# Mogens Blanke

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 186 papers | 3,419 citations | 236925<br>25 h-index | 223800<br>46 g-index |
| 189 all docs | 189 docs citations | 189 times ranked | 2198 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Fault-tolerant control systems â€" A holistic view. Control Engineering Practice, 1997, 5, 693-702. | 5.5 | 253 |
| 2 | Diagnosis and Fault-Tolerant Control. , 2016, , . | | 242 |
| 3 | Concepts and methods in fault-tolerant control. , 2001, , . | | 176 |
| 4 | Fully magnetic attitude control for spacecraft subject to gravity gradient. Automatica, 1999, 35, 1201-1214. | 5.0 | 165 |
| 5 | A ship propulsion system as a benchmark for fault-tolerant control. Control Engineering Practice, 1999, 7, 227-239. | 5.5 | 118 |
| 6 | Nonlinear output feedback control of underwater vehicle propellers using feedback form estimated axial flow velocity. IEEE Journal of Oceanic Engineering, 2000, 25, 241-255. | 3.8 | 101 |
| 7 | Ship roll damping control. Annual Reviews in Control, 2012, 36, 129-147. | 7.9 | 97 |
| 8 | Fault monitoring and re-configurable control for a ship propulsion plant. International Journal of Adaptive Control and Signal Processing, 1998, 12, 671-688. | 4.1 | 95 |
| 9 | What is Fault-Tolerant Control?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 41-52. | 0.4 | 93 |
| 10 | Diagnosis of Airspeed Measurement Faults for Unmanned Aerial Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 224-239. | 4.7 | 77 |
| 11 | Particle Filter for Fault Diagnosis and Robust Navigation of Underwater Robot. IEEE Transactions on Control Systems Technology, 2014, 22, 2399-2407. | 5.2 | 70 |
| 12 | Oestrus detection in dairy cows from activity and lying data using on-line individual models. Computers and Electronics in Agriculture, 2011, 76, 6-15. | 7.7 | 63 |
| 13 | &lt;inline-formula&gt;&lt;tex-math&gt;${cal L}_1$&lt;/tex-math&gt;&lt;/inline-formula&gt; Adaptive Speed Control of a Small Wind Energy Conversion System for Maximum Power Point Tracking. IEEE Transactions on Energy Conversion, 2014, 29, 576-584. | 5.2 | 55 |
| 14 | Fault diagnosis of downhole drilling incidents using adaptive observers and statistical change detection. Journal of Process Control, 2015, 30, 90-103. | 3.3 | 55 |
| 15 | Identification of a class of nonlinear state-space models using RPE techniques. IEEE Transactions on Automatic Control, 1989, 34, 312-316. | 5.7 | 51 |
| 16 | Dynamic Model for Thrust Generation of Marine Propellers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 353-358. | 0.4 | 46 |
| 17 | Sensor fault masking of a ship propulsion system. Control Engineering Practice, 2006, 14, 1337-1345. | 5.5 | 44 |
| 18 | Dynamic properties of a container vessel with low metacentric height. Transactions of the Institute of Measurement and Control, 1997, 19, 78-93. | 1.7 | 43 |

| # | Article | IF | Citations |
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| 19 | Consistent design of dependable control systems. Control Engineering Practice, 1996, 4, 1305-1312. | 5.5 | 42 |
| 20 | Early Detection of Parametric Roll Resonance on Container Ships. IEEE Transactions on Control Systems Technology, 2013, 21, 489-503. | 5.2 | 42 |
| 21 | Nonlinear Container Ship Model for the Study of Parametric Roll Resonance. Modeling, Identification and Control, 2007, 28, 87-103. | 1.1 | 42 |
| 22 | Drillstring Washout Diagnosis Using Friction Estimation and Statistical Change Detection. IEEE Transactions on Control Systems Technology, 2015, 23, 1886-1900. | 5.2 | 32 |
| 23 | Incident detection and isolation in drilling using analytical redundancy relations. Control Engineering Practice, 2015, 41, 1-12. | 5.5 | 31 |
| 24 | Recoverability viewed as a system property. , 1999, , . | | 29 |
| 25 | Wind Turbine Inverter Robust Loop-Shaping Control Subject to Grid Interaction Effects. IEEE Transactions on Sustainable Energy, 2016, 7, 41-50. | 8.8 | 29 |
| 26 | Fault detection for a diesel engine actuator - A benchmark for FDI. Control Engineering Practice, 1995, 3, 1731-1740. | 5.5 | 28 |
| 27 | Electrical steering of vehicles - fault-tolerant analysis and design. Microelectronics Reliability, 2006, 46, 1421-1432. | 1.7 | 26 |
| 28 | Constrained multi-body dynamics for modular underwater robots â€" Theory and experiments. Ocean Engineering, 2018, 149, 358-372. | 4.3 | 26 |
| 29 | Traversable terrain classification for outdoor autonomous robots using single 2D laser scans. Integrated Computer-Aided Engineering, 2006, 13, 223-232. | 4.6 | 25 |
| 30 | Smart Sensor Based Obstacle Detection for High-Speed Unmanned Surface Vehicle. IFAC-PapersOnLine, 2015, 48, 190-197. | 0.9 | 25 |
| 31 | Passivity-Based Control of Rigid Electrodynamic Tether. Journal of Guidance, Control, and Dynamics, 2011, 34, 118-127. | 2.8 | 24 |
| 32 | Modelling and identification for control of gas bearings. Mechanical Systems and Signal Processing, 2016, 70-71, 1150-1170. | 8.0 | 24 |
| 33 | Assessing Deep-learning Methods for Object Detection at Sea from LWIR Images. IFAC-PapersOnLine, 2019, 52, 64-71. | 0.9 | 24 |
| 34 | Position mooring control based on a structural reliability criterion. Structural Safety, 2013, 41, 97-106. | 5.3 | 23 |
| 35 | Marine diesel engine control to meet emission requirements and maintain maneuverability. Control Engineering Practice, 2018, 76, 12-21. | 5.5 | 22 |
| 36 | Multivariable identification of ship steering and roll motions. Transactions of the Institute of Measurement and Control, 1997, 19, 63-77. | 1.7 | 21 |

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| 37 | Diagnosis and Fault-Tolerant Control for Ship Station Keeping. , 0, , . | | 21 |
| 38 | Robust control mixer method for reconfigurable control design using model matching. IET Control Theory and Applications, 2007, 1, 349-357. | 2.1 | 20 |
| 39 | A unified approach to controllability analysis for hybrid control systems. Nonlinear Analysis: Hybrid Systems, 2007, 1, 212-222. | 3.5 | 20 |
| 40 | Statistical fault diagnosis of wind turbine drivetrain applied to a 5MW floating wind turbine. Journal of Physics: Conference Series, 2016, 753, 052017. | 0.4 | 20 |
| 41 | Residual generation for the ship benchmark using structural approach. , 1998, , . | | 19 |
| 42 | Robust Backlash Estimation for Industrial Drive-Train Systemsâ€"Theory and Validation. IEEE Transactions on Control Systems Technology, 2019, 27, 1847-1861. | 5.2 | 19 |
| 43 | Mooring system diagnosis and structural reliability control for position moored vessels. Control Engineering Practice, 2015, 36, 12-26. | 5.5 | 18 |
| 44 | Condition monitoring of sparâ€type floating wind turbine drivetrain using statistical fault diagnosis. Wind Energy, 2018, 21, 575-589. | 4.2 | 18 |
| 45 | Fault tolerant position-mooring control for offshore vessels. Ocean Engineering, 2018, 148, 426-441. | 4.3 | 18 |
| 46 | Roll damping by rudder control-a new H/sub /spl infin// approach. , 1994, , . | | 17 |
| 47 | The robust control mixer module method for control reconfiguration. , 2000, , . | | 17 |
| 48 | SATOOL - A SOFTWARE TOOL FOR STRUCTURAL ANALYSIS OF COMPLEX AUTOMATION SYSTEMS 1,2. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 629-634. | 0.4 | 17 |
| 49 | Dynamic modeling and validation of a biomass hydrothermal pretreatment processâ€"a demonstration scale study. AICHE Journal, 2015, 61, 4235-4250. | 3.6 | 17 |
| 50 | Stereo vision with texture learning for fault-tolerant automatic baling. Computers and Electronics in Agriculture, 2011, 75, 159-168. | 7.7 | 16 |
| 51 | Fault diagnosis for electrical distribution systems using structural analysis. International Journal of Robust and Nonlinear Control, 2014, 24, 1446-1465. | 3.7 | 16 |
| 52 | Self-reconfiguration of modular underwater robots using an energy heuristic. , 2017, , . | | 16 |
| 53 | Nonlinear Adaptive Control of Exhaust Gas Recirculation for Large Diesel Engines. IFAC-PapersOnLine, 2015, 48, 254-260. | 0.9 | 15 |
| 54 | Response analysis and comparison of a spar-type floating offshore wind turbine and an onshore wind turbine under blade pitch controller faults. Wind Energy, 2016, 19, 35-50. | 4.2 | 15 |

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| 55 | Backlash estimation for industrial drive-train systems. IFAC-PapersOnLine, 2017, 50, 3281-3286. | 0.9 | 15 |
| 56 | Machine learning enhancement of manoeuvring prediction for ship Digital Twin using full-scale recordings. Ocean Engineering, 2022, 257, 111579. | 4.3 | 15 |
| 57 | Fault Diagnosis Of A Water For Injection System Using Enhanced Structural Isolation. International Journal of Applied Mathematics and Computer Science, 2008, 18, 593-604. | 1.5 | 14 |
| 58 | Diagnosis of Wing Icing Through Lift and Drag Coefficient Change Detection for Small. IFAC-PapersOnLine, 2015, 48, 541-546. | 0.9 | 14 |
| 59 | Parametric roll resonance monitoring using signal-based detection. Ocean Engineering, 2015, 109, 355-371. | 4.3 | 14 |
| 60 | Fault tolerant emergency control to preserve power system stability. Control Engineering Practice, 2016, 53, 151-159. | 5.5 | 14 |
| 61 | Industrial actuator benchmark for fault detection and isolation. Control Engineering Practice, 1995, 3, 1727-1730. | 5.5 | 13 |
| 62 | Diagnosis of UAV Pitot Tube Defects Using Statistical Change Detection. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 485-490. | 0.4 | 13 |
| 63 | Fault monitoring and fault recovery control for position-moored vessels. International Journal of Applied Mathematics and Computer Science, 2011, 21, 467-478. | 1.5 | 13 |
| 64 | Unmanned Water Craft Identification and Adaptive Control in Low-Speed and Reversing Regions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 150-155. | 0.4 | 13 |
| 65 | Quantitative Analysis and Design of a Rudder Roll Damping Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 105-110. | 0.4 | 12 |
| 66 | Spectral Signatures of Surface Materials in Pig Buildings. Biosystems Engineering, 2006, 94, 495-504. | 4.3 | 12 |
| 67 | Stabilisation of parametric roll resonance by combined speed and fin stabiliser control. , 2009, , . | | 12 |
| 68 | L1 Adaptive Manoeuvring Control of Unmanned High-speed Water Craft. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 144-151. | 0.4 | 12 |
| 69 | Control-Oriented Model of Molar Scavenge Oxygen Fraction for Exhaust Recirculation in Large Diesel Engines. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, . | 1.6 | 12 |
| 70 | Adaptive feedforward control of exhaust recirculation in large diesel engines. Control Engineering Practice, 2017, 65, 26-35. | 5.5 | 12 |
| 71 | Rudder Roll Damping in Coastal Region Sea Conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 39-44. | 0.4 | 11 |
| 72 | Drag-free motion control of satellite for high-precision gravity field mapping. , 0, , . | | 11 |

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| 73 | Cheap diagnosis using structural modelling and fuzzy-logic-based detection. Control Engineering Practice, 2003, 11, 415-422. | 5.5 | 11 |
| 74 | Centralised versus Decentralised Control Reconfiguration for Collaborating Underwater Robots. IFAC-PapersOnLine, 2015, 48, 732-739. | 0.9 | 11 |
| 75 | Performance Comparison of Controllers with Fault-Dependent Control Allocation for UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 87, 187-207. | 3.4 | 11 |
| 76 | Fault Detection for Shipboard Monitoring â€" Volterra Kernel and Hammerstein Model Approaches. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 24-29. | 0.4 | 10 |
| 77 | Modeling of tethered satellite formations using graph theory. Acta Astronautica, 2011, 69, 470-479. | 3.2 | 10 |
| 78 | Observer backstepping control for variable speed wind turbine. , 2013, , . | | 10 |
| 79 | Adaptive and sliding mode friction-resilient machine tool positioning â€" Cascaded control revisited. Mechanical Systems and Signal Processing, 2019, 132, 35-54. | 8.0 | 10 |
| 80 | Ice Condition Assessment Using Onboard Accelerometers and Statistical Change Detection. IEEE Journal of Oceanic Engineering, 2020, 45, 898-914. | 3.8 | 10 |
| 81 | A Robust Roll Damping Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 89-93. | 0.4 | 9 |
| 82 | STRUCTURAL DESIGN OF SYSTEMS WITH SAFE BEHAVIOR UNDER SINGLE AND MULTIPLE FAULTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 474-479. | 0.4 | 9 |
| 83 | Fault-tolerant Actuator System for Electrical Steering of Vehicles. , 2006, , . | | 9 |
| 84 | DIAGNOSIS AND FAULT-TOLERANT CONTROL FOR THRUSTER-ASSISTED POSITION MOORING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 287-292. | 0.4 | 9 |
| 85 | Statistical Change Detection for Diagnosis of Buoyancy Element Defects on Moored Floating Vessels. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 462-467. | 0.4 | 9 |
| 86 | Modelling for Control of Exhaust Gas Recirculation on Large Diesel Engines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 380-385. | 0.4 | 9 |
| 87 | Navigation System Fault Diagnosis for Underwater Vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9654-9660. | 0.4 | 9 |
| 88 | A Framework for Diagnosis of Critical Faults in Unmanned Aerial Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10555-10561. | 0.4 | 9 |
| 89 | Combined Geometric and Neural Network Approach to Generic Fault Diagnosis in Satellite Actuators and Sensors. IFAC-PapersOnLine, 2016, 49, 432-437. | 0.9 | 9 |
| 90 | Model-based plantwide optimization of large scale lignocellulosic bioethanol plants. Biochemical Engineering Journal, 2017, 124, 13-25. | 3.6 | 9 |

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| 91 | Vision-based Object Tracking in Marine Environments using Features from Neural Network Detections. IFAC-PapersOnLine, 2020, 53, 14517-14523. | 0.9 | 9 |
| 92 | Combining a Novel Computer Vision Sensor with a Cleaning Robot to Achieve Autonomous Pig House Cleaning. , 0, , . | | 8 |
| 93 | Short-Range Sensor for Underwater Robot Navigation using Line-lasers and Vision. IFAC-PapersOnLine, 2015, 48, 113-120. | 0.9 | 8 |
| 94 | Combined Geometric and Neural Network Approach to Generic Fault Diagnosis in Satellite Reaction Wheels. IFAC-PapersOnLine, 2015, 48, 194-199. | 0.9 | 8 |
| 95 | Adaptive Observer for Nonlinearly Parameterized Hammerstein System With Sensor Delayâ€"Applied to Ship Emissions Reduction. IEEE Transactions on Control Systems Technology, 2018, 26, 1508-1515. | 5.2 | 8 |
| 96 | Comparing Spectral Bands for Object Detection at Sea using Convolutional Neural Networks. Journal of Physics: Conference Series, 2019, 1357, 012036. | 0.4 | 8 |
| 97 | Satool - A Software Tool for Structural Analysis of Complex Automation Systems116th IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes, Beijing, PR China, August 30 - September 1, 200622Support is gratefully acknowledged from American Power Conversion, Denmark A/S and from the Danish Research Council, under grant number 431-294, the Agrobotics project.. , 2007, , 629-634. | | 8 |
| 98 | Autonomous Surface Vessel with Remote Human on the Loop: System Design for STCW Compliance. IFAC-PapersOnLine, 2021, 54, 224-231. | 0.9 | 8 |
| 99 | Structural analysis - a case study of the rÃ¸mer satellite. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 185-190. | 0.4 | 7 |
| 100 | Design of a Vision-Based Sensor for Autonomous Pig House Cleaning. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1. | 1.7 | 7 |
| 101 | Robust adaptive backstepping control design for a Nonlinear Hydraulic-Mechanical System. , 2009, , . | | 7 |
| 102 | Towards self-tuning residual generators for UAV control surface fault diagnosis. , 2013, , . | | 7 |
| 103 | Experimental Grey Box Model Identification and Control of an Active Gas Bearing. Mechanisms and Machine Science, 2015, , 963-976. | 0.5 | 7 |
| 104 | Stability Boundaries for Offshore Wind Park Distributed Voltage Control. IEEE Transactions on Control Systems Technology, 2017, 25, 1496-1504. | 5.2 | 7 |
| 105 | Diagnostic monitoring of drivetrain in a 5 MW spar-type floating wind turbine using Hilbert spectral analysis. Energy Procedia, 2017, 137, 204-213. | 1.8 | 7 |
| 106 | Uncertainty Models for Rudder-Roll Damping Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 7981-7986. | 0.4 | 6 |
| 107 | On-Line Multiple-Model Based Adaptive Control Reconfiguration for a Class of Nonlinear Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 729-734. | 0.4 | 6 |
| 108 | ON THE FEASIBILITY OF STABILIZING PARAMETRIC ROLL WITH ACTIVE BIFURCATION CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 50-56. | 0.4 | 6 |

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| 109 | Addressing the Security of a Future Sustainable Power System: The Danish SOSPO Project. , 2012, , . | | 6 |
| 110 | Exhaust Gas Recirculation Control for Large Diesel Engines â€" Achievable Performance with SISO Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 346-351. | 0.4 | 6 |
| 111 | Efficient Modelling Methodology for Reconfigurable Underwater Robots. IFAC-PapersOnLine, 2016, 49, 74-80. | 0.9 | 6 |
| 112 | Cooperative Rendezvous and Docking for Underwater Robots using Model Predictive Control and Dual Decomposition. , 2018, , . | | 6 |
| 113 | Parallel Automaton Representation of Marine Craftsâ€™ COLREGs-based Manoeuvering Behaviours. IFAC-PapersOnLine, 2019, 52, 103-110. | 0.9 | 6 |
| 114 | Introduction to diagnosis and fault-tolerant control. , 2003, , 1-26. | | 6 |
| 115 | A Unified Approach for Controllability Analysis of Hybrid Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 165-170. | 0.4 | 5 |
| 116 | Stability Analysis of the Parametric Roll Resonance Under Non-Constant Ship Speed. , 2008, , . | | 5 |
| 117 | Control surface fault diagnosis with specified detection probability â€" Real event experiences. , 2013, , . | | 5 |
| 118 | Calculation of Critical Fault Recovery Time for Nonlinear Systems based on Region of Attraction Analysis 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6741-6746. | 0.4 | 5 |
| 119 | Early Pack-Off Diagnosis in Drilling Using an Adaptive Observer and Statistical Change Detection. IFAC-PapersOnLine, 2015, 48, 177-182. | 0.9 | 5 |
| 120 | Validation of multi-body modelling methodology for reconfigurable underwater robots. , 2016, , . | | 5 |
| 121 | Adaptive FTC based on control allocation and fault accommodation for satellite reaction wheels. , 2016, , . | | 5 |
| 122 | Online friction parameter estimation for machine tools. Advanced Control for Applications, 2020, 2, e28. | 1.7 | 5 |
| 123 | COLREGs-based Situation Awareness for Marine Vessels - a Discrete Event Systems Approach. IFAC-PapersOnLine, 2020, 53, 14501-14508. | 0.9 | 5 |
| 124 | Risk mitigation by design of autonomous maritime automation systems. Automatisierungstechnik, 2022, 70, 469-481. | 0.8 | 5 |
| 125 | Enhanced Maritime Safety Through Diagnosis and Fault Tolerant Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 1-19. | 0.4 | 4 |
| 126 | Structural Design of Systems with Safe Behavior Under Single and Multiple Faults. , 2007, , 474-479. | | 4 |

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| 128 | Detection of Parametric Roll for Ships. , 2012, , 17-43. | | 4 |
| 129 | Compositional finite-time stability analysis of nonlinear systems. , 2014, , . | | 4 |
| 130 | Stabiliser Fault Emergency Control using Reconfiguration to Preserve Power System Stability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9093-9098. | 0.4 | 4 |
| 131 | Friction-resilient position control for machine tools—Adaptive and sliding-mode methods compared. Control Engineering Practice, 2018, 75, 69-85. | 5.5 | 4 |
| 132 | Lipschitz Constrained Neural Networks for Robust Object Detection at Sea. IOP Conference Series: Materials Science and Engineering, 2020, 929, 012023. | 0.6 | 4 |
| 133 | Optimized Experiment Design for Marine Systems Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8249-8254. | 0.4 | 3 |
| 134 | Nonlinear control of electrodynamic tether in equatorial or somewhat inclined orbits. , 2007, , . | | 3 |
| 135 | Control by damping injection of electrodynamic tether system in an inclined orbit. , 2009, , . | | 3 |
| 136 | Structural Analysis Extended with Active Fault Isolation - Methods and Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 597-602. | 0.4 | 3 |
| 137 | Fault Isolation for Shipboard Decision Support. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 413-418. | 0.4 | 3 |
| 138 | Fault Tolerant ROV Navigation System Based on Particle Filter using Hydro-acoustic Position and Doppler Velocity Measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 280-286. | 0.4 | 3 |
| 139 | Early Detection and Localization of Downhole Incidents in Managed Pressure Drilling. , 2015, , . | | 3 |
| 140 | Convex relaxation of power dispatch for voltage stability improvement. , 2015, , . | | 3 |
| 141 | Fault Detection and Isolation in Linear Heterogeneous Multi-Agent Networks. IFAC-PapersOnLine, 2018, 51, 784-789. | 0.9 | 3 |
| 142 | Prognosis of railway ballast degradation for turnouts using track-side accelerations. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2020, 234, 601-610. | 0.7 | 3 |
| 143 | Monitoring of Turnout Ballast Degradation Using Statistical Low-Complexity Behavioral Models. IEEE Transactions on Control Systems Technology, 2021, 29, 278-293. | 5.2 | 3 |
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| 145 | Fault Isolation and Quality Assessment for Shipboard Monitoring. , 2010, , . | | 3 |
| 146 | Autonomy for Ships: A Sovereign Agents Architecture for Reliability and Safety by Design*. , 2021, , . | | 3 |
| 147 | Reconfigurable Control of a Ship Propulsion Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 47-54. | 0.4 | 2 |
| 148 | Rudder-Roll Damping Controller Design Using Î¼ Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 117-122. | 0.4 | 2 |
| 149 | A Sensitivity Approach to Identification of Ship Dynamics from Sea Trial Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 241-249. | 0.4 | 2 |
| 150 | STRUCTURAL ANALYSIS FOR DIAGNOSIS - THE MATCHING PROBLEM REVISITED. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 365-370. | 0.4 | 2 |
| 151 | DCMV A Matlab/SIMULINK Â® Toolbox for Dynamics and Control of Marine Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 43-48. | 0.4 | 2 |
| 152 | Adaptive Neural Network based Sliding Mode Control for Fin Roll Stabilization of Vessels. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 322-327. | 0.4 | 2 |
| 153 | Active sensor configuration validation for refrigeration systems. , 2010, , . | | 2 |
| 154 | Stochastic automata for outdoor semantic mapping using optimised signal quantisation. Control Engineering Practice, 2011, 19, 223-233. | 5.5 | 2 |
| 155 | Contingency Estimation of States for Unmanned Aerial Vehicle using a Spherical Simplex Unscented Filter. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1797-1802. | 0.4 | 2 |
| 156 | In-flight Fault Diagnosis for Autonomous Aircraft via Low-rate Telemetry Channel. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 576-581. | 0.4 | 2 |
| 157 | Cascade Controller Including Backstepping for Hydraulic-Mechanical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 310-315. | 0.4 | 2 |
| 158 | Modelling and &#x2112;&lt;inf&gt;1&lt;/inf&gt; adaptive control of temperature in biomass pretreatment. , 2013, , . | | 2 |
| 159 | Diagnosis of CO Pollution in HTPEM Fuel Cell using Statistical Change Detection. IFAC-PapersOnLine, 2015, 48, 547-553. | 0.9 | 2 |
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| 161 | Optimal Set-Point Chasing of Position Moored Vessel. , 2010, , . | | 2 |
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| 163 | Analysing Cyber-resiliency of a Marine Navigation System using Behavioural Relations. , 2021, , . | | 2 |
| 164 | REQUIREMENTS OF ADAPTIVE TECHNIQUES FOR ENHANCED CONTROL OF LARGE DIESEL ENGINES. , 1987, , 197-202. | | 1 |
| 165 | Rudder Roll Damping Controller with a Wave Observer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8237-8242. | 0.4 | 1 |
| 166 | Optimised Output Sensitivity Loop Shaping Controller for Ship Rudder Roll Damping. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13660-13665. | 0.4 | 1 |
| 167 | Fault diagnosis for nonlinear hydraulic-mechanical drilling pipe handling system. , 2011, , . | | 1 |
| 168 | Vertical Position Control for Top Tensioned Riser With Active Heave Compensator. , 2011, , . | | 1 |
| 169 | Fault tolerance for industrial actuators in absence of accurate models and hardware redundancy. , 2015, , . | | 1 |
| 170 | On the Joint Distribution of Excursion Duration and Amplitude of a Narrow-Band Gaussian Process. IEEE Access, 2018, 6, 15236-15248. | 4.2 | 1 |
| 171 | Open Water Detection for Autonomous In-harbor Navigation Using a Classification Network. IFAC-PapersOnLine, 2021, 54, 30-36. | 0.9 | 1 |
| 172 | Indirect Measurements of Added-Wave Resistance on an In-Service Container Ship. Lecture Notes in Civil Engineering, 2021, , 115-132. | 0.4 | 1 |
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| 174 | Nonlinear observer for signal and parameter fault detection in ship propulsion control. , 1999, , 375-397. | | 0 |
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| 181 | Call for Papers: â€˜Adaptive methods and signal processing for marine systemsâ€™. International Journal of Adaptive Control and Signal Processing, 2014, 28, 200-200. | 4.1 | 0 |
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