

Mogens Blanke

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

3,419
citations

236925

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223800

46
g-index

189
all docs

189
docs citations

189
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	Buoy Light Pattern Classification for Autonomous Ship Navigation Using Recurrent Neural Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9455-9465.	8.0	0
2	Risk mitigation by design of autonomous maritime automation systems. Automatisierungstechnik, 2022, 70, 469-481.	0.8	5
3	Machine learning enhancement of manoeuvring prediction for ship Digital Twin using full-scale recordings. Ocean Engineering, 2022, 257, 111579.	4.3	15
4	Monitoring of Turnout Ballast Degradation Using Statistical Low-Complexity Behavioral Models. IEEE Transactions on Control Systems Technology, 2021, 29, 278-293.	5.2	3
5	Control of Ship Roll Motion. , 2021, , 375-381.		0
6	Object Detection at Sea Using Ensemble Methods Across Spectral Ranges. IFAC-PapersOnLine, 2021, 54, 1-6.	0.9	2
7	Open Water Detection for Autonomous In-harbor Navigation Using a Classification Network. IFAC-PapersOnLine, 2021, 54, 30-36.	0.9	1
8	Autonomous Surface Vessel with Remote Human on the Loop: System Design for STCW Compliance. IFAC-PapersOnLine, 2021, 54, 224-231.	0.9	8
9	Indirect Measurements of Added-Wave Resistance on an In-Service Container Ship. Lecture Notes in Civil Engineering, 2021, , 115-132.	0.4	1
10	Autonomy for Ships: A Sovereign Agents Architecture for Reliability and Safety by Design*. , 2021, , .		3
11	Analysing Cyber-resiliency of a Marine Navigation System using Behavioural Relations. , 2021, , .		2
12	Ice Condition Assessment Using Onboard Accelerometers and Statistical Change Detection. IEEE Journal of Oceanic Engineering, 2020, 45, 898-914.	3.8	10
13	Lipschitz Constrained Neural Networks for Robust Object Detection at Sea. IOP Conference Series: Materials Science and Engineering, 2020, 929, 012023.	0.6	4
14	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
15	Online friction parameter estimation for machine tools. Advanced Control for Applications, 2020, 2, e28.	1.7	5
16	Vision-based Object Tracking in Marine Environments using Features from Neural Network Detections. IFAC-PapersOnLine, 2020, 53, 14517-14523.	0.9	9
17	COLREGs-based Situation Awareness for Marine Vessels - a Discrete Event Systems Approach. IFAC-PapersOnLine, 2020, 53, 14501-14508.	0.9	5
18	Robust Backlash Estimation for Industrial Drive-Train Systemsâ€™ Theory and Validation. IEEE Transactions on Control Systems Technology, 2019, 27, 1847-1861.	5.2	19

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19	Adaptive and sliding mode friction-resilient machine tool positioning – Cascaded control revisited. Mechanical Systems and Signal Processing, 2019, 132, 35-54.	8.0	10
20	Comparing Spectral Bands for Object Detection at Sea using Convolutional Neural Networks. Journal of Physics: Conference Series, 2019, 1357, 012036.	0.4	8
21	Assessing Deep-learning Methods for Object Detection at Sea from LWIR Images. IFAC-PapersOnLine, 2019, 52, 64-71.	0.9	24
22	Parallel Automaton Representation of Marine Crafts™ COLREGs-based Manoeuvring Behaviours. IFAC-PapersOnLine, 2019, 52, 103-110.	0.9	6
23	Marine diesel engine control to meet emission requirements and maintain maneuverability. Control Engineering Practice, 2018, 76, 12-21.	5.5	22
24	Condition monitoring of spar-type floating wind turbine drivetrain using statistical fault diagnosis. Wind Energy, 2018, 21, 575-589.	4.2	18
25	Constrained multi-body dynamics for modular underwater robots – Theory and experiments. Ocean Engineering, 2018, 149, 358-372.	4.3	26
26	Friction-resilient position control for machine tools – Adaptive and sliding-mode methods compared. Control Engineering Practice, 2018, 75, 69-85.	5.5	4
27	On the Joint Distribution of Excursion Duration and Amplitude of a Narrow-Band Gaussian Process. IEEE Access, 2018, 6, 15236-15248.	4.2	1
28	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.	5.2	8
29	Fault tolerant position-mooring control for offshore vessels. Ocean Engineering, 2018, 148, 426-441.	4.3	18
30	Fault Detection and Isolation in Linear Heterogeneous Multi-Agent Networks. IFAC-PapersOnLine, 2018, 51, 784-789.	0.9	3
31	Cooperative Rendezvous and Docking for Underwater Robots using Model Predictive Control and Dual Decomposition. , 2018, , .		6
32	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
33	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
34	Model-based plantwide optimization of large scale lignocellulosic bioethanol plants. Biochemical Engineering Journal, 2017, 124, 13-25.	3.6	9
35	Special Issue – Adaptive Control and Signal Processing in Marine Systems In Memory of Professor		

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37	Stability Boundaries for Offshore Wind Park Distributed Voltage Control. IEEE Transactions on Control Systems Technology, 2017, 25, 1496-1504.	5.2	7
38	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
39	Backlash estimation for industrial drive-train systems. IFAC-PapersOnLine, 2017, 50, 3281-3286.	0.9	15
40	Self-reconfiguration of modular underwater robots using an energy heuristic. , 2017, , .		16
41	On-line generation and arming of system protection schemes. , 2016, , .		2
42	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
43	Validation of multi-body modelling methodology for reconfigurable underwater robots. , 2016, , .		5
44	Combined Geometric and Neural Network Approach to Generic Fault Diagnosis in Satellite Actuators and Sensors. IFAC-PapersOnLine, 2016, 49, 432-437.	0.9	9
45	Adaptive FTC based on control allocation and fault accommodation for satellite reaction wheels. , 2016, , .		5
46	Efficient Modelling Methodology for Reconfigurable Underwater Robots. IFAC-PapersOnLine, 2016, 49, 74-80.	0.9	6
47	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
48	Fault tolerant emergency control to preserve power system stability. Control Engineering Practice, 2016, 53, 151-159.	5.5	14
49	Modelling and identification for control of gas bearings. Mechanical Systems and Signal Processing, 2016, 70-71, 1150-1170.	8.0	24
50	Wind Turbine Inverter Robust Loop-Shaping Control Subject to Grid Interaction Effects. IEEE Transactions on Sustainable Energy, 2016, 7, 41-50.	8.8	29
51	Diagnosis and Fault-Tolerant Control. , 2016, , .		242
52	Diagnosis for Control and Decision Support for Autonomous Vehicles. Studies in Systems, Decision and Control, 2016, , 3-37.	1.0	0
53	Early Detection and Localization of Downhole Incidents in Managed Pressure Drilling. , 2015, , .		3
54	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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55	Short-Range Sensor for Underwater Robot Navigation using Line-lasers and Vision. IFAC-PapersOnLine, 2015, 48, 113-120.	0.9	8
56	Combined Geometric and Neural Network Approach to Generic Fault Diagnosis in Satellite Reaction Wheels. IFAC-PapersOnLine, 2015, 48, 194-199.	0.9	8
57	Diagnosis of Wing Icing Through Lift and Drag Coefficient Change Detection for Small. IFAC-PapersOnLine, 2015, 48, 541-546.	0.9	14
58	Convex relaxation of power dispatch for voltage stability improvement. , 2015, , .		3
59	Nonlinear Adaptive Control of Exhaust Gas Recirculation for Large Diesel Engines. IFAC-PapersOnLine, 2015, 48, 254-260.	0.9	15
60	Dynamic modeling and validation of a biomass hydrothermal pretreatment process—a demonstration scale study. AIChE Journal, 2015, 61, 4235-4250.	3.6	17
61	Early Pack-Off Diagnosis in Drilling Using an Adaptive Observer and Statistical Change Detection. IFAC-PapersOnLine, 2015, 48, 177-182.	0.9	5
62	Parametric roll resonance monitoring using signal-based detection. Ocean Engineering, 2015, 109, 355-371.	4.3	14
63	Centralised versus Decentralised Control Reconfiguration for Collaborating Underwater Robots. IFAC-PapersOnLine, 2015, 48, 732-739.	0.9	11
64	Smart Sensor Based Obstacle Detection for High-Speed Unmanned Surface Vehicle. IFAC-PapersOnLine, 2015, 48, 190-197.	0.9	25
65	Mooring system diagnosis and structural reliability control for position moored vessels. Control Engineering Practice, 2015, 36, 12-26.	5.5	18
66	Fault diagnosis of downhole drilling incidents using adaptive observers and statistical change detection. Journal of Process Control, 2015, 30, 90-103.	3.3	55
67	Drillstring Washout Diagnosis Using Friction Estimation and Statistical Change Detection. IEEE Transactions on Control Systems Technology, 2015, 23, 1886-1900.	5.2	32
68	Experimental Grey Box Model Identification and Control of an Active Gas Bearing. Mechanisms and Machine Science, 2015, , 963-976.	0.5	7
69	Incident detection and isolation in drilling using analytical redundancy relations. Control Engineering Practice, 2015, 41, 1-12.	5.5	31
70	Fault tolerance for industrial actuators in absence of accurate models and hardware redundancy. , 2015, , .		1
71	Fault diagnosis for electrical distribution systems using structural analysis. International Journal of Robust and Nonlinear Control, 2014, 24, 1446-1465.	3.7	16
72	Compositional finite-time stability analysis of nonlinear systems. , 2014, , .		4

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73	Diagnosis of Airspeed Measurement Faults for Unmanned Aerial Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 224-239.	4.7	77
74	Call for Papers: "Adaptive methods and signal processing for marine systems". International Journal of Adaptive Control and Signal Processing, 2014, 28, 200-200.	4.1	0
75	Particle Filter for Fault Diagnosis and Robust Navigation of Underwater Robot. IEEE Transactions on Control Systems Technology, 2014, 22, 2399-2407.	5.2	70
76	\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.	5.2	55
77	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
78	Navigation System Fault Diagnosis for Underwater Vehicle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9654-9660.	0.4	9
79	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
80	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
81	Position mooring control based on a structural reliability criterion. Structural Safety, 2013, 41, 97-106.	5.3	23
82	Control surface fault diagnosis with specified detection probability " Real event experiences. , 2013, , .		5
83	Early Detection of Parametric Roll Resonance on Container Ships. IEEE Transactions on Control Systems Technology, 2013, 21, 489-503.	5.2	42
84	Towards self-tuning residual generators for UAV control surface fault diagnosis. , 2013, , .		7
85	Observer backstepping control for variable speed wind turbine. , 2013, , .		10
86	Modelling and ∞ adaptive control of temperature in biomass pretreatment. , 2013, , .		2
87	Exhaust Gas Recirculation Control for Large Diesel Engines " Achievable Performance with SISO Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 346-351.	0.4	6
88	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
89	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
90	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

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91	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
92	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
93	Cascade Controller Including Backstepping for Hydraulic-Mechanical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 310-315.	0.4	2
94	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
95	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
96	Addressing the Security of a Future Sustainable Power System: The Danish SOSPO Project. , 2012, , .		6
97	Detection of Parametric Roll for Ships. , 2012, , 17-43.		4
98	Ship roll damping control. Annual Reviews in Control, 2012, 36, 129-147.	7.9	97
99	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
100	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
101	Stereo vision with texture learning for fault-tolerant automatic baling. Computers and Electronics in Agriculture, 2011, 75, 159-168.	7.7	16
102	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
103	Modeling of tethered satellite formations using graph theory. Acta Astronautica, 2011, 69, 470-479.	3.2	10
104	Stochastic automata for outdoor semantic mapping using optimised signal quantisation. Control Engineering Practice, 2011, 19, 223-233.	5.5	2
105	Fault diagnosis for nonlinear hydraulic-mechanical drilling pipe handling system. , 2011, , .		1
106	Vertical Position Control for Top Tensioned Riser With Active Heave Compensator. , 2011, , .		1
107	Passivity-Based Control of Rigid Electrodynamic Tether. Journal of Guidance, Control, and Dynamics, 2011, 34, 118-127.	2.8	24
108	Fault Isolation for Shipboard Decision Support. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 413-418.	0.4	3

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109	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
110	Active sensor configuration validation for refrigeration systems. , 2010, , .		2
111	Fault Isolation and Quality Assessment for Shipboard Monitoring. , 2010, , .		3
112	Optimal Set-Point Chasing of Position Moored Vessel. , 2010, , .		2
113	Stabilization of periodic solutions in a tethered satellite system by damping injection. , 2009, , .		0
114	Stabilisation of parametric roll resonance by combined speed and fin stabiliser control. , 2009, , .		12
115	Robust adaptive backstepping control design for a Nonlinear Hydraulic-Mechanical System. , 2009, , .		7
116	Control by damping injection of electrodynamic tether system in an inclined orbit. , 2009, , .		3
117	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.	2.6	0
118	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
119	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
120	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
121	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
122	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
123	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
124	Stability Analysis of the Parametric Roll Resonance Under Non-Constant Ship Speed. , 2008, , .		5
125	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
126	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

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127	Robust control mixer method for reconfigurable control design using model matching. IET Control Theory and Applications, 2007, 1, 349-357.	2.1	20
128	Nonlinear control of electrodynamic tether in equatorial or somewhat inclined orbits. , 2007, , .		3
129	Structural Design of Systems with Safe Behavior Under Single and Multiple Faults. , 2007, , 474-479.		4
130	A unified approach to controllability analysis for hybrid control systems. Nonlinear Analysis: Hybrid Systems, 2007, 1, 212-222.	3.5	20
131	Nonlinear Container Ship Model for the Study of Parametric Roll Resonance. Modeling, Identification and Control, 2007, 28, 87-103.	1.1	42
132	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
133	Traversable terrain classification for outdoor autonomous robots using single 2D laser scans. Integrated Computer-Aided Engineering, 2006, 13, 223-232.	4.6	25
134	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
135	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
136	Spectral Signatures of Surface Materials in Pig Buildings. Biosystems Engineering, 2006, 94, 495-504.	4.3	12
137	Electrical steering of vehicles - fault-tolerant analysis and design. Microelectronics Reliability, 2006, 46, 1421-1432.	1.7	26
138	Sensor fault masking of a ship propulsion system. Control Engineering Practice, 2006, 14, 1337-1345.	5.5	44
139	Fault-tolerant Actuator System for Electrical Steering of Vehicles. , 2006, , .		9
140	Design of a Vision-Based Sensor for Autonomous Pig House Cleaning. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	7
141	Cheap diagnosis using structural modelling and fuzzy-logic-based detection. Control Engineering Practice, 2003, 11, 415-422.	5.5	11
142	Special section on manoeuvring control of marine craft. Control Engineering Practice, 2003, 11, 413-414.	5.5	0
143	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
144	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

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145	Introduction to diagnosis and fault-tolerant control. , 2003, , 1-26.		6
146	Application examples. , 2003, , 439-526.		0
147	STRUCTURAL ANALYSIS FOR DIAGNOSIS - THE MATCHING PROBLEM REVISITED. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 365-370.	0.4	2
148	Concepts and methods in fault-tolerant control. , 2001, , .		176
149	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
150	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
151	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
152	Rudder Roll Damping in Coastal Region Sea Conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 39-44.	0.4	11
153	Dynamic Model for Thrust Generation of Marine Propellers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 353-358.	0.4	46
154	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
155	What is Fault-Tolerant Control?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 41-52.	0.4	93
156	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
157	The robust control mixer module method for control reconfiguration. , 2000, , .		17
158	Nonlinear output feedback control of underwater vehicle propellers using feedback from estimated axial flow velocity. IEEE Journal of Oceanic Engineering, 2000, 25, 241-255.	3.8	101
159	Recoverability viewed as a system property. , 1999, , .		29
160	A ship propulsion system as a benchmark for fault-tolerant control. Control Engineering Practice, 1999, 7, 227-239.	5.5	118
161	Fully magnetic attitude control for spacecraft subject to gravity gradient. Automatica, 1999, 35, 1201-1214.	5.0	165
162	Rudder Roll Damping Controller with a Wave Observer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8237-8242.	0.4	1

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163	Optimized Experiment Design for Marine Systems Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8249-8254.	0.4	3
164	Nonlinear observer for signal and parameter fault detection in ship propulsion control. , 1999, , 375-397.		0
165	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
166	Residual generation for the ship benchmark using structural approach. , 1998, , .		19
167	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
168	Reconfigurable Control of a Ship Propulsion Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 47-54.	0.4	2
169	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
170	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
171	Industrial cost-benefit assessment for fault tolerant control systems. , 1998, , .		3
172	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
173	Multivariable identification of ship steering and roll motions. Transactions of the Institute of Measurement and Control, 1997, 19, 63-77.	1.7	21
174	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
175	A Robust Roll Damping Controller. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 89-93.	0.4	9
176	Fault-tolerant control systems – A holistic view. Control Engineering Practice, 1997, 5, 693-702.	5.5	253
177	Uncertainty Models for Rudder-Roll Damping Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 7981-7986.	0.4	6
178	Consistent design of dependable control systems. Control Engineering Practice, 1996, 4, 1305-1312.	5.5	42
179	Industrial actuator benchmark for fault detection and isolation. Control Engineering Practice, 1995, 3, 1727-1730.	5.5	13
180	Fault detection for a diesel engine actuator - A benchmark for FDI. Control Engineering Practice, 1995, 3, 1731-1740.	5.5	28

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181	Roll damping by rudder control-a new H_{∞} approach. , 1994, , .		17
182	Identification of a class of nonlinear state-space models using RPE techniques. IEEE Transactions on Automatic Control, 1989, 34, 312-316.	5.7	51
183	REQUIREMENTS OF ADAPTIVE TECHNIQUES FOR ENHANCED CONTROL OF LARGE DIESEL ENGINES. , 1987, , 197-202.		1
184	Drag-free motion control of satellite for high-precision gravity field mapping. , 0, , .		11
185	Combining a Novel Computer Vision Sensor with a Cleaning Robot to Achieve Autonomous Pig House Cleaning. , 0, , .		8
186	Diagnosis and Fault-Tolerant Control for Ship Station Keeping. , 0, , .		21