartile:
2025:
? Ocean Engineering (Q2, rank 39, percentile 66)
? Mechanical Engineering (Q2, rank 253, percentile 65)
2022:
? Ocean Engineering (Q2, rank 47, percentile 53)
? Mechanical Engineering (Q2, rank 300, percentile 52)
? Source Id: 5400152711
? Author Ids: 55611778200;55200599100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Pais T.

16.
? Title: Shock Characterization of Fiberglass Composite Laminates: Numerical and Experimental Comparison
? Venue: Progress in Marine Science and Technology
? Year: 2022

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.3233/Pmst220048
? Scopus ID: 2-s2.0-85138178431
? Issn: 25430955
? eISSN: 25430963
? Volume: 6
? Pages: 408-415
? Authors: Mannacio Francesco; Di Marzo Fabrizio; Gaiotti Marco; Guzzo Massimo; Rizzo Cesare Mario; Venturini Marco
? Keywords: composites | design | experimental | numerical | shock
? 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: 57670726600;57671630400;55200599100;57890839800;15072981100;57671630500
? Authoraffiliationids:
128084535-60025153;128084535;60025153;60211436;60025153;128084535
? Corresponding: Mannacio F.

17.

? Title: Evaluation of the Residual Capacity of a Submarine for Different Limit States with Various Initial Imperfection Models
? Venue: Journal of Marine Science and Application
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1007/s11804-022-00271-0
? Scopus ID: 2-s2.0-85135192777
? Issn: 16719433
? eISSN: 19935048
? Volume: 21
? Issue: 2
? Pages: 59-68
? Authors: Pais Tatiana; Gaiotti Marco; Barsotti Beatrice
? Keywords: Buckling | Imperfection model | Limit state design | Residual capacity | Structural response | Submarine hull | Ultimate strength
? Quartile:
2025:
? Ocean Engineering (Q2, rank 39, percentile 66)
? Mechanical Engineering (Q2, rank 253, percentile 65)
2022:
? Ocean Engineering (Q2, rank 47, percentile 53)
? Mechanical Engineering (Q2, rank 300, percentile 52)
? Source Id: 5400152711
? Author Ids: 55611778200;55200599100;57219353053
? Authoraffiliationids: 60025153;60025153;60025153

- ? Corresponding: Pais T.
18.
? Title: Shock effects of underwater explosion on naval ship foundations: Validation of numerical models by dedicated tests
? Venue: Ocean Engineering
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 25
? DOI: 10.1016/j.oceaneng.2022.111290
? Scopus ID: 2-s2.0-85129684332
? Issn: 00298018
? Volume: 253
? Authors: Mannacio F.; Barbato A.; Di Marzo F.; Gaiotti M.; Rizzo C. M.; Venturini M.
? Keywords: Experimental | Foundation | Numerical | Shock | Underwater explosion
? 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: 57670726600;13005232300;57671630400;55200599100;15072981100;57671630500
? Authoraffiliationids:
128084535-60025153;60083109;128084535;60025153;60025153;128084535
? Corresponding: Mannacio F.
19.
? Title: Analysis of the underwater explosion shock effects on a typical naval ship foundation structure: Experimental and numerical investigation
? Venue: Proceedings in Marine Technology and Ocean Engineering
? Year: 2022
? Type: Book Series
? Subtype: Book Chapter
? Citations: 1
? Doi: 10.1201/9781003230373-8
? Scopus ID: 2-s2.0-85216609274
? Issn: 2638647x
? eISSN: 26386461
? Volume: 7
? Pages: 65-73
? Authors: Mannacio F.; Barbato A.; Rizzo C. M.; Gaiotti M.; Venturini M.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 73, percentile 37)
? Source Id: 21101270843
? Author Ids: 57670726600;13005232300;15072981100;55200599100;57671630500
? Authoraffiliationids: 60025153-131297705;60083109;60025153;60025153;131297705
? Corresponding: Mannacio F.
20.
? Title: Ultimate Strength
? Venue: Proceedings of the 21st International Ship and Offshore Structures Congress
Issc 2022
? Year: 2022

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.5957/Issc-2022-Committee-iii-1
? Scopus ID: 2-s2.0-85158885068
? Volume: 1
? Pages: 395-500
? Authors: Hess Paul E.; An Chen; Brubak Lars; Chen Xiao; Chiu Jinn Tong; Czujko Jurek; Darie Ionel; Feng Guoqing; Gaiotti Marco; Jang Beom Seon; Kefal Adnan; Makmun Sukron; Ringsberg Jonas; Romanoff Jani; Saad-Eldeen Saad; Schipperen Ingrid; Tabri Kristjan; Wang Yikun; Yanagihara Daisuke
? Keywords: Buckling | collapse | degradation | Fabrication-Induced Initial Imperfections | In-service damage | Load-carrying capacity | Offshore | Ship Structures | Ships | Ultimate limit states | Ultimate strength | Uncertainty
? Source Id: 21101150729
? Author Ids: 57190439310;58243164500;18036851400;59782611400;58241592000;58242880000;57191851147;55454508100;55200599100;15925365200;56866304900;57781296600;6602749403;12763227900;35085227500;35085515200;24484111400;56163204400;7004720381
? Corresponding: Hess P.E.

21.

? Title: A Strategy For The Reduction Of Structural Weight Of Composite Vessels
? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1115/Omae2022-80387
? Scopus ID: 2-s2.0-85140717918
? Volume: 2
? Authors: Gaiotti Marco; Vergassola Gianmarco; Pais Tatiana
? Keywords: GRP vessels | structural scantling | weight reduction of ships
? Source Id: 91440
? Author Ids: 55200599100;57191615489;55611778200
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaiotti M.

22.

? Title: A design approach to reduce hull weight of naval ships
? Venue: Ship Technology Research
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1080/09377255.2021.1947666
? Scopus ID: 2-s2.0-85109904613
? Issn: 09377255
? eISSN: 20567111
? Volume: 69
? Issue: 2
? Pages: 89-104
? Authors: Aguiari M.; Gaiotti M.; Rizzo C. M.
? Keywords: design process | limit state | parametric design | rule requirements | scantling | Ship structures | structural assessment | weight reduction
? Quartile:

2025:

? Ocean Engineering (Q2, rank 55, percentile 53)

2022:

? Ocean Engineering (Q2, rank 34, percentile 66)

? Source Id: 27317

? Author Ids: 57212109023;55200599100;15072981100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Aguiari M.

23.

? Title: Robotic inspection of ships: inherent challenges and assessment of their effectiveness

? Venue: Ships and Offshore Structures

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 16

? Doi: 10.1080/17445302.2020.1866378

? Scopus ID: 2-s2.0-85098516150

? Issn: 17445302

? Volume: 17

? Issue: 4

? Pages: 742-756

? Authors: Poggi Laura; Gaggero Tomaso; Gaiotti Marco; Ravina Enrico; Rizzo Cesare Mario

? Keywords: assessment | remote inspections | robotic technologies | Ship maintenance | surveys | testing facility

? Quartile:

2025:

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

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

2022:

? Mechanical Engineering (Q2, rank 226, percentile 64)

? Ocean Engineering (Q2, rank 37, percentile 63)

? Source Id: 19700186818

? Author Ids: 57215527236;55212255700;55200599100;55621181100;15072981100

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

? Corresponding: Poggi L.

24.

? Title: The ISSC 2022 committee III.1-Ultimate strength benchmark study on the ultimate limit state analysis of a stiffened plate structure subjected to uniaxial compressive loads

? Venue: Marine Structures

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 43

? DOI: 10.1016/j.marstruc.2021.103026

? Scopus ID: 2-s2.0-85107680091

? Issn: 09518339

? Volume: 79

? Authors: Ringsberg Jonas W.; Darie Ionel; Nahshon Ken; Shilling Gillian; Vaz Murilo Augusto; Benson Simon; Brubak Lars; Feng Guoqing; Fujikubo Masahiko; Gaiotti Marco; Hu Zhiqiang; Jang Beom Seon; Paik Jeom Kee; Slagstad Martin; Tabri Kristjan; Wang Yikun; Wiegard Bjarne; Yanagihara Daisuke

? Keywords: Benchmark study | Buckling | Experiment | Failure modes | Finite element analysis | Ultimate limit state

? Quartile:

2025:

? Ocean Engineering (Q1, rank 7, percentile 94)

? Mechanical Engineering (Q1, rank 69, percentile 90)

? Mechanics of Materials (Q1, rank 47, percentile 88)

? Materials Science (all) (Q1, rank 80, percentile 82)

2021:

? Ocean Engineering (Q1, rank 8, percentile 92)

? Mechanical Engineering (Q1, rank 86, percentile 85)

? Mechanics of Materials (Q1, rank 58, percentile 85)

? Materials Science (all) (Q1, rank 103, percentile 77)

? Source Id: 21052

? Author Ids: 6602749403;57191851147;23470080300;57224465702;7101868532;35084903200;18036851400;55454508100;7003568966;55200599100;56386420300;15925365200;35821146600;57204423662;24484111400;56163204400;57201721214;7004720381

? Authoraffiliationids: 60000990;60072185;60022562;60022562;60000036;60006222;60072185;60003353;60024322;60025153;60006222;60120086;60008783-

60022148;60013141;60068861;60025225;60010338;60011047

? Corresponding: Ringsberg J.W.

25.

? Title: Robotic inspection of ships: inherent challenges and assessment of their effectiveness

? Venue: Rivista Italiana Della Saldatura

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 0

? Scopus ID: 2-s2.0-85128908896

? Issn: 00356794

? Volume: 73

? Issue: 3

? Pages: 369-392

? Authors: Poggi Laura; Gaggero Tomaso; Gaiotti Marco; Ravina Enrico; Rizzo Cesare Mario

? Keywords: in service operations | Nondestructive testing | real time operations | shipbuilding | ships | standards

? Quartile:

2025:

? Mechanical Engineering (Q4, rank 721, percentile 2)

? Mechanics of Materials (Q4, rank 412, percentile 0)

2021:

? Mechanical Engineering (Q4, rank 597, percentile 0)

? Mechanics of Materials (Q4, rank 384, percentile 0)

? Source Id: 29510

? Author Ids: 57215527236;55212255700;55200599100;55621181100;15072981100

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

? Corresponding: Poggi L.

26.

? Title: Structural surface assessment of ship structures intended for robotic inspection applications

? Venue: Proceedings in Marine Technology and Ocean Engineering

? Year: 2021

? Type: Book Series
? Subtype: Book Chapter
? Citations: 1
? Doi: 10.1201/9781003230373-64
? Scopus ID: 2-s2.0-85185318302
? Issn: 2638647x
? eISSN: 26386461
? Volume: 2021
? Pages: 563-572
? Authors: Shah F. M.; Gaggero T.; Gaiotti M.; Ivaldi L.; Rizzo C. M.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 73, percentile 37)
? Source Id: 21101270843
? Author Ids: 57202602309;55212255700;55200599100;57863161300;15072981100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Shah F.M.

27.
? Title: Condition assessment of ship structure using robot assisted 3D-reconstruction
? Venue: Ship Technology Research
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1080/09377255.2021.1872219
? Scopus ID: 2-s2.0-85099578385
? Issn: 09377255
? eISSN: 20567111
? Volume: 68
? Issue: 3
? Pages: 129-146
? Authors: Shah Faisal Mehmood; Gaggero Tomaso; Gaiotti Marco; Rizzo Cesare Mario
? Keywords: 3D-reconstruction | ship inspection applications | structural condition assessment | structure from motion
? Quartile:
2025:
? Ocean Engineering (Q2, rank 55, percentile 53)
2021:
? Ocean Engineering (Q2, rank 37, percentile 62)
? Source Id: 27317
? Author Ids: 57202602309;55212255700;55200599100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Shah F.M.

28.
? Title: Recent Industrial Developments of Marine Composites Limit States and Design Approaches on Strength
? Venue: Journal of Marine Science and Application
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 34
? DOI: 10.1007/s11804-020-00171-1
? Scopus ID: 2-s2.0-85092354518
? Issn: 16719433

- ? eISSN: 19935048
 - ? Volume: 19
 - ? Issue: 4
 - ? Pages: 553-566
 - ? Authors: Barsotti Beatrice; Gaiotti Marco; Rizzo Cesare Mario
 - ? Keywords: FEM | Limit state design | Marine composites | Material characterization | Navy ships | Pleasure crafts | Ultimate strength | Yachts
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q2, rank 39, percentile 66)
 - ? Mechanical Engineering (Q2, rank 253, percentile 65)
 - 2020:
 - ? Ocean Engineering (Q2, rank 44, percentile 54)
 - ? Mechanical Engineering (Q3, rank 325, percentile 45) - ? Source Id: 5400152711
 - ? Author Ids: 57219353053;55200599100;15072981100
 - ? Authoraffiliationids: 60025153;60025153;60025153
 - ? Corresponding: Barsotti B.
- 29.
- ? Title: Assessment of ship robotic inspections
 - ? Venue: IEEE International Conference on Emerging Technologies and Factory Automation ETFA
 - ? Year: 2020
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 3
 - ? Doi: 10.1109/Etfa46521.2020.9211949
 - ? Scopus ID: 2-s2.0-85093359103
 - ? Issn: 19460740
 - ? eISSN: 19460759
 - ? Volume: 2020-September
 - ? Pages: 1495-1502
 - ? Authors: Poggi Laura; Rizzo Cesare Mario; Gaggero Tomaso; Gaiotti Marco; Ravina Enrico
 - ? Keywords: assessment | inspection | robotic technologies | ship | testing facility
 - ? Quartile:
 - 2025:
 - ? Industrial and Manufacturing Engineering (Q2, rank 197, percentile 51)
 - ? Electrical and Electronic Engineering (Q3, rank 510, percentile 48)
 - ? Control and Systems Engineering (Q3, rank 199, percentile 47)
 - ? Computer Science Applications (Q3, rank 566, percentile 42) - ? Source Id: 21100275520
 - ? Author Ids: 57215527236;15072981100;55212255700;55200599100;55621181100
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Poggi L.
- 30.
- ? Title: Uncertainties estimates of hull girder still water loads of bulk and dry cargo ships through Monte Carlo simulations
 - ? Venue: Marine Structures
 - ? Year: 2020
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 8
 - ? DOI: 10.1016/j.marstruc.2019.102688

? Scopus ID: 2-s2.0-85074454172

? Issn: 09518339

? Volume: 70

? Authors: Gaggero Tomaso; Gaiotti Marco; Rizzo Cesare Mario

? Keywords: Hull girder strength | Loading conditions | Monte Carlo simulations | Still water loads | Uncertainties

? Quartile:

2025:

? Ocean Engineering (Q1, rank 7, percentile 94)

? Mechanical Engineering (Q1, rank 69, percentile 90)

? Mechanics of Materials (Q1, rank 47, percentile 88)

? Materials Science (all) (Q1, rank 80, percentile 82)

2020:

? Ocean Engineering (Q1, rank 7, percentile 93)

? Mechanical Engineering (Q1, rank 86, percentile 85)

? Mechanics of Materials (Q1, rank 60, percentile 84)

? Materials Science (all) (Q1, rank 96, percentile 79)

? Source Id: 21052

? Author Ids: 55212255700;55200599100;15072981100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Gaggero T.

31.

? Title: A numerical sensitivity analysis on the cohesive parameters of a carbon-steel single lap joint

? Venue: Ocean Engineering

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.1016/j.oceaneng.2019.04.091

? Scopus ID: 2-s2.0-85078107396

? Issn: 00298018

? Volume: 198

? Authors: Gaiotti Marco; Zamarin Albert; Josefson B. Lennart; Matulja Tin

? Keywords: ADINA | Cohesive model | De-bonding | LS-DYNA | Non-linear FEA | Single lap joint

? Quartile:

2025:

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

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

2020:

? Ocean Engineering (Q1, rank 9, percentile 91)

? Environmental Engineering (Q1, rank 29, percentile 80)

? Source Id: 28339

? Author Ids: 55200599100;24559729900;7003464720;35113762100

? Authoraffiliationids: 60025153;60271622;60000990;60271622

? Corresponding: Gaiotti M.

32.

? Title: Committee V.3: Materials and Fabrication Technology

? Venue: Progress in Marine Science and Technology

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.3233/Pmst200012
? Scopus ID: 2-s2.0-85137766723
? Issn: 25430955
? eISSN: 25430963
? Volume: 4
? Pages: 199-214
? Authors: Josefson Lennart; Van Duin Stephen; De Carvalho Pinheiro Bianca; Yang Nana; Yu Luo; Zamarin Albert; Remes Heikki; Roland Frank; Gaiotti Marco; Osawa Naoki; Horn Agnes Marie; Kim Myung Hyun; Mishra Brajendra
? 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: 7003464720;35321662700;57559042300;35085624500;57887078400;24559729900;16403170800;7003459462;55200599100;55906611200;9244865900;57217062440;55433568000
? Corresponding: Josefson L.

33.

? Title: Recent developments in remote inspections of ship structures
? Venue: International Journal of Naval Architecture and Ocean Engineering
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 28
? DOI: 10.1016/j.ijnaoe.2020.09.001
? Scopus ID: 2-s2.0-85095915080
? Issn: 20926782
? eISSN: 20926790
? Volume: 12
? Pages: 881-891
? Authors: Poggi Laura; Gaggero Tomaso; Gaiotti Marco; Ravina Enrico; Rizzo Cesare Mario
? Keywords: Robotics and autonomous systems | Ship surveys | Test protocols | Testing facility
? Quartile:

2025:

? Ocean Engineering (Q1, rank 19, percentile 84)
? Control and Systems Engineering (Q1, rank 80, percentile 79)

2020:

? Ocean Engineering (Q1, rank 14, percentile 85)
? Control and Systems Engineering (Q2, rank 74, percentile 71)

? Source Id: 21100197706
? Author Ids: 57215527236;55212255700;55200599100;55621181100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Poggi L.

34.

? Title: Robotic inspection of ship structures: How to fill the gap between available technologies and current survey practices?
? Venue: 2019 Imeko Tc19 International Workshop on Metrology for the Sea Learning to Measure Sea Health Parameters Metrosea 2019
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 3
? Scopus ID: 2-s2.0-85081061921
? Pages: 227-232
? Authors: Poggi Laura; Gaggero Tomaso; Gaiotti Marco; Ravina Enrico; Rizzo Cesare Mario
? Source Id: 21100987472
? Author Ids: 57215527236;55212255700;55200599100;55621181100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Poggi L.

35.

? Title: Scantling assessment of large yacht rigs using carbon-fiber and aluminum masts
? Venue: Ocean Engineering
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1016/j.oceaneng.2019.106480
? Scopus ID: 2-s2.0-85072723036
? Issn: 00298018
? Volume: 190
? Authors: Ghelardi Stefano; Conti Claudia; Gaiotti Marco; Rizzo Cesare Mario; Paci Matteo
? Keywords: Aluminium alloy | Composites | Mast | Rigging | Sail system | Structural lightning
? 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: 56030081700;57211124822;55200599100;15072981100;35085260400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;107898285
? Corresponding: Ghelardi S.

36.

? Title: Dynamic buckling of composite mast panels of sail ships
? Venue: Trends in the Analysis and Design of Marine Structures Proceedings of the 7th International Conference on Marine Structures Marstruct 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1201/9780429298875-46
? Scopus ID: 2-s2.0-85068510400
? Pages: 391-399
? Authors: Gaiotti M.; Ghelardi S.; Rizzo C. M.
? Source Id: 21100915388
? Author Ids: 55200599100;56030081700;15072981100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaiotti M.

37.

? Title: Testing and simulation of a bolted and bonded joint between steel deck and composite side shell plating of a naval vessel

? Venue: Engineering Structures
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 18
? DOI: 10.1016/j.engstruct.2018.06.008
? Scopus ID: 2-s2.0-85048422857
? Issn: 01410296
? eISSN: 18737323
? Volume: 172
? Pages: 228-238
? Authors: Gaiotti Marco; Ravina Enrico; Rizzo Cesare M.; Ungaro Andrea
? Keywords: Bolted joint | Bonded joint | Finite element analysis | Large scale testing | Scantling design | Ship structure
? Quartile:
2025:
? Civil and Structural Engineering (Q1, rank 25, percentile 94)
2018:
? Civil and Structural Engineering (Q1, rank 36, percentile 88)
? Source Id: 15652
? Author Ids: 55200599100;55621181100;15072981100;6602358649
? Authoraffiliationids: 60025153;60025153;60025153;60122238
? Corresponding: Gaiotti M.

38.
? Title: Development and validation of a numerical model for the simulation of high-velocity impacts on advanced composite armor systems
? Venue: Nonlinear Dynamics
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 18
? DOI: 10.1007/s11071-017-3981-4
? Scopus ID: 2-s2.0-85037327316
? Issn: 0924090x
? eISSN: 1573269X
? Volume: 91
? Issue: 3
? Pages: 1791-1816
? Authors: Sabadin Giovanni; Gaiotti Marco; Rizzo Cesare M.; Bassano Alessio
? Keywords: Armor system | Ballistic tests | Composite | High-velocity impact | Multilayer | Numerical simulation
? Quartile:
2025:
? Applied Mathematics (Q1, rank 22, percentile 96)
? Ocean Engineering (Q1, rank 8, percentile 93)
? Aerospace Engineering (Q1, rank 14, percentile 91)
? Mechanical Engineering (Q1, rank 74, percentile 90)
? Control and Systems Engineering (Q1, rank 43, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 113, percentile 88)
2018:
? Ocean Engineering (Q1, rank 1, percentile 99)
? Applied Mathematics (Q1, rank 13, percentile 97)
? Aerospace Engineering (Q1, rank 4, percentile 97)
? Mechanical Engineering (Q1, rank 28, percentile 95)

- ? Control and Systems Engineering (Q1, rank 21, percentile 91)
 - ? Electrical and Electronic Engineering (Q1, rank 60, percentile 91)
 - ? Source Id: 21576
 - ? Author Ids: 57190866719;55200599100;15072981100;26021711300
 - ? Authoraffiliationids: 60025153;60025153;60025153;60024961
 - ? Corresponding: Sabadin G.
- 39.
- ? Title: Buckling Of Stiffened Panels: An Improved Linearized Approach Compared To Nonlinear Collapse Analysis
 - ? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
 - ? Year: 2018
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1115/Omae2018-78399
 - ? Scopus ID: 2-s2.0-85134054938
 - ? Volume: 3
 - ? Authors: Gaiotti Marco; Rizzo Cesare Mario; Ferrari Nicole; Montella Adriano
 - ? Source Id: 91440
 - ? Author Ids: 55200599100;15072981100;57798389400;57798618300
 - ? Authoraffiliationids: 60025153;60025153;60083109;60083109
 - ? Corresponding: Gaiotti M.
- 40.
- ? Title: COMMITTEE V.3 Materials and fabrication technology
 - ? Venue: Progress in Marine Science and Technology
 - ? Year: 2018
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 2
 - ? Doi: 10.3233/978-1-61499-864-8-143
 - ? Scopus ID: 2-s2.0-85067256444
 - ? Issn: 25430955
 - ? eISSN: 25430963
 - ? Volume: 2
 - ? Pages: 143-191
 - ? Authors: Josefson Lennart; van Duin Stephen; de Carvalho Pinheiro Bianca; Yang Nana; Yu Luo; Zamarin Albert; Remes Heikki; Roland Frank; Gaiotti Marco; Osawa Naoki; Horn Agnes Marie; Kim Myung Hyun; Mishra Brajendra
 - ? Keywords: Adhesive | Approval | Arctic | Composites | Distortions | Fatigue | High frequency mechanical impact (HFMI) | Lightweight | Qualification | Residual stress | Steels | Welding
 - ? 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: 7003464720;35321662700;57559042300;35085624500;57887078400;24559729900;16403170800;7003459462;55200599100;55906611200;9244865900;57217062440;55433568000
 - ? Corresponding: Josefson L.
- 41.
- ? Title: Sensitivity analysis of impact loads by CFD solvers for structural FEM computation on ship structures

? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-85053478087
? Issn: 10986189
? eISSN: 15551792
? Volume: 2018-June
? Pages: 521-526
? Authors: Gaggero Stefano; Gaggero Tomaso; Gaiotti Marco; Ghelardi Stefano; Vernengo Giuliano; Villa Diego
? Keywords: Finite Element Method (FEM) | Slamming | Smoothed Particle Hydrodynamics (SPH) | Unsteady Reynolds Averaged Navier Stokes Equations (URANSE)
? Quartile:
2025:
? Energy Engineering and Power Technology (Q4, rank 273, percentile 16)
? Ocean Engineering (Q4, rank 101, percentile 13)
? Mechanical Engineering (Q4, rank 650, percentile 11)
2018:
? Ocean Engineering (Q3, rank 64, percentile 31)
? Energy Engineering and Power Technology (Q3, rank 146, percentile 28)
? Mechanical Engineering (Q4, rank 442, percentile 24)
? Source Id: 77392
? Author Ids: 6503976905;55212255700;55200599100;56030081700;37662376400;56250522200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Gaggero S.

42.

? Title: Effects of uncertainties in loading conditions of bulk carriers on hull girder still water loads
? Venue: Marine Structures
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.1016/j.marstruc.2017.06.001
? Scopus ID: 2-s2.0-85030458085
? Issn: 09518339
? Volume: 55
? Pages: 214-242
? Authors: Gaggero Tomaso; Gaiotti Marco; Rizzo Cesare Mario
? Keywords: Bulk carrier | Hull girder | Loading conditions | Still water loads | Uncertainties
? Quartile:
2025:
? Ocean Engineering (Q1, rank 7, percentile 94)
? Mechanical Engineering (Q1, rank 69, percentile 90)
? Mechanics of Materials (Q1, rank 47, percentile 88)
? Materials Science (all) (Q1, rank 80, percentile 82)
2017:
? Ocean Engineering (Q1, rank 7, percentile 93)
? Mechanical Engineering (Q1, rank 86, percentile 85)
? Mechanics of Materials (Q1, rank 61, percentile 82)
? Materials Science (all) (Q1, rank 98, percentile 78)

? Source Id: 21052
? Author Ids: 55212255700;55200599100;15072981100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gaggero T.

43.

? Title: Large-scale testing and structural verification of an adhesive bonded and bolted hull superstructure joint
? Venue: Rivista Italiana Della Saldatura
? Year: 2017
? Type: Journal
? Subtype: Review
? Citations: 0
? Scopus ID: 2-s2.0-85051401374
? Issn: 00356794
? Volume: 69
? Issue: 3
? Pages: 359-369
? Authors: Gaiotti Marco; Ravina Enrico; Rizzo Cesare M.; Ungaro Andrea
? Keywords: Composite materials | Fatigue cracks | Fatigue loading | Fibre reinforced composites, polymer matrix composites | Finite element analysis | Ship | Shipbuilding
? Quartile:
2025:
? Mechanical Engineering (Q4, rank 721, percentile 2)
? Mechanics of Materials (Q4, rank 412, percentile 0)
2017:
? Mechanical Engineering (Q4, rank 543, percentile 5)
? Mechanics of Materials (Q4, rank 340, percentile 3)
? Source Id: 29510
? Author Ids: 55200599100;55621181100;15072981100;6602358649
? Authoraffiliationids: 60025153;60025153;60025153;60122238
? Corresponding: Gaiotti M.

44.

? Title: Calibration of the cohesive parameters of fiberglass reinforced plastic plates with an embedded delamination by experiments
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85038925874
? Issn: 10986189
? eISSN: 15551792
? Pages: 139-145
? Authors: Maggiani Greta; Boote Dario; Gaggero Tomaso; Gaiotti Marco; Rizzo Cesare Mario
? Keywords: Cohesive elements | Cohesive interface | Cohesive model | Composite | Delamination | Fiberglass
? 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)
2017:
? Energy Engineering and Power Technology (Q3, rank 141, percentile 31)

- ? Ocean Engineering (Q3, rank 67, percentile 28)
 - ? Mechanical Engineering (Q3, rank 426, percentile 26)
 - ? Source Id: 77392
 - ? Author Ids: 57200045624;56214807300;55212255700;55200599100;15072981100
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Maggiani G.
- 45.
- ? Title: Reduced finite element models for mast analysis
 - ? Venue: Progress in the Analysis and Design of Marine Structures Proceedings of the 6th International Conference on Marine Structures Marstruct 2017
 - ? Year: 2017
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 4
 - ? Doi: 10.1201/9781315157368-20
 - ? Scopus ID: 2-s2.0-85035042006
 - ? Pages: 155-164
 - ? Authors: Lorenzetti A.; Gaiotti M.; Ghelardi S.; Rizzo C. M.
 - ? Source Id: 21100840005
 - ? Author Ids: 57197809625;55200599100;56030081700;15072981100
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 - ? Corresponding: Lorenzetti A.
- 46.
- ? Title: Assessment of welded joints by strain energy density approach accounting for misalignments and geometrical imperfections
 - ? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE
 - ? Year: 2017
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 3
 - ? Doi: 10.1115/Omae201761183
 - ? Scopus ID: 2-s2.0-85031945055
 - ? Volume: 4
 - ? Authors: Gaiotti Marco; Rizzo Cesare Mario; Berto Filippo
 - ? Source Id: 91440
 - ? Author Ids: 55200599100;15072981100;10042142600
 - ? Authoraffiliationids: 60025153;60025153;60013141
 - ? Corresponding: Gaiotti M.
- 47.
- ? Title: Effect of shear stresses on the ultimate strength of the hull girder of a containership
 - ? Venue: International Journal of Offshore and Polar Engineering
 - ? Year: 2016
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 2
 - ? DOI: 10.17736/ijope.2016.jc649
 - ? Scopus ID: 2-s2.0-84976550310
 - ? Issn: 10535381
 - ? Volume: 26
 - ? Issue: 2
 - ? Pages: 183-191
 - ? Authors: Gaiotti Marco; Fujikubo Masahiko; Grasso Nicola; Rizzo Cesare Mario

? Keywords: Buckling | Combined loads | Containership | Shear | Ultimate load

? 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)

2016:

? Mechanical Engineering (Q2, rank 266, percentile 51)

? Ocean Engineering (Q2, rank 43, percentile 51)

? Civil and Structural Engineering (Q2, rank 130, percentile 50)

? Source Id: 20452

? Author Ids: 55200599100;7003568966;56912346300;15072981100

? Authoraffiliationids: 60025153;60024322;60025153;60025153

? Corresponding: Gaiotti M.

48.

? Title: Material selection for the gas containment system of a compressed natural gas carrier fleet

? Venue: Applied Ocean Research

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.1016/j.apor.2015.11.005

? Scopus ID: 2-s2.0-84950279126

? Issn: 01411187

? Volume: 55

? Pages: 37-47

? Authors: Gaiotti M.; Rizzo C. M.; Rizzato E.; Vernengo G.

? Keywords: Compressed natural gas (CNG) | Fiber reinforced plastic (FRP) | Finite element method (FEM) | Multi-objective decision making environment | Ship synthesis model (SSM)

? Quartile:

2025:

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

2016:

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

? Source Id: 26776

? Author Ids: 55200599100;15072981100;6602173744;37662376400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gaiotti M.

49.

? Title: Structural behaviour of yacht fillers

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

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.3940/rina.ijsc.2016.b2.197

? Scopus ID: 2-s2.0-85046357953

? Issn: 17400694

? Volume: 158

? Pages: 89-99

? Authors: Gaiotti M.; Rizzo C. M.; Nebbia G.; Caleo A.

? Quartile:

2016:

? Ocean Engineering (Q4, rank 71, percentile 18)

? Civil and Structural Engineering (Q4, rank 232, percentile 10)

? Source Id: 5000154004

? Author Ids: 55200599100;15072981100;56865689000;56865960200

? Authoraffiliationids: 60025153;60025153;60025153;60083109

? Corresponding: Gaiotti M.

50.

? Title: Effect of combined shear stresses on the ultimate axial response of the double bottom of a containership

? Venue: Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering OMAE

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1115/Omae201654908

? Scopus ID: 2-s2.0-84996538307

? Volume: 9

? Authors: Gaiotti Marco; Fujikubo Masahiko; Bacoccoli Riccardo; Rizzo Cesare Mario

? Source Id: 91440

? Author Ids: 55200599100;7003568966;57192072746;15072981100

? Authoraffiliationids: 60025153;60024322;60025153;60025153

? Corresponding: Gaiotti M.

51.

? Title: On the shear lag effective breadth concept for composite hull structures

? Venue: Ships and Offshore Structures

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1080/17445302.2014.887172

? Scopus ID: 2-s2.0-84931007067

? Issn: 17445302

? Volume: 10

? Issue: 3

? Pages: 272-289

? Authors: Ghelardi Stefano; Gaiotti Marco; Rizzo Cesare M.

? Keywords: composites | effective breadth | finite element analysis | stiffened plates

? Quartile:

2025:

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

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

2015:

? Ocean Engineering (Q2, rank 36, percentile 60)

? Mechanical Engineering (Q2, rank 241, percentile 54)

? Source Id: 19700186818

? Author Ids: 56030081700;55200599100;15072981100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Ghelardi S.

52.

? Title: Dynamic buckling of masts of large sail ships

? Venue: Ships and Offshore Structures

? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1080/17445302.2014.887175
? Scopus ID: 2-s2.0-84931005847
? Issn: 17445302
? Volume: 10
? Issue: 3
? Pages: 290-301
? Authors: Gaiotti Marco; Rizzo Cesare M.
? Keywords: dynamic buckling | FEM | mast | rigging | sail ship
? Quartile:
2025:
? Ocean Engineering (Q2, rank 33, percentile 71)
? Mechanical Engineering (Q2, rank 235, percentile 68)
2015:
? Ocean Engineering (Q2, rank 36, percentile 60)
? Mechanical Engineering (Q2, rank 241, percentile 54)
? Source Id: 19700186818
? Author Ids: 55200599100;15072981100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gaiotti M.

53.
? Title: Optimization of the ballistic properties of an advanced composite armor system: Analysis and validation of numerical models subject to high velocity impacts
? 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: 1
? Scopus ID: 2-s2.0-84983580369
? Volume: 1
? Pages: 463-474
? Authors: Sabadin G.; Gaiotti M.; Rizzo C. M.; Bassano A.
? Source Id: 21100776075
? Author Ids: 57190866719;55200599100;15072981100;26021711300
? Authoraffiliationids: 60025153;60025153;60025153;113302561
? Corresponding: Sabadin G.

54.
? Title: Influence of air inclusions on marine composites inter-laminar shear strength
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Scopus ID: 2-s2.0-84944686137
? Issn: 10986189
? eISSN: 15551792
? Volume: 2015-January
? Pages: 593-601
? Authors: Godani Mattia; Gaiotti Marco; Rizzo Cesare Mario
? Keywords: Air inclusion | Composite | Finite element analysis | Inter-laminar shear |

Testing

? 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)

2015:

- ? Energy Engineering and Power Technology (Q3, rank 112, percentile 38)
- ? Ocean Engineering (Q3, rank 56, percentile 37)
- ? Mechanical Engineering (Q3, rank 358, percentile 32)

? Source Id: 77392

? Author Ids: 56118741700;55200599100;15072981100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Godani M.

55.

? Title: Effect of shear stresses onto the hull girder ultimate strength of a containership

? Venue: Proceedings of the International Offshore and Polar Engineering Conference

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-84944685240

? Issn: 10986189

? eISSN: 15551792

? Volume: 2015-January

? Pages: 1135-1143

? Authors: Fujikubo Masahiko; Gaiotti Marco; Grasso Nicola; Rizzo Cesare Mario

? Keywords: Buckling | Combined loads | Containership | Shear | Ultimate load

? 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)

2015:

- ? Energy Engineering and Power Technology (Q3, rank 112, percentile 38)
- ? Ocean Engineering (Q3, rank 56, percentile 37)
- ? Mechanical Engineering (Q3, rank 358, percentile 32)

? Source Id: 77392

? Author Ids: 7003568966;55200599100;56912346300;15072981100

? Authoraffiliationids: 60024322;;;

? Corresponding: Fujikubo M.

56.

? Title: Mechanical characterization of yachts and pleasure crafts fillers

? Venue: Analysis and Design of Marine Structures Proceedings of the 5th International Conference on Marine Structures Marstruct 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? DOI: 10.1201/b18179-83

? Scopus ID: 2-s2.0-84942133848

? Pages: 627-635

? Authors: Nebbia G.; Rizzo C. M.; Gaiotti M.; Caleo A.

? Source Id: 21100986043
? Author Ids: 56865689000;15072981100;55200599100;56865960200
? Authoraffiliationids: 60025153;60025153;60025153;113018464
? Corresponding: Nebbia G.

57.

? Title: Numerical simulation strategies of single lap joints
? Venue: Proceedings of the International Offshore and Polar Engineering Conference
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-84906919672
? Issn: 10986189
? eISSN: 15551792
? Pages: 179-186
? Authors: Tomaso Emma; Risso Giovanni; Gaiotti Marco; Rizzo Cesare M.
? Keywords: Adina | Bonded joint | Cohesive zone model | Marc | Single lap test
? 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)
2014:
? Energy Engineering and Power Technology (Q3, rank 97, percentile 44)
? Ocean Engineering (Q3, rank 52, percentile 41)
? Mechanical Engineering (Q3, rank 327, percentile 37)
? Source Id: 77392
? Author Ids: 56349242000;55212605200;55200599100;15072981100
? Authoraffiliationids: 60025153;60122238;60025153;60025153
? Corresponding: Tomaso E.

58.

? Title: Interlaminar shear strength of marine composite laminates: Tests and numerical simulations
? Venue: Composite Structures
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 21
? DOI: 10.1016/j.compstruct.2014.02.013
? Scopus ID: 2-s2.0-84898828190
? Issn: 02638223
? Volume: 112
? Issue: 1
? Pages: 122-133
? Authors: Godani M.; Gaiotti M.; Rizzo C. M.
? Keywords: Experimental testing | FEM | Interlaminar shear | Marine composites
? Quartile:
2025:
? Civil and Structural Engineering (Q1, rank 11, percentile 97)
? Ceramics and Composites (Q1, rank 10, percentile 92)
2014:
? Civil and Structural Engineering (Q1, rank 5, percentile 98)
? Ceramics and Composites (Q1, rank 7, percentile 92)
? Source Id: 15063

? Author Ids: 56118741700;55200599100;15072981100

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Godani M.

59.

? Title: An high order mixed interpolation tensorial components (MITC) shell element approach for modeling the buckling behavior of delaminated composites

? Venue: Composite Structures

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 22

? DOI: 10.1016/j.compstruct.2013.10.003

? Scopus ID: 2-s2.0-84893025184

? Issn: 02638223

? Volume: 108

? Issue: 1

? Pages: 657-666

? Authors: Gaiotti Marco; Rizzo Cesare M.; Branner Kim; Berring Peter

? Keywords: Buckling | Composites | Delamination | FEM modeling | Tests

? Quartile:

2025:

? Civil and Structural Engineering (Q1, rank 11, percentile 97)

? Ceramics and Composites (Q1, rank 10, percentile 92)

2014:

? Civil and Structural Engineering (Q1, rank 5, percentile 98)

? Ceramics and Composites (Q1, rank 7, percentile 92)

? Source Id: 15063

? Author Ids: 55200599100;15072981100;22937137000;36607392100

? Authoraffiliationids: 60025153;60025153;60011373;60011373

? Corresponding: Gaiotti M.

60.

? Title: Finite element modeling strategies for sandwich composite laminates under compressive loading

? Venue: Ocean Engineering

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 23

? DOI: 10.1016/j.oceaneng.2013.01.031

? Scopus ID: 2-s2.0-84874913673

? Issn: 00298018

? Volume: 63

? Pages: 44-51

? Authors: Gaiotti Marco; Rizzo Cesare M.

? Keywords: Buckling | Composites | Delamination | FEM modeling | Sandwich

? Quartile:

2025:

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

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

2013:

? Ocean Engineering (Q1, rank 13, percentile 85)

? Environmental Engineering (Q2, rank 27, percentile 72)

? Source Id: 28339

? Author Ids: 55200599100;15072981100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaiotti M.

61.

? Title: Calibration of a finite element composite delamination model by experiments

? Venue: Analysis and Design of Marine Structures Proceedings of the 4th International Conference on Marine Structures Marstruct 2013

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1201/b15120-53

? Scopus ID: 2-s2.0-84874498011

? Pages: 389-396

? Authors: Gaiotti M.; Rizzo C. M.; Branner K.; Berring P.

? Source Id: 21100229849

? Author Ids: 55200599100;15072981100;22937137000;36607392100

? Authoraffiliationids: 60025153;60025153;60011373;60011373

? Corresponding: Gaiotti M.

62.

? Title: Buckling behavior of FRP sandwich panels made by hand layup and vacuum bag infusion procedure

? 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: 6

? Scopus ID: 2-s2.0-84896832152

? Volume: 1

? Pages: 385-392

? Authors: Gaiotti Marco; Rizzo Cesare M.

? Source Id: 21100291826

? Author Ids: 55200599100;15072981100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaiotti M.

63.

? Title: An analytical/numerical study on buckling behaviour of typical composite top hat stiffened panels

? Venue: Ships and Offshore Structures

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 14

? Doi: 10.1080/17445302.2010.505370

? Scopus ID: 2-s2.0-84860338143

? Issn: 17445302

? Volume: 7

? Issue: 2

? Pages: 151-164

? Authors: Gaiotti Marco; Rizzo Cesare M.

? Keywords: buckling | composite | naval structures | pleasure craft | scantling assessments

? Quartile:

2025:

- ? Ocean Engineering (Q2, rank 33, percentile 71)
- ? Mechanical Engineering (Q2, rank 235, percentile 68)

2012:

- ? Ocean Engineering (Q2, rank 36, percentile 58)
- ? Mechanical Engineering (Q3, rank 267, percentile 46)

? Source Id: 19700186818

? Author Ids: 55200599100;15072981100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaiotti M.

64.

? Title: Comparison of two finite element methods with experiments of delaminated composite panels

? Venue: Iccm International Conferences on Composite Materials

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Scopus ID: 2-s2.0-84875938149

? Authors: Branner K.; Berring P.; Gaiotti M.; Rizzo C. M.

? Keywords: Compressive strength | Delamination | Experiments | Finite element analysis

? Source Id: 19900192335

? Author Ids: 22937137000;36607392100;55200599100;15072981100

? Authoraffiliationids: 60011373;60011373;60025153;60025153

? Corresponding: Branner K.

65.

? Title: Buckling behavior of FRP sandwich panels made by hand layup and vacuum bag infusion procedure

? Venue: Sustainable Maritime Transportation and Exploitation of Sea Resources

? Year: 2011

? Type: Book

? Subtype: Book Chapter

? Citations: 2

? Scopus ID: 2-s2.0-85059551556

? Pages: 385-392

? Authors: Gaiotti Marco; Rizzo Cesare M.

? Source Id: 21100894060

? Author Ids: 55200599100;15072981100

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaiotti M.

66.

? Title: Finite elements modeling of delaminations in composite laminates

? Venue: Advances in Marine Structures

? Year: 2011

? Type: Book

? Subtype: Book Chapter

? Citations: 0

? Scopus ID: 2-s2.0-85133226618

? Pages: 133-139

? Authors: Gaiotti M.; Rizzo C. M.; Branner K.; Berring P.

? Source Id: 21101094529

? Author Ids: 55200599100;15072981100;22937137000;36607392100

? Authoraffiliationids: 60025153;60025153;60011373;60011373

? Corresponding: Gaiotti M.

67.

- ? Title: Finite elements modeling of delaminations in composite laminates
- ? Venue: Advances in Marine Structures Proceedings of the 3rd International Conference on Marine Structures Marstruct 2011
- ? Year: 2011
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 9
- ? DOI: 10.1201/b10771-18
- ? Scopus ID: 2-s2.0-84860788878
- ? Pages: 133-139
- ? Authors: Gaiotti M.; Rizzo C. M.; Branner K.; Berring P.
- ? Source Id: 21100201968
- ? Author Ids: 55200599100;15072981100;22937137000;36607392100
- ? Authoraffiliationids: 60025153;60025153;60011373;60011373
- ? Corresponding: Gaiotti M.