

Mazen Alamir

List of Publications by Year in descending order

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178
papers

1,766
citations

430874

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31
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181
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181
docs citations

181
times ranked

1332
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting a fixed-point hierarchical control design for cryogenic refrigerators under constraints, nonlinearities and real-time considerations. European Journal of Control, 2022, 63, 82-96.	2.6	3
2	Partial Extended Observability Certification and Optimal Design of Moving-Horizon Estimators. IEEE Transactions on Automatic Control, 2022, 67, 3663-3669.	5.7	2
3	Learning against uncertainty in control engineering. Annual Reviews in Control, 2022, 53, 19-29.	7.9	5
4	Investigation of fast-NMPC and deep learning approach in fixed-point-based hierarchical control. , 2022, , .		0
5	Using iterative residual-based method for modular privacy-preserving requirement in hierarchical control framework. , 2022, , .		0
6	Generalized Integrator-Extended State Observer With Applications to Grid-Connected Converters in the Presence of Disturbances. IEEE Transactions on Control Systems Technology, 2021, 29, 744-755.	5.2	61
7	Observer-Based Current Controller for Virtual Synchronous Generator in Presence of Unknown and Unpredictable Loads. IEEE Transactions on Power Electronics, 2021, 36, 1708-1716.	7.9	6
8	Behavioral cloning for fatigue-oriented wind turbine optimal predictive control. IFAC-PapersOnLine, 2021, 54, 590-595.	0.9	0
9	The Ockham's razor applied to COVID-19 model fitting French data. Annual Reviews in Control, 2021, 51, 500-510.	7.9	6
10	A phase-locked loop using ESO-based loop filter for grid-connected converter: performance analysis. Control Theory and Technology, 2021, 19, 49-63.	1.6	5
11	A new formulation of Economic Model Predictive Control without terminal constraint. Automatica, 2021, 125, 109420.	5.0	2
12	Data-driven fatigue-oriented MPC applied to wind turbines Individual Pitch Control. Renewable Energy, 2021, 170, 1008-1019.	8.9	7
13	Robust domain of attraction estimation for a tumor growth model. Applied Mathematics and Computation, 2021, 410, 126482.	2.2	2
14	Robust Optimal Scheduling of Combined Chemo- and Immunotherapy: Considerations on Chemotherapy Detrimental Effects. , 2020, , .		4
15	Non quadratic smooth model of fatigue for optimal fatigue-oriented individual pitch control. Journal of Physics: Conference Series, 2020, 1618, 022004.	0.4	3
16	Model Predictive Control for Helium Compression Station: Simulation and experimental Results. IOP Conference Series: Materials Science and Engineering, 2020, 755, 012075.	0.6	0
17	Reduced-Scale Models of Variable Speed Hydro-Electric Plants for Power Hardware-in-the-Loop Real-Time Simulations. Energies, 2020, 13, 5764.	3.1	7
18	On the Use of Supervised Clustering in Stochastic NMPC Design. IEEE Transactions on Automatic Control, 2020, 65, 5392-5398.	5.7	2

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19	Generic modeling and speed control approach of hydraulic power plants: Start-up operating mode. Renewable Energy, 2020, 160, 1-15.	8.9	3
20	A fatigue-oriented cost function for optimal individual pitch control of wind turbines. IFAC-PapersOnLine, 2020, 53, 12632-12637.	0.9	3
21	GPU based Stochastic Parameterized NMPC scheme for Control of Semi-Active Suspension System for Half Car Vehicle. IFAC-PapersOnLine, 2020, 53, 14369-14374.	0.9	0
22	GPU-Based Parameterized NMPC Scheme for Control of Half Car Vehicle With Semi-Active Suspension System. , 2019, 3, 631-636.		11
23	A Robust LESO-based DC-Link Voltage Controller for Variable Speed Hydro-Electric Plants. , 2019, , .		6
24	Experimental Implementation of Model Predictive Control Scheme for Control of Semi-active Suspension System. IFAC-PapersOnLine, 2019, 52, 261-266.	0.9	4
25	Optimal Management of Variable Speed Pumped-Storage Hydro-Electric Plant: Cases Study. , 2019, , .		3
26	LADRC applied to variable speed micro-hydro plants: Experimental validation. Control Engineering Practice, 2019, 85, 290-298.	5.5	40
27	An Enhanced Phase-Locked Loop with Extended State Observer. , 2019, , .		6
28	Robust Optimal Control-based Design of Combined Chemo- and Immunotherapy Delivery Profiles. IFAC-PapersOnLine, 2019, 52, 76-81.	0.9	5
29	Iterative method for estimating the robust domains of attraction of non-linear systems: Application to cancer chemotherapy model with parametric uncertainties. European Journal of Control, 2019, 47, 64-73.	2.6	7
30	Electricity Grid Connection of a Tidal Farm: An Active Power Control Framework Constrained to Grid Code Requirements. IEEE Transactions on Sustainable Energy, 2018, 9, 1948-1956.	8.8	11
31	Probabilistic Energy Management Strategy for EV Charging Stations Using Randomized Algorithms. IEEE Transactions on Control Systems Technology, 2018, 26, 1099-1106.	5.2	40
32	Stability proof for nonlinear MPC design using monotonically increasing weighting profiles without terminal constraints. Automatica, 2018, 87, 455-459.	5.0	23
33	Feedback law with probabilistic certification for Propofol-based control of BIS during anesthesia. International Journal of Robust and Nonlinear Control, 2018, 28, 6254-6266.	3.7	8
34	A Parameterized NMPC Scheme for Embedded Control of Semi-active Suspension System. IFAC-PapersOnLine, 2018, 51, 301-306.	0.9	10
35	Numerical investigation regarding an MPC scheme with non uniformly weighted stage cost without terminal constraints: Application to the control of a real-life cryogenic plant. IFAC-PapersOnLine, 2018, 51, 418-423.	0.9	0
36	Robust Output Feedback Controller For a Class of Nonlinear Systems with Actuator Dynamics. IFAC-PapersOnLine, 2018, 51, 275-280.	0.9	2

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37	Model Predictive Control and Parameter Estimation applied to Gene Expression in Yeast. IFAC-PapersOnLine, 2018, 51, 484-489.	0.9	1
38	Variable speed micro-hydro power plant: Modelling, losses analysis, and experiment validation. , 2018, , .		16
39	Useful redundancy in parameter and time delay estimation for continuous-time models. Automatica, 2018, 95, 455-462.	5.0	15
40	A Method for the Energy Optimization of a Multisource Elevator. Lecture Notes in Electrical Engineering, 2018, , 3-29.	0.4	0
41	Nonlinear model-based control for minimum-time start of hydraulic turbines. European Journal of Control, 2017, 34, 24-30.	2.6	11
42	The biomechanical model of the long finger extensor mechanism and its parametric identification. Journal of Biomechanics, 2017, 58, 232-236.	2.1	9
43	Fixed-point based hierarchical MPC control design for a cryogenic refrigerator. Journal of Process Control, 2017, 58, 117-130.	3.3	10
44	Experimental investigation of control updating period monitoring in industrial PLC-based fast MPC: Application to the constrained control of a cryogenic refrigerator. Control Theory and Technology, 2017, 15, 92-108.	1.6	6
45	Contraction-based nonlinear model predictive control formulation without stability-related terminal constraints. Automatica, 2017, 75, 288-292.	5.0	14
46	A State-Dependent Updating Period for Certified Real-Time Model Predictive Control. IEEE Transactions on Automatic Control, 2017, 62, 2464-2469.	5.7	4
47	A review on ADRC based PMSM control designs. , 2017, , .		55
48	An anti-disturbance ADRC based MPPT for variable speed micro-hydropower plant. , 2017, , .		10
49	On the stabilization of fixed-point iterations arising in hierarchical control design. IFAC-PapersOnLine, 2017, 50, 7211-7216.	0.9	0
50	On Higher Order Dynamics in the Fundamental Equation of Frequency in Islanded Microgrids. IFAC-PapersOnLine, 2017, 50, 6636-6641.	0.9	3
51	Output Feedback Control of a Class of Uncertain Systems Under Control-derivative dependent disturbances. IFAC-PapersOnLine, 2017, 50, 9973-9978.	0.9	3
52	Control of Warm Compression Stations Using Model Predictive Control: Simulation and Experimental Results. IOP Conference Series: Materials Science and Engineering, 2017, 171, 012135.	0.6	4
53	Certification Under Uncertainties of Control Methods for Multisource Elevators. Advances in Intelligent Systems and Computing, 2017, , 154-164.	0.6	1
54	Battery sizing for PV power plants under regulations using randomized algorithms. Renewable Energy, 2017, 113, 596-607.	8.9	21

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55	Domain of attraction estimation of cancer chemotherapy model affected by state proportional uncertainty. , 2016, , .		0
56	Observer-based efficiency enhancement in cell-cycle specific therapies. , 2016, , .		0
57	Constrained model based control for minimum-time start of hydraulic turbines. IOP Conference Series: Earth and Environmental Science, 2016, 49, 052009.	0.3	1
58	Explicit Model Predictive Control via Nonlinear Piecewise Approximations**This work was sponsored within the project CRYOGREEN, financed by the French National Research Agency (ANR).. IFAC-PapersOnLine, 2016, 49, 259-264.	0.9	1
59	Nonlinear Constrained Torque Control For Gasoline Engines. IFAC-PapersOnLine, 2016, 49, 784-789.	0.9	6
60	Assessment of the impact of frequency containment control and synthetic inertia on intermittent energies generators integration. , 2016, , .		10
61	Active power control under Grid Code constraints for a tidal farm. , 2016, , .		3
62	The Sourcing Problem - Energy Optimization of a Multisource Elevator. , 2016, , .		1
63	Hydraulic-turbine start-up with “S-shaped” characteristic. , 2015, , .		5
64	A Simulink Library of cryogenic components to automatically generate control schemes for large Cryorefrigerators. IOP Conference Series: Materials Science and Engineering, 2015, 101, 012171.	0.6	10
65	Scalability study for a hierarchical NMPC scheme for resource sharing problems. , 2015, , .		3
66	Invariance-based analysis of cancer chemotherapy. , 2015, , .		3
67	Distributed cooperative control framework of a cryogenic system. , 2015, , .		0
68	Reduced model for 2D tumor growth and tumor induced angiogenesis. , 2015, , .		1
69	From Certification of Algorithms To Certified MPC: The Missing Links**The author is grateful to Prof. M. Morari for the fruitful discussion regarding this topic during the ECC2014 conference. This discussion was the starting point for the investigation proposed in this paper.. IFAC-PapersOnLine, 2015, 48, 65-72.	0.9	2
70	Nonlinear dynamic model identification and MPC control of an Organic Rankine Cycle (ORC) based solar thermal power plant. , 2015, , .		4
71	Multisource elevator energy optimization and control. , 2015, , .		7
72	On probabilistic certification of combined cancer therapies using strongly uncertain models. Journal of Theoretical Biology, 2015, 384, 59-69.	1.7	18

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73	Model based multivariable controller for large scale compression stations. Design and experimental validation on the LHC 18KW cryorefrigerator. AIP Conference Proceedings, 2014, , .	0.4	6
74	Fast NMPC: A reality-steered paradigm: Key properties of fast NMPC algorithms. , 2014, , .		7
75	Identification of a class of nonlinear dynamic relationships: Application to the identification of engine emission models. International Journal of Engine Research, 2014, 15, 898-905.	2.3	2
76	Comparison of a primal and a dual decomposition for distributed MPC in smart districts. , 2014, , .		17
77	Nonlinear observer of the thermal loads applied to the helium bath of a cryogenic Joule-Thompson cycle. Journal of Process Control, 2014, 24, 73-80.	3.3	9
78	Robust feedback design for combined therapy of cancer. Optimal Control Applications and Methods, 2014, 35, 77-88.	2.1	22
79	Constrained control framework for a stand-alone hybrid (Stirling engine)/supercapacitor power generation system. Applied Energy, 2014, 118, 192-206.	10.1	17
80	Combination of Model-based Observer and Support Vector Machines for Fault Detection of Wind Turbines. International Journal of Automation and Computing, 2014, 11, 274-287.	4.5	45
81	Generic model identification framework for thermodynamic engines for use in hybrid power stations control and simulation. Journal of Process Control, 2014, 24, 966-974.	3.3	3
82	A distributed cooperative control scheme with optimal priority assignment and stability assessment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11703-11708.	0.4	1
83	Physical control oriented model of large scale refrigerators to synthesize advanced control schemes. Design, validation, and first control results. , 2014, , .		1
84	On Adaptive Measurement Inclusion Rate In Real-Time Moving-Horizon Observers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 552-557.	0.4	1
85	A New Identification Framework for Off-Line Computation of Moving-Horizon Observers. IEEE Transactions on Automatic Control, 2013, 58, 1877-1882.	5.7	6
86	Estimation of energy saving thanks to a reduced-model-based approach: Example of bread baking by jet impingement. Energy, 2013, 53, 74-82.	8.8	9
87	Stability Analysis and Design Procedure of Multiloop Linear LDO Regulators via State Matrix Decomposition. IEEE Transactions on Power Electronics, 2013, 28, 5352-5363.	7.9	17
88	Energy production control of an experimental kite system in presence of wind gusts. , 2013, , .		5
89	Control strategy for an off-grid hybrid stirling engine/supercapacitor power generation system. , 2013, , .		4
90	Further investigations on energy saving by jet impingement in bread baking process * *This work was supported in part by the BRAISE project funded by French National Research Agency (ANR) through the program ALIA.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 701-706.	0.4	3

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91	Nonlinear Observer of the Thermal Loads Applied on the Helium Bath of a Cryogenic Joule-Thompson Cycle Observer Design and Experimental Validation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 713-718.	0.4	1
92	Monitoring control updating period in fast gradient based NMPC. , 2013, , .		11
93	Bootstrap current optimization in Tokamaks using sum-of-squares polynomials. , 2012, , .		12
94	Model predictive control for energy management in buildings Part 2: Distributed Model Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 226-231.	0.4	11
95	Model predictive control for energy management in buildings Part 1: Zone Model Predictive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 21-26.	0.4	5
96	A framework for real-time implementation of low-dimensional parameterized NMPC. Automatica, 2012, 48, 198-204.	5.0	16
97	On the use of partial explicit inversion maps in moving horizon observers. Application to the estimation problem in E.Coli culture. Journal Europeen Des Systemes Automatisees, 2012, 46, 167-181.	0.4	0
98	Estimation of temperature field during microwave tempering with unknown dielectric properties using CLPP: A generic user-friendly software sensor. Innovative Food Science and Emerging Technologies, 2011, 12, 288-297.	5.6	5
99	Robust Estimation of temperature field during microwave tempering under unknown dielectric properties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14001-14006.	0.4	0
100	Unified NMPC for Multi-Variable Control in Smart Buildings. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11024-11029.	0.4	4
101	A Novel Distributed NMPC Control Structure For Partially Cooperative Systems under limited information sharing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9127-9132.	0.4	2
102	Synaptic plasticity based model for epileptic seizures. Automatica, 2011, 47, 1183-1192.	5.0	6
103	Multivariable control of the polymer molecular weight in emulsion polymerization processes. Journal of Process Control, 2011, 21, 861-873.	3.3	15
104	Multivariable control architecture for a cryogenic test facility under high pulsed loads: Model derivation, control design and experimental validation. Journal of Process Control, 2011, 21, 1030-1039.	3.3	16
105	Reducing computational load in Moving-Horizon Observers using partial explicit map inversion. , 2011, , .		3
106	Distributed constrained Model Predictive Control based on bundle method for building energy management. , 2011, , .		25
107	A Real-Time Implementable NMPC Output Feedback for a Diesel Engine Air Path. Oil and Gas Science and Technology, 2011, 66, 613-625.	1.4	1
108	CLPP: A User-Friendly Platform for Nonlinear Robust Observer Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 182-187.	0.4	3

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109	Measurement based modeling and control of bimodal particle size distribution in batch emulsion polymerization. <i>AIChE Journal</i> , 2010, 56, 2122-2136.	3.6	6
110	A new control architecture for multi-beam fringe tracker. , 2010, , .		0
111	The planar optics phase sensor: a study for the VLTI 2nd generation fringe tracker. , 2010, , .		1
112	On the Use of Parameterized NMPC in Real-time Automotive Control. <i>Lecture Notes in Control and Information Sciences</i> , 2010, , 139-149.	1.0	3
113	On solving inverse problems for electric fish like robots. , 2010, , .		4
114	Experimental evaluation of a hybrid MPC strategy for vehicle start-up with an Automated Manual Transmission. , 2009, , .		8
115	Fast NMPC scheme for a Diesel engine air path. , 2009, , .		4
116	Model-free feedback design for a mixed cancer therapy. <i>Biotechnology Progress</i> , 2009, 25, 690-700.	2.6	17
117	Mixed immunotherapy and chemotherapy of tumors: Feedback design and model updating schemes. <i>Journal of Theoretical Biology</i> , 2009, 258, 444-454.	1.7	51
118	Redundancy versus multiple starting points in nonlinear system related inverse problems. <i>Automatica</i> , 2009, 45, 1052-1057.	5.0	6
119	Reduced mean model for controlling a three-dimensional eel-like robot. , 2009, , .		0
120	A phenomenological model for torque transmissibility during dry clutch engagement. , 2009, , .		5
121	A Framework for Monitoring Control Updating Period in Real-Time NMPC Schemes. <i>Lecture Notes in Control and Information Sciences</i> , 2009, , 433-445.	1.0	10
122	Model Predictive Control. <i>International Journal of Robust and Nonlinear Control</i> , 2008, 18, 799-799.	3.7	5
123	Swing-up and stabilization of a Twin-Pendulum under state and control constraints by a fast NMPC scheme. <i>Automatica</i> , 2008, 44, 1319-1324.	5.0	29
124	Multi-variable constrained control approach for a three-dimensional eel-like robot. , 2008, , .		4
125	On useful redundancy in experiment design for nonlinear system identification. , 2008, , .		1
126	Unified MPC strategy for idle-speed control, vehicle start-up and gearing applied to an Automated Manual Transmission. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008, 41, 7079-7085.	0.4	19

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127	Motion Control of a Three-Dimensional Eel-like Robot Without Pectoral Fins. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 750-755.	0.4	6
128	On Useful Redundancy in Dynamic Inverse Problems Related Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 976-981.	0.4	4
129	On the use of non-linear receding-horizon observers in batch terpolymerisation processes. International Journal of Modelling, Identification and Control, 2008, 4, 79.	0.2	1
130	ON THE USE OF NONLINEAR RECEDING-HORIZON OBSERVERS IN BATCH TERPOLYMERIZATION PROCESSES WITH PARTIALLY UNMODELLED DYNAMICS: FORMULATION AND EXPERIMENTAL VALIDATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 745-750.	0.4	3
131	Constrained Nonlinear Predictive Control for Maximizing Production in Polymerization Processes. IEEE Transactions on Control Systems Technology, 2007, 15, 315-323.	5.2	12
132	Further Results on the Controllability of a Two-Wheeled Satellite. Journal of Guidance, Control, and Dynamics, 2007, 30, 611-619.	2.8	31
133	Feedback design for 3D movement of an Eel-like robot. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	14
134	Remote Stabilization Via Communication Networks With a Distributed Control Law. IEEE Transactions on Automatic Control, 2007, 52, 1480-1485.	5.7	74
135	State-constrained optimal control applied to cell-cycle-specific cancer chemotherapy. Optimal Control Applications and Methods, 2007, 28, 175-190.	2.1	15
136	On the reachability in any fixed time for positive continuous-time linear systems. Systems and Control Letters, 2007, 56, 272-276.	2.3	26
137	Nonlinear Moving Horizon Observers: Theory and Real-Time Implementation. , 2007, , 139-179.		10
138	Voltage Collapse Avoidance in Power Systems: A Receding Horizon Approach. Intelligent Automation and Soft Computing, 2006, 12, 9-22.	2.1	12
139	A sampled spur free fractional frequency synthesizer and its noise analysis. Solid-State Circuits Conference, 2008 ESSCIRC 2008 34th European, 2006, , .	0.0	0
140	A benchmark for optimal control problem solvers for hybrid nonlinear systems. Automatica, 2006, 42, 1593-1598.	5.0	6
141	A flexible nonlinear model predictive control scheme for quality/performance handling in nonlinear SMB chromatography. Journal of Process Control, 2006, 16, 333-344.	3.3	18
142	A hybrid nonlinear state observer for concentration profiles reconstruction in nonlinear simulated moving bed. Journal of Process Control, 2006, 16, 345-353.	3.3	8
143	Multi-step limit cycle generation for Rabbit's walking based on a nonlinear low dimensional predictive control scheme. Mechatronics, 2006, 16, 259-277.	3.3	9
144	Re-injecting the Structure in NMPC Schemes Application to the Constrained Stabilization of a Snakeboard. , 2006, , 1-20.		0

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145	A NONLINEAR OBSERVER FOR CONCENTRATION PROFILES IN SIMULATED MOVING BED. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 31-36.	0.4	0
146	Limit cycle generation for a class of non-linear systems with jumps using a low dimensional predictive control. International Journal of Control, 2005, 78, 1206-1217.	1.9	4
147	New path-generation based receding-horizon formulation for constrained stabilization of nonlinear systems. Automatica, 2004, 40, 647-652.	5.0	2
148	An efficient algorithm to solve optimal control problems for nonlinear switched hybrid systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 417-422.	0.4	9
149	Title is missing!. Optimization and Engineering, 2003, 4, 215-230.	2.4	4
150	Constrained Minimum-Time-Oriented Feedback Control for the Stabilization of Nonholonomic Systems in Chained Form. Journal of Optimization Theory and Applications, 2003, 118, 229-244.	1.5	18
151	Discontinuous exponential stabilization of chained form systems. Automatica, 2003, 39, 343-348.	5.0	99
152	Nonlinear receding-horizon state estimation for dispersive adsorption columns with nonlinear isotherm. Journal of Process Control, 2003, 13, 517-523.	3.3	20
153	Discussion on: "An Optimal Control Approach for Hybrid Systems" European Journal of Control, 2003, 9, 459-460.	2.6	0
154	Receding Horizon Stabilization of a Rigid Spacecraft With Two Actuators. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2003, 125, 489-491.	1.6	3
155	Discussion on: An Optimal Control Approach for Hybrid Systems. European Journal of Control, 2003, 9, 459-462.	2.6	4
156	TOWARDS THE CONSTRUCTION OF A ROBUST OPTIMAL OBSERVER. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 359-364.	0.4	1
157	Robust stabilization of non-linear systems by discontinuous dynamic state feedback. International Journal of Control, 2002, 75, 421-433.	1.9	1
158	Sensitivity analysis in simultaneous state/parameter estimation for induction motors. International Journal of Control, 2002, 75, 753-758.	1.9	8
159	Further results on nonlinear receding-horizon observers. IEEE Transactions on Automatic Control, 2002, 47, 1184-1188.	5.7	17
160	Optimal control with harmonic rejection of induction machine. , 2001, , 113-121.		2
161	Fast Generation of Attractive Trajectories for a Deficient Satellite. Application to Feedback Control Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 693-698.	0.4	0
162	Nonlinear receding horizon sub-optimal guidance law for the minimum interception time problem. Control Engineering Practice, 2001, 9, 107-116.	5.5	8

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163	Solutions of nonlinear optimal and robust control problems via a mixed collocation/DAE's based algorithm. Automatica, 2001, 37, 1109-1115.	5.0	7
164	Robust constrained control algorithm for general batch processes. International Journal of Control, 1999, 72, 1271-1287.	1.9	23
165	Numerical Stabilisation of Non-linear Systems: Exact Theory and Approximate Numerical Implementation. European Journal of Control, 1999, 5, 87-97.	2.6	18
166	Optimization based non-linear observers revisited. International Journal of Control, 1999, 72, 1204-1217.	1.9	63
167	From Open-Loop Trajectories to Stabilizing State Feedback -Application to a CSTR-. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 769-774.	0.4	4
168	Numerical Stabilization of a Rigid Spacecraft with Two Actuators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 73-78.	0.4	2
169	Globally Stabilising Discontinuous Feedback Law for a Class of Nonlinear Systems. European Journal of Control, 1996, 2, 44-50.	2.6	9
170	Stability of a truncated infinite constrained receding horizon scheme: the general discrete nonlinear case. Automatica, 1995, 31, 1353-1356.	5.0	71
171	On the stability of receding horizon control of nonlinear discrete-time systems. Systems and Control Letters, 1994, 23, 291-296.	2.3	36
172	Further results on nonlinear receding horizon observers. , 0, , .		0
173	On Complexity Reduction of Voltage Stabilization MPC Schemes by Partial Explicit Feedbacks. , 0, , .		4
174	Constrained Minimum-time-oriented Stabilization of Extended Chained Form Systems. , 0, , .		1
175	Diagnosis and on-line parametric estimation of simulated moving bed. , 0, , .		5
176	A General NMPC Framework for a Diesel Engine Air Path. International Journal of Control, 0, , 1-21.	1.9	12
177	Approximate Explicit Model Predictive Control via Piecewise Nonlinear System Identification. SSRN Electronic Journal, 0, , .	0.4	0
178	Probabilistically certified region of attraction of a tumor growth model with combined chemoand immunotherapy. International Journal of Robust and Nonlinear Control, 0, , .	3.7	1