

Graham C Goodwin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

251
papers

3,752
citations

30
h-index

54
g-index

282
ext. papers

4,529
ext. citations

3.3
avg, IF

5.47
L-index

#	Paper	IF	Citations
251	Decentralised Droopless Control of Islanded Radial AC Microgrids without Explicit Communication. <i>IEEE Open Journal of Industry Applications</i> , 2022 , 1-1	4.7	0
250	Robust Model Predictive Control for AFE-Inverter Drives with Common Mode Voltage Elimination. <i>IEEE Open Journal of Industry Applications</i> , 2022 , 1-1	4.7	
249	Matrix Converters With Input Resonance Suppression for Electric Haulage Vehicles. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 5527-5536	4.3	0
248	Model Error Modelling using a Stochastic Embedding approach with Gaussian Mixture Models for FIR systems. <i>IFAC-PapersOnLine</i> , 2020 , 53, 845-850	0.7	4
247	A systematic stochastic design strategy achieving an optimal tradeoff between peak BGL and probability of hypoglycaemic events for individuals having type 1 diabetes mellitus. <i>Biomedical Signal Processing and Control</i> , 2020 , 57, 101813	4.9	5
246	Fundamental performance properties of a general class of observers for linear systems having predictable disturbances. <i>Automatica</i> , 2020 , 113, 108717	5.7	1
245	Feedback and feedforward control in the context of model predictive control with application to the management of type 1 diabetes mellitus. <i>Control Engineering Practice</i> , 2019 , 89, 228-237	3.9	1
244	A performance bound for optimal insulin infusion in individuals with Type 1 diabetes ingesting a meal with slow postprandial response. <i>Automatica</i> , 2019 , 103, 531-537	5.7	5
243	Stochastic model predictive control: Insights and performance comparisons for linear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 5038-5057	3.6	5
242	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2945-2955	8.9	6
241	Control Limitations in Models of T1DM and the Robustness of Optimal Insulin Delivery. <i>Journal of Diabetes Science and Technology</i> , 2018 , 12, 926-936	4.1	3
240	A Critique of Observers Used in the Context of Feedback Control. <i>Lecture Notes in Computer Science</i> , 2018 , 1-24	0.9	1
239	Inverter Control and Implementation Options for a Novel AC Microgrid 2018 ,		1
238	Computationally Efficient Model Predictive Control for AC-DC-AC Converter with Common Mode Voltage Elimination 2018 ,		5
237	Common Mode Voltage Elimination in Industrial AC-AC Converters Based on Model Predictive Control 2018 ,		2
236	Computationally Efficient Model Predictive Control of a Four-Leg Inverter for Common Mode Voltage Elimination 2018 ,		2
235	A fundamental control performance limit for a class of positive nonlinear systems. <i>Automatica</i> , 2018 , 95, 14-22	5.7	10

234	A modified relay autotuner for systems having large broadband disturbances. <i>Automatica</i> , 2018 , 94, 1785-185	3
233	. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3972-3985	5.9 6
232	Characterisation of Optimal Responses to Pulse Inputs in the Bergman Minimal Model. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15163-15168	0.7 1
231	A simplified model predictive control to eliminate common mode voltage of an AC motor fed by a neutral point clamped inverter 2017 ,	4
230	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7325-7337	7.2 22
229	Design of MDIs for Type 1 Diabetes Treatment via Rolling Horizon Cardinality-Constrained Optimisation. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15044-15049	0.7 2
228	2017 ,	3
227	Recent advances in common mode voltage mitigation techniques based on MPC 2017 ,	5
226	Improving the performance of cellular uplinks via power overbooking. <i>IET Communications</i> , 2017 , 11, 1512-1518	1.3 1
225	. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 103-115	5.9 4
224	Current control with improved tracking and harmonic performance for a voltage source inverter driving a saturated induction motor 2016 ,	1
223	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 1631-1643	3.7 12
222	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5816-5826	8.9 36
221	A novel representation of rank constraints for real matrices. <i>Linear Algebra and Its Applications</i> , 2016 , 496, 452-462	0.9 8
220	A methodology for the comparison of traditional MPC and stochastic MPC in the context of the regulation of blood glucose levels in Type 1 diabetics 2016 ,	3
219	Individualization of stochastic models from population statistics for blood glucose regulation in Type 1 diabetes patients 2016 ,	2
218	Application of MPC incorporating Stochastic Programming to Type 1 diabetes treatment 2016 ,	5
217	Dealing with linear and nonlinear time delays under model predictive control of power electronic inverters 2016 ,	3

216	A performance limitation for blood glucose regulation in type 1 diabetes accounting for insulin delivery delays 2016 ,		1
215	Harmonic suppression and delay compensation for inverters via variable horizon nonlinear model predictive control. <i>International Journal of Control</i> , 2015 , 88, 1400-1409	1.5	9
214	A fundamental control limitation for linear positive systems with application to Type 1 diabetes treatment. <i>Automatica</i> , 2015 , 55, 73-77	5.7	39
213	Achieving Perfect Tracking in Presence of Saturation plant model and Model Uncertainty in Current Regulators for Voltage Source Inverters. <i>IFAC-PapersOnLine</i> , 2015 , 48, 469-475	0.7	1
212	Model Error Modeling and Stochastic Embedding. <i>IFAC-PapersOnLine</i> , 2015 , 48, 75-79	0.7	7
211	Nonlinear Insulin to Carbohydrate Rule for Treatment of Type 1 Diabetes. <i>IFAC-PapersOnLine</i> , 2015 , 48, 198-203	0.7	4
210	A cost-effective sparse communication strategy for networked linear control systems: an SVD-based approach. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2223-2240	3.6	6
209	Optimal design of VSI current controllers based on MPC approach 2015 ,		8
208	Application of Rank-Constrained Optimisation to Nonlinear System Identification. <i>IFAC-PapersOnLine</i> , 2015 , 48, 814-818	0.7	1
207	A combined MAP and Bayesian scheme for finite data and/or moving horizon estimation. <i>Automatica</i> , 2014 , 50, 1116-1121	5.7	7
206	On the use of one bit quantizers in networked control. <i>Automatica</i> , 2014 , 50, 1122-1127	5.7	8
205	An EM-based identification algorithm for a class of hybrid systems with application to power electronics. <i>International Journal of Control</i> , 2014 , 87, 1339-1351	1.5	8
204	Performance Limitations Arising in Closed Loop Control of Blood Glucose in Type 1 Diabetes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2082-2087		2
203	A Rank-Constrained Optimization approach: Application to Factor Analysis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 10373-10378		12
202	Robust model predictive control: reflections and opportunities. <i>Journal of Control and Decision</i> , 2014 , 1, 115-148	0.9	38
201	Connecting filtering and control sensitivity functions. <i>Automatica</i> , 2014 , 50, 3319-3322	5.7	3
200	Identification of sparse FIR systems using a general quantisation scheme. <i>International Journal of Control</i> , 2014 , 87, 874-886	1.5	21
199	Stochastic Embedding revisited: A modern interpretation 2014 ,		10

198	Background on Sampling of Stochastic Signals. <i>Communications and Control Engineering, 2014, 139-147</i>	0.6
197	Approximate Models for Linear Deterministic Systems. <i>Communications and Control Engineering, 2014, 79-99</i>	0.6
196	Stochastic Nonlinear Systems. <i>Communications and Control Engineering, 2014, 209-220</i>	0.6
195	Background on Sampling of Signals. <i>Communications and Control Engineering, 2014, 7-19</i>	0.6
194	Sampled-Data Models for Linear Stochastic Systems. <i>Communications and Control Engineering, 2014, 149-156</i>	0.6
193	Approximate Sampled-Data Models for Linear Stochastic Systems. <i>Communications and Control Engineering, 2014, 195-207</i>	0.6
192	The Euler-Frobenius Polynomials. <i>Communications and Control Engineering, 2014, 253-263</i>	0.6
191	Asymptotic Sampling Zeros. <i>Communications and Control Engineering, 2014, 47-58</i>	0.6
190	Incremental Sampled-Data Models. <i>Communications and Control Engineering, 2014, 39-45</i>	0.6
189	Applications of Approximate Sampled-Data Models in Estimation and Control. <i>Communications and Control Engineering, 2014, 117-135</i>	0.6
188	Robustness. <i>Communications and Control Engineering, 2014, 73-77</i>	0.6
187	Applications of Approximate Stochastic Sampled-Data Models. <i>Communications and Control Engineering, 2014, 233-250</i>	0.6
186	Incremental Stochastic Sampled-Data Models. <i>Communications and Control Engineering, 2014, 157-167</i>	0.6
185	Sampled-Data Models for Linear Deterministic Systems. <i>Communications and Control Engineering, 2014, 21-38</i>	0.6
184	Generalised Sampling Filters. <i>Communications and Control Engineering, 2014, 181-193</i>	0.6
183	Asymptotic Sampling Zeros for Linear Stochastic Systems. <i>Communications and Control Engineering, 2014, 169-180</i>	0.6
182	Approximate Sampled-Data Models for Fractional Order Systems. <i>Communications and Control Engineering, 2014, 271-286</i>	0.6
181	Approximate Sampled-Data Models for Nonlinear Stochastic Systems. <i>Communications and Control Engineering, 2014, 221-231</i>	0.6 1

180	Approximate Models for Nonlinear Deterministic Systems. <i>Communications and Control Engineering</i> , 2014 , 101-115	0.6	
179	Models for Intersample Response. <i>Communications and Control Engineering</i> , 2014 , 265-270	0.6	
178	Generalised Hold Devices. <i>Communications and Control Engineering</i> , 2014 , 59-71	0.6	
177	Sampling Zeros of Discrete Models for Fractional Order Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 2383-2388	5.9	8
176	Scenario-based, closed-loop model predictive control with application to emergency vehicle scheduling. <i>International Journal of Control</i> , 2013 , 86, 1338-1348	1.5	20
175	Advanced noise shaping and filter design with Feedback Quantizer PWM 2013 ,		8
174	Vector Measures of Accuracy for Sampled Data Models of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 224-230	5.9	8
173	Predictive metamorphic control. <i>Automatica</i> , 2013 , 49, 3670-3676	5.7	16
172	Uplink Load Based Scheduling for CDMA Systems. <i>IEEE Communications Letters</i> , 2013 , 17, 2136-2139	3.8	1
171	On-line quantization in nonlinear filtering. <i>Journal of Statistical Computation and Simulation</i> , 2013 , 83, 1210-1222	0.9	2
170	Temporal sampling issues in discrete nonlinear filtering. <i>Automatica</i> , 2013 , 49, 138-146	5.7	1
169	Application of nonlinear model predictive control to an industrial induction heating furnace. <i>Annual Reviews in Control</i> , 2013 , 37, 271-277	10.3	9
168	. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 357-364	11.9	11
167	EM-Based Maximum-Likelihood Channel Estimation in Multicarrier Systems With Phase Distortion. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 152-160	6.8	16
166	Noise shaping modulation and dynamic current control of NPC inverters for low switching frequency applications 2013 ,		1
165	Generation of amplitude constrained signals with a prescribed spectrum. <i>Automatica</i> , 2012 , 48, 153-158	5.7	2
164	Accuracy of linear multiple-input multiple-output (MIMO) models obtained by maximum likelihood estimation. <i>Automatica</i> , 2012 , 48, 632-637	5.7	7
163	Variance or spectral density in sampled data filtering?. <i>Journal of Global Optimization</i> , 2012 , 52, 335-351	1.5	2

162	Dual time-frequency domain system identification. <i>Automatica</i> , 2012 , 48, 3031-3041	5.7	26
161	EM-based sparse channel estimation in OFDM systems 2012 ,		5
160	Event based sampling in non-linear filtering. <i>Control Engineering Practice</i> , 2012 , 20, 963-971	3.9	14
159	Predictive control: a historical perspective. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 1296-1313	3.6	13
158	Feedback Quantizer vs Sigma-Delta Modulator for Voltage Source Inverters 2012 ,		2
157	Model Predictive Zooming Power Control in Future Cellular Systems under Coarse Quantization 2012 ,		9
156	Control with communication constraints 2012 ,		2
155	2012 ,		9
154	Design of scenarios for constrained stochastic optimization via vector quantization 2012 ,		1
153	A revisit to inverse optimality of linear systems. <i>International Journal of Control</i> , 2012 , 85, 1506-1514	1.5	16
152	The use of Feedback Quantizer PWM for shaping inverter noise spectrum 2012 ,		5
151	Connections between incremental and continuous-time EM algorithm for state space identification*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 834-839		
150	An identification method for Errors-in-Variables systems using incomplete data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1359-1364		3
149	EM-based identification of sparse FIR systems having quantized data1. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 553-558		
148	Opportunities and Challenges in the Application of Nonlinear MPC to Industrial Problems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 39-49		3
147	Application of Minimum Distortion Filtering to Identification of Linear Systems Having Non-uniform Sampling Period 2012 , 97-114		2
146	On the accuracy of phase noise bandwidth estimation in OFDM systems 2011 ,		2
145	A combined model predictive control/space vector modulation (MPC-SVM) strategy for direct torque and flux control of induction motors 2011 ,		4

144	A New Paradigm for State Estimation in Nonlinear Systems via Minimum Distortion Filtering. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 26-31		1
143	A Novel Technique based on up-sampling for addressing Modeling Issues in Sampled Data Nonlinear Filtering. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 32-37		
142	Preview and Feedforward in Model Predictive Control: A Preliminary Robustness Analysis*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 185-190		4
141	Preview and Feedforward in Model Predictive Control: Conceptual and Design Issues*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 5555-5560		6
140	Two-degree-of-freedom anti-aliasing technique for wide-band networked control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 8884-8889		
139	Identification of continuous-time state-space models from non-uniform fast-sampled data. <i>IET Control Theory and Applications</i> , 2011 , 5, 842-855	2.5	26
138	. <i>IEEE Transactions on Education</i> , 2011 , 54, 48-55	2.1	48
137	Feedforward model predictive control. <i>Annual Reviews in Control</i> , 2011 , 35, 199-206	10.3	40
136	A virtual closed loop method for closed loop identification. <i>Automatica</i> , 2011 , 47, 1626-1637	5.7	17
135	On identification of FIR systems having quantized output data. <i>Automatica</i> , 2011 , 47, 1905-1915	5.7	88
134	Derivative of an integral over a convex polytope. <i>Applied Mathematics Letters</i> , 2011 , 24, 1120-1123	3.5	3
133	How Good is Quantized Model Predictive Control With Horizon One?. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2623-2638	5.9	21
132	An input-output sampled data model for a class of continuous-time nonlinear systems having no finite zeros 2011 ,		2
131	Synaptic plasticity based model for epileptic seizures. <i>Automatica</i> , 2011 , 47, 1183-1192	5.7	5
130	An MPC-based nonlinear quantizer for bit rate constrained networked control problems with application to inner loop power control in WCDMA 2011 ,		7
129	EM-Based Channel Estimation in OFDM Systems with Phase Noise 2011 ,		2
128	Kernel selection in linear system identification part II: A classical perspective 2011 ,		23
127	On the accuracy of parameter estimation for continuous time nonlinear systems from sampled data 2011 ,		2

126	Identification of state-space systems using a dual time-frequency domain approach 2010 ,		1
125	A scenario-based approach to parameter estimation in state-space models having quantized output data 2010 ,		4
124	Discussion on: Identification of ARX and ARARX Models in the Presence of Input and Output Noises <i>European Journal of Control</i> , 2010 , 16, 256-257	2.5	1
123	Opportunities and challenges in the application of advanced control to power electronics and drives 2010 ,		7
122	. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1531-1543	5.9	19
121	Sampling and sampled-data models 2010 ,		17
120	Analysis and design of networked control systems using the additive noise model methodology. <i>Asian Journal of Control</i> , 2010 , 12, n/a-n/a	1.7	12
119	An introduction to the control of switching electronic systems. <i>Annual Reviews in Control</i> , 2010 , 34, 209-220,		9
118	On the equivalence of time and frequency domain maximum likelihood estimation. <i>Automatica</i> , 2010 , 46, 260-270	5.7	43
117	Control system design subject to SNR constraints. <i>Automatica</i> , 2010 , 46, 428-436	5.7	71
116	Sequential Bayesian Filtering via Minimum Distortion Quantization 2010 , 203-213		
115	The SNR Approach to Networked Control. <i>The Electrical Engineering Handbook</i> , 2010 , 25-1-25-27		
114	Innovations-based state estimation with wireless sensor networks 2009 ,		1
113	Fundamental limitations on the accuracy of MIMO linear models obtained by PEM for systems operating in open loop 2009 ,		3
112	Subband coding for networked control systems. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 1817-1836	3.6	13
111	Inverse minimax optimality of model predictive control policies. <i>Systems and Control Letters</i> , 2009 , 58, 31-38	2.4	3
110	Redundancy versus multiple starting points in nonlinear system related inverse problems. <i>Automatica</i> , 2009 , 45, 1052-1057	5.7	5
109	An errors-in-variables method for non-stationary data with application to mineral exploration. <i>Automatica</i> , 2009 , 45, 2971-2976	5.7	5

108	A numerical study of time and frequency domain maximum likelihood estimation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1133-1138		
107	Sampled Data Errors-in-Variables Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1157-1162		
106	Scenario-based EM Identification for FIR systems having quantized output data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 66-71		4
105	On the design of control systems over unreliable channels 2009 ,		4
104	Predictive Power Control of Wireless Sensor Networks for Closed Loop Control. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 215-224	0.5	3
103	A Vector Quantization Approach to Scenario Generation for Stochastic NMPC. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 235-248	0.5	9
102	Nonlinear Control VIA Generalized Feedback Linearization Using Neural Networks. <i>Asian Journal of Control</i> , 2008 , 3, 79-88	1.7	11
101	Characterisation Of Receding Horizon Control For Constrained Linear Systems. <i>Asian Journal of Control</i> , 2008 , 5, 271-286	1.7	76
100	Robust Identification of Continuous-time Systems from Sampled Data 2008 , 67-89		2
99	A brief introduction to the analysis and design of Networked Control Systems 2008 ,		10
98	Control over unreliable networks affected by packet erasures and variable transmission delays. <i>IEEE Journal on Selected Areas in Communications</i> , 2008 , 26, 672-685	14.2	44
97	A complex-baseband active-set approach for tone reservation PAR reduction in OFDM systems 2008 ,		3
96	The Quadratic Gaussian Rate-Distortion Function for Source Uncorrelated Distortions 2008 ,		8
95	On useful redundancy in experiment design for nonlinear system identification 2008 ,		1
94	Conditions for optimality of scalar feedback quantization. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 ,	1.6	1
93	Virtual closed loop identification: A generalized tool for identification in closed loop 2008 ,		1
92	On Optimal Perfect Reconstruction Feedback Quantizers. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 3871-3890	4.8	26
91	Robust Output-Feedback MPC with Soft State Constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 13157-13162		2

90	Relative Error Issues in Sampled Data Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 5047-5052		2
89	Optimal Controller Design for Networked Control Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 5167-5172		8
88	Identifiability of EIV Dynamic Systems with Non-Stationary Data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 444-449		3
87	On Networked Control Architectures for MIMO Plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 8044-8049		1
86	Performance Limitations arising in the Control of Power Plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 8437-8442		
85	Constrained predictive control of ship fin stabilizers to prevent dynamic stall. <i>Control Engineering Practice</i> , 2008 , 16, 482-494	3.9	57
84	Robust identification of process models from plant data. <i>Journal of Process Control</i> , 2008 , 18, 810-820	3.9	30
83	Optimization opportunities in mining, metal and mineral processing. <i>Annual Reviews in Control</i> , 2008 , 32, 17-32	10.3	5
82	Architectures and coder design for networked control systems. <i>Automatica</i> , 2008 , 44, 248-257	5.7	69
81	Robust output-feedback model predictive control for systems with unstructured uncertainty. <i>Automatica</i> , 2008 , 44, 1933-1943	5.7	74
80	Identifiability of errors in variables dynamic systems. <i>Automatica</i> , 2008 , 44, 371-382	5.7	62
79	On the equivalence of least costly and traditional experiment design for control. <i>Automatica</i> , 2008 , 44, 2706-2715	5.7	30
78	Conditions for optimality of N _a quantized finite horizon control. <i>International Journal of Control</i> , 2007 , 80, 706-720	1.5	8
77	Packetized Predictive Control over Erasure Channels. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	27
76	Predictive Control of a Flying Capacitor Converter. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	32
75	Choosing Between Open- and Closed-Loop Experiments in Linear System Identification. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1475-1480	5.9	31
74	Robust model predictive control of input-constrained stable systems with unstructured uncertainty 2007 ,		6
73	Optimal experiment design with diffuse prior information 2007 ,		2

72	Frequency domain identification of MIMO state space models using the EM algorithm 2007 ,		7
71	Insights into the zero dynamics of sampled-data models for linear and nonlinear stochastic systems 2007 ,		3
70	Optimal noise shaping for Networked Control Systems 2007 ,		6
69	Robust optimal experiment design for system identification. <i>Automatica</i> , 2007 , 43, 993-1008	5.7	142
68	Design of modulated and demodulated controllers for flexible structures. <i>Control Engineering Practice</i> , 2007 , 15, 377-388	3.9	17
67	Multistep Detector for Linear ISI-Channels Incorporating Degrees of Belief in Past Estimates. <i>IEEE Transactions on Communications</i> , 2007 , 55, 2092-2103	6.9	10
66	A dissipativity approach to robustness in constrained model predictive control 2007 ,		7
65	System identification using quantized data 2007 ,		34
64	Optimal coding for bit-rate limited networked control systems in the presence of data loss 2007 ,		12
63	OFDMA Uplink PAR Reduction via Tone Reservation 2007 ,		4
62	ROBUST IDENTIFICATION OF PROCESS MODELS FROM PLANT DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 1-18		
61	OPTIMISATION: A KEY TOOL FOR ADVANCED DESIGN IN SCHEDULING, ESTIMATION AND CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 3-16		0
60	PERFORMANCE LIMITS IN MULTI-CHANNEL NETWORKED CONTROL SYSTEM ARCHITECTURES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2007 , 40, 160-165		2
59	A Receding Horizon Algorithm to Generate Binary Signals with a Prescribed Autocovariance. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	14
58	Open-cut Mine Planning via Closed-loop Receding-horizon Optimal Control 2007 , 43-62		2
57	Geometric characterization of multivariable quadratically stabilizing quantizers. <i>International Journal of Control</i> , 2006 , 79, 845-857	1.5	8
56	On the Optimality of Open and Closed Loop Experiments in System Identification 2006 ,		12
55	Networked PID control 2006 ,		2

54	Inverse Minimax Optimality of Model Predictive Control Policies 2006 ,			3
53	SPC02-2: Joint Data Detection and Channel Estimation for MIMO-OFDM Systems via EM Algorithm and Sphere Decoding. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006 ,			7
52	. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 3805-3814	4.8		2
51	SAMPLED-DATA MODELS FOR STOCHASTIC NONLINEAR SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 434-439			4
50	UTILIZING PRIOR KNOWLEDGE IN ROBUST OPTIMAL EXPERIMENT DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 1358-1363			6
49	IDENTIFIABILITY OF ERRORS IN VARIABLES DYNAMIC SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 196-201			6
48	Receding horizon control applied to optimal mine planning. <i>Automatica</i> , 2006 , 42, 1337-1342	5.7		24
47	Time-domain performance limitations arising from decentralized architectures and their relationship to the RGA. <i>International Journal of Control</i> , 2005 , 78, 1045-1062	1.5		21
46	Moving horizon design of discrete coefficient FIR filters. <i>IEEE Transactions on Signal Processing</i> , 2005 , 53, 2262-2267	4.8		12
45	. <i>IEEE Transactions on Signal Processing</i> , 2005 , 53, 4273-4282	4.8		27
44	On sampled-data models for nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1477-1489	5.9		88
43	ON THE OPTIMAL ESTIMATION OF ERRORS IN VARIABLES MODELS FOR ROBUST CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 821-825			8
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