

Mogens Blanke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6789207/publications.pdf>

Version: 2024-02-01

185
papers

3,419
citations

236612

25
h-index

223531

46
g-index

189
all docs

189
docs citations

189
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-tolerant control systems – A holistic view. Control Engineering Practice, 1997, 5, 693-702.	3.2	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.	3.0	165
5	A ship propulsion system as a benchmark for fault-tolerant control. Control Engineering Practice, 1999, 7, 227-239.	3.2	118
6	Nonlinear output feedback control of underwater vehicle propellers using feedback from estimated axial flow velocity. IEEE Journal of Oceanic Engineering, 2000, 25, 241-255.	2.1	101
7	Ship roll damping control. Annual Reviews in Control, 2012, 36, 129-147.	4.4	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.	2.3	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.	2.6	77
11	Particle Filter for Fault Diagnosis and Robust Navigation of Underwater Robot. IEEE Transactions on Control Systems Technology, 2014, 22, 2399-2407.	3.2	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.	3.7	63
13	\mathcal{L}_1 Adaptive Speed Control of a Small Wind Energy Conversion System for Maximum Power Point Tracking. IEEE Transactions on Energy Conversion, 2014, 29, 576-584.	3.7	55
14	Fault diagnosis of downhole drilling incidents using adaptive observers and statistical change detection. Journal of Process Control, 2015, 30, 90-103.	1.7	55
15	Identification of a class of nonlinear state-space models using RPE techniques. IEEE Transactions on Automatic Control, 1989, 34, 312-316.	3.6	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.	3.2	44
18	Dynamic properties of a container vessel with low metacentric height. Transactions of the Institute of Measurement and Control, 1997, 19, 78-93.	1.1	43

#	ARTICLE	IF	CITATIONS
19	Consistent design of dependable control systems. <i>Control Engineering Practice</i> , 1996, 4, 1305-1312.	3.2	42
20	Early Detection of Parametric Roll Resonance on Container Ships. <i>IEEE Transactions on Control Systems Technology</i> , 2013, 21, 489-503.	3.2	42
21	Nonlinear Container Ship Model for the Study of Parametric Roll Resonance. <i>Modeling, Identification and Control</i> , 2007, 28, 87-103.	0.6	42
22	Drillstring Washout Diagnosis Using Friction Estimation and Statistical Change Detection. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 1886-1900.	3.2	32
23	Incident detection and isolation in drilling using analytical redundancy relations. <i>Control Engineering Practice</i> , 2015, 41, 1-12.	3.2	31
24	Recoverability viewed as a system property. , 1999, , .		29
25	Wind Turbine Inverter Robust Loop-Shaping Control Subject to Grid Interaction Effects. <i>IEEE Transactions on Sustainable Energy</i> , 2016, 7, 41-50.	5.9	29
26	Fault detection for a diesel engine actuator - A benchmark for FDI. <i>Control Engineering Practice</i> , 1995, 3, 1731-1740.	3.2	28
27	Electrical steering of vehicles - fault-tolerant analysis and design. <i>Microelectronics Reliability</i> , 2006, 46, 1421-1432.	0.9	26
28	Constrained multi-body dynamics for modular underwater robots " Theory and experiments. <i>Ocean Engineering</i> , 2018, 149, 358-372.	1.9	26
29	Traversable terrain classification for outdoor autonomous robots using single 2D laser scans. <i>Integrated Computer-Aided Engineering</i> , 2006, 13, 223-232.	2.5	25
30	Smart Sensor Based Obstacle Detection for High-Speed Unmanned Surface Vehicle. <i>IFAC-PapersOnLine</i> , 2015, 48, 190-197.	0.5	25
31	Passivity-Based Control of Rigid Electrodynamic Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 118-127.	1.6	24
32	Modelling and identification for control of gas bearings. <i>Mechanical Systems and Signal Processing</i> , 2016, 70-71, 1150-1170.	4.4	24
33	Assessing Deep-learning Methods for Object Detection at Sea from LWIR Images. <i>IFAC-PapersOnLine</i> , 2019, 52, 64-71.	0.5	24
34	Position mooring control based on a structural reliability criterion. <i>Structural Safety</i> , 2013, 41, 97-106.	2.8	23
35	Marine diesel engine control to meet emission requirements and maintain maneuverability. <i>Control Engineering Practice</i> , 2018, 76, 12-21.	3.2	22
36	Multivariable identification of ship steering and roll motions. <i>Transactions of the Institute of Measurement and Control</i> , 1997, 19, 63-77.	1.1	21

#	ARTICLE	IF	CITATIONS
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.	1.2	20
39	A unified approach to controllability analysis for hybrid control systems. Nonlinear Analysis: Hybrid Systems, 2007, 1, 212-222.	2.1	20
40	Statistical fault diagnosis of wind turbine drivetrain applied to a 5MW floating wind turbine. Journal of Physics: Conference Series, 2016, 753, 052017.	0.3	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.	3.2	19
43	Mooring system diagnosis and structural reliability control for position moored vessels. Control Engineering Practice, 2015, 36, 12-26.	3.2	18
44	Condition monitoring of sparâ€™type floating wind turbine drivetrain using statistical fault diagnosis. Wind Energy, 2018, 21, 575-589.	1.9	18
45	Fault tolerant position-mooring control for offshore vessels. Ocean Engineering, 2018, 148, 426-441.	1.9	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.	1.8	17
50	Stereo vision with texture learning for fault-tolerant automatic baling. Computers and Electronics in Agriculture, 2011, 75, 159-168.	3.7	16
51	Fault diagnosis for electrical distribution systems using structural analysis. International Journal of Robust and Nonlinear Control, 2014, 24, 1446-1465.	2.1	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.	0.5	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.	1.9	15

#	ARTICLE	IF	CITATIONS
55	Backlash estimation for industrial drive-train systems. IFAC-PapersOnLine, 2017, 50, 3281-3286.	0.5	15
56	Machine learning enhancement of manoeuvring prediction for ship Digital Twin using full-scale recordings. Ocean Engineering, 2022, 257, 111579.	1.9	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.	0.5	14
59	Parametric roll resonance monitoring using signal-based detection. Ocean Engineering, 2015, 109, 355-371.	1.9	14
60	Fault tolerant emergency control to preserve power system stability. Control Engineering Practice, 2016, 53, 151-159.	3.2	14
61	Industrial actuator benchmark for fault detection and isolation. Control Engineering Practice, 1995, 3, 1727-1730.	3.2	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.	1.9	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, .	0.9	12
70	Adaptive feedforward control of exhaust recirculation in large diesel engines. Control Engineering Practice, 2017, 65, 26-35.	3.2	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

#	ARTICLE	IF	CITATIONS
73	Cheap diagnosis using structural modelling and fuzzy-logic-based detection. Control Engineering Practice, 2003, 11, 415-422.	3.2	11
74	Centralised versus Decentralised Control Reconfiguration for Collaborating Underwater Robots. IFAC-PapersOnLine, 2015, 48, 732-739.	0.5	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.	2.0	11
76	Fault Detection for Shipboard Monitoring " 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.	1.7	10
78	Observer backstepping control for variable speed wind turbine. , 2013, , .		10
79	Adaptive and sliding mode friction-resilient machine tool positioning " Cascaded control revisited. Mechanical Systems and Signal Processing, 2019, 132, 35-54.	4.4	10
80	Ice Condition Assessment Using Onboard Accelerometers and Statistical Change Detection. IEEE Journal of Oceanic Engineering, 2020, 45, 898-914.	2.1	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.	0.5	9
90	Model-based plantwide optimization of large scale lignocellulosic bioethanol plants. Biochemical Engineering Journal, 2017, 124, 13-25.	1.8	9

#	ARTICLE	IF	CITATIONS
91	Vision-based Object Tracking in Marine Environments using Features from Neural Network Detections. IFAC-PapersOnLine, 2020, 53, 14517-14523.	0.5	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.	0.5	8
94	Combined Geometric and Neural Network Approach to Generic Fault Diagnosis in Satellite Reaction Wheels. IFAC-PapersOnLine, 2015, 48, 194-199.	0.5	8
95	Adaptive Observer for Nonlinearly Parameterized Hammerstein System With Sensor Delay Applied to Ship Emissions Reduction. IEEE Transactions on Control Systems Technology, 2018, 26, 1508-1515.	3.2	8
96	Comparing Spectral Bands for Object Detection at Sea using Convolutional Neural Networks. Journal of Physics: Conference Series, 2019, 1357, 012036.	0.3	8
97	Satool - A Software Tool for Structural Analysis of Complex Automation Systems 116th IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes, Beijing, PR China, August 30 - September 1, 2006 22 Support 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, , 620-634.		8
98	Autonomous Surface Vessel with Remote Human on the Loop: System Design for STCW Compliance. IFAC-PapersOnLine, 2021, 54, 224-231.	0.5	8
99	Structural analysis - a case study of the Åmer 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.	1.0	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.	0.3	7
104	Stability Boundaries for Offshore Wind Park Distributed Voltage Control. IEEE Transactions on Control Systems Technology, 2017, 25, 1496-1504.	3.2	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

#	ARTICLE	IF	CITATIONS
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€œ 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.	0.5	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 Manoeuvring Behaviours. IFAC-PapersOnLine, 2019, 52, 103-110.	0.5	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€œ 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.	0.5	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.	0.8	5
123	COLREGs-based Situation Awareness for Marine Vessels - a Discrete Event Systems Approach. IFAC-PapersOnLine, 2020, 53, 14501-14508.	0.5	5
124	Risk mitigation by design of autonomous maritime automation systems. Automatisierungstechnik, 2022, 70, 469-481.	0.4	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

#	ARTICLE	IF	CITATIONS
127	Oestrus Detection in Dairy Cows Using Likelihood Ratio Tests. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 658-663.	0.4	4
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.	3.2	4
132	Lipschitz Constrained Neural Networks for Robust Object Detection at Sea. IOP Conference Series: Materials Science and Engineering, 2020, 929, 012023.	0.3	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.	0.5	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.	0.6	3
143	Monitoring of Turnout Ballast Degradation Using Statistical Low-Complexity Behavioral Models. IEEE Transactions on Control Systems Technology, 2021, 29, 278-293.	3.2	3
144	Industrial cost-benefit assessment for fault tolerant control systems. , 1998, , .		3

#	ARTICLE	IF	CITATIONS
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 $\hat{1}/4$ 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 $\hat{\text{A}}$ 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.	3.2	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 $\hat{\text{amp}};\#x2112;\hat{\text{amp}};\text{inf}\hat{\text{gt}};1\hat{\text{lt}};\text{inf}\hat{\text{gt}};$ 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.	0.5	2
160	On-line generation and arming of system protection schemes. , 2016, , .		2
161	Optimal Set-Point Chasing of Position Moored Vessel. , 2010, , .		2
162	Object Detection at Sea Using Ensemble Methods Across Spectral Ranges. IFAC-PapersOnLine, 2021, 54, 1-6.	0.5	2

#	ARTICLE	IF	CITATIONS
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.	2.6	1
171	Open Water Detection for Autonomous In-harbor Navigation Using a Classification Network. IFAC-PapersOnLine, 2021, 54, 30-36.	0.5	1
172	Indirect Measurements of Added-Wave Resistance on an In-Service Container Ship. Lecture Notes in Civil Engineering, 2021, , 115-132.	0.3	1
173	Fault Detection and Isolation in a Marine Liquid Cargo System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 159-164.	0.4	0
174	Nonlinear observer for signal and parameter fault detection in ship propulsion control. , 1999, , 375-397.		0
175	Structural Modeling and Fuzzy-Logic Based Diagnosis of a Ship Propulsion Benchmark. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 367-372.	0.4	0
176	Adaptive Control Mixer Method for Nonlinear Control Reconfiguration: A Case Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 557-562.	0.4	0
177	Special section on manoeuvring control of marine craft. Control Engineering Practice, 2003, 11, 413-414.	3.2	0
178	Stabilization of periodic solutions in a tethered satellite system by damping injection. , 2009, , .		0
179	Discussion on: "Structural Analysis of the Partial State and Input Observability for Structured Linear Systems. Application to Distributed Systems" European Journal of Control, 2009, 15, 519-520.	1.6	0
180	Oestrus Detection in Dairy Cows using Automata-Based Modelling and Diagnosis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1402-1407.	0.4	0

#	ARTICLE	IF	CITATIONS
181	Special Issue “ Adaptive Control and Signal Processing in Marine Systems In Memory of Professor		