

# Graham C Goodwin

## List of Publications by Citations

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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	Fundamental Limitations in Filtering and Control. <i>Communications and Control Engineering</i> , <b>1997</b> ,	0.6	247
250	Constrained Control and Estimation. <i>Communications and Control Engineering</i> , <b>2005</b> ,	0.6	186
249	A moving horizon approach to Networked Control system design. <i>IEEE Transactions on Automatic Control</i> , <b>2004</b> , 49, 1427-1445	5.9	180
248	Estimation of model quality. <i>Automatica</i> , <b>1995</b> , 31, 1771-1797	5.7	154
247	Robust optimal experiment design for system identification. <i>Automatica</i> , <b>2007</b> , 43, 993-1008	5.7	142
246	Finite constraint set receding horizon quadratic control. <i>International Journal of Robust and Nonlinear Control</i> , <b>2004</b> , 14, 355-377	3.6	96
245	On identification of FIR systems having quantized output data. <i>Automatica</i> , <b>2011</b> , 47, 1905-1915	5.7	88
244	On sampled-data models for nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , <b>2005</b> , 50, 1477-1489	5.7	88
243	Characterisation Of Receding Horizon Control For Constrained Linear Systems. <i>Asian Journal of Control</i> , <b>2008</b> , 5, 271-286	1.7	76
242	Robust output-feedback model predictive control for systems with unstructured uncertainty. <i>Automatica</i> , <b>2008</b> , 44, 1933-1943	5.7	74
241	Control system design subject to SNR constraints. <i>Automatica</i> , <b>2010</b> , 46, 428-436	5.7	71
240	Architectures and coder design for networked control systems. <i>Automatica</i> , <b>2008</b> , 44, 248-257	5.7	69
239	Sampling in Digital Signal Processing and Control <b>1996</b> ,		68
238	A stochastic embedding approach for quantifying uncertainty in the estimation of restricted complexity models. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1989</b> , 3, 333-356	2.8	66
237	Identifiability of errors in variables dynamic systems. <i>Automatica</i> , <b>2008</b> , 44, 371-382	5.7	62
236	Constrained predictive control of ship fin stabilizers to prevent dynamic stall. <i>Control Engineering Practice</i> , <b>2008</b> , 16, 482-494	3.9	57
235	Performance limitations for linear feedback systems in the presence of plant uncertainty. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 1312-1319	5.9	49

234	. <i>IEEE Transactions on Education</i> , <b>2011</b> , 54, 48-55	2.1	48
233	Optimal experiment design for linear systems with input-output constraints. <i>Automatica</i> , <b>1977</b> , 13, 571-577	5.7	45
232	Control over unreliable networks affected by packet erasures and variable transmission delays. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2008</b> , 26, 672-685	14.2	44
231	On the equivalence of time and frequency domain maximum likelihood estimation. <i>Automatica</i> , <b>2010</b> , 46, 260-270	5.7	43
230	Quantification of Uncertainty in Estimation <b>1990</b> ,		42
229	Feedforward model predictive control. <i>Annual Reviews in Control</i> , <b>2011</b> , 35, 199-206	10.3	40
228	A fundamental control limitation for linear positive systems with application to Type 1 diabetes treatment. <i>Automatica</i> , <b>2015</b> , 55, 73-77	5.7	39
227	Robust model predictive control: reflections and opportunities. <i>Journal of Control and Decision</i> , <b>2014</b> , 1, 115-148	0.9	38
226	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5816-5826	8.9	36
225	System identification using quantized data <b>2007</b> ,		34
224	Predictive Control of a Flying Capacitor Converter. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	32
223	Choosing Between Open- and Closed-Loop Experiments in Linear System Identification. <i>IEEE Transactions on Automatic Control</i> , <b>2007</b> , 52, 1475-1480	5.9	31
222	Robust identification of process models from plant data. <i>Journal of Process Control</i> , <b>2008</b> , 18, 810-820	3.9	30
221	On the equivalence of least costly and traditional experiment design for control. <i>Automatica</i> , <b>2008</b> , 44, 2706-2715	5.7	30
220	Supervisory multiple regime control. <i>Journal of Process Control</i> , <b>2003</b> , 13, 177-191	3.9	29
219	Anti-windup and Model Predictive Control: Reflections and Connections*. <i>European Journal of Control</i> , <b>2000</b> , 6, 467-477	2.5	29
218	Frequency domain sensitivity functions for continuous time systems under sampled data control. <i>Automatica</i> , <b>1994</b> , 30, 1263-1270	5.7	29
217	An SVD based strategy for receding horizon control of input constrained linear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2004</b> , 14, 1207-1226	3.6	28

216	Packetized Predictive Control over Erasure Channels. <i>Proceedings of the American Control Conference, 2007,</i>	1.2	27
215	. <i>IEEE Transactions on Signal Processing, 2005, 53, 4273-4282</i>	4.8	27
214	Dual time-frequency domain system identification. <i>Automatica, 2012, 48, 3031-3041</i>	5.7	26
213	Identification of continuous-time state-space models from non-uniform fast-sampled data. <i>IET Control Theory and Applications, 2011, 5, 842-855</i>	2.5	26
212	On Optimal Perfect Reconstruction Feedback Quantizers. <i>IEEE Transactions on Signal Processing, 2008, 56, 3871-3890</i>	4.8	26
211	Receding horizon control applied to optimal mine planning. <i>Automatica, 2006, 42, 1337-1342</i>	5.7	24
210	Kernel selection in linear system identification part II: A classical perspective <b>2011,</b>		23
209	Rapprochement between bounded-error and stochastic estimation theory. <i>International Journal of Adaptive Control and Signal Processing, 1995, 9, 107-132</i>	2.8	23
208	. <i>IEEE Transactions on Power Electronics, 2017, 32, 7325-7337</i>	7.2	22
207	Identification of sparse FIR systems using a general quantisation scheme. <i>International Journal of Control, 2014, 87, 874-886</i>	1.5	21
206	How Good is Quantized Model Predictive Control With Horizon One?. <i>IEEE Transactions on Automatic Control, 2011, 56, 2623-2638</i>	5.9	21
205	Time-domain performance limitations arising from decentralized architectures and their relationship to the RGA. <i>International Journal of Control, 2005, 78, 1045-1062</i>	1.5	21
204	Non-stationary stochastic embedding for transfer function estimation. <i>Automatica, 2002, 38, 47-62</i>	5.7	21
203	Lagrangian duality between constrained estimation and control. <i>Automatica, 2005, 41, 935-944</i>	5.7	21
202	Scenario-based, closed-loop model predictive control with application to emergency vehicle scheduling. <i>International Journal of Control, 2013, 86, 1338-1348</i>	1.5	20
201	. <i>IEEE Transactions on Automatic Control, 2010, 55, 1531-1543</i>	5.9	19
200	A virtual closed loop method for closed loop identification. <i>Automatica, 2011, 47, 1626-1637</i>	5.7	17
199	Sampling and sampled-data models <b>2010,</b>		17

198	Design of modulated and demodulated controllers for flexible structures. <i>Control Engineering Practice</i> , <b>2007</b> , 15, 377-388	3.9	17
197	Integral constraints on sensitivity vectors for multivariable linear systems. <i>Automatica</i> , <b>1996</b> , 32, 499-518	5.7	17
196	Predictive metamorphic control. <i>Automatica</i> , <b>2013</b> , 49, 3670-3676	5.7	16
195	EM-Based Maximum-Likelihood Channel Estimation in Multicarrier Systems With Phase Distortion. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 152-160	6.8	16
194	A revisit to inverse optimality of linear systems. <i>International Journal of Control</i> , <b>2012</b> , 85, 1506-1514	1.5	16
193	Event based sampling in non-linear filtering. <i>Control Engineering Practice</i> , <b>2012</b> , 20, 963-971	3.9	14
192	A Receding Horizon Algorithm to Generate Binary Signals with a Prescribed Autocovariance. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	14
191	Predictive control: a historical perspective. <i>International Journal of Robust and Nonlinear Control</i> , <b>2012</b> , 22, 1296-1313	3.6	13
190	Subband coding for networked control systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2009</b> , 19, 1817-1836	3.6	13
189	Loop Performance Assessment for Decentralized Control of Stable Linear Systems. <i>European Journal of Control</i> , <b>2003</b> , 9, 118-132	2.5	13
188	Control of constrained linear systems using fast sampling rates. <i>Systems and Control Letters</i> , <b>2005</b> , 54, 981-990	2.4	13
187	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2016</b> , 52, 1631-1643	3.7	12
186	A Rank-Constrained Optimization approach: Application to Factor Analysis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 10373-10378		12
185	Analysis and design of networked control systems using the additive noise model methodology. <i>Asian Journal of Control</i> , <b>2010</b> , 12, n/a-n/a	1.7	12
184	On the Optimality of Open and Closed Loop Experiments in System Identification <b>2006</b> ,		12
183	Optimal coding for bit-rate limited networked control systems in the presence of data loss <b>2007</b> ,		12
182	Moving horizon design of discrete coefficient FIR filters. <i>IEEE Transactions on Signal Processing</i> , <b>2005</b> , 53, 2262-2267	4.8	12
181	Properties of modulated and demodulated systems with implications to feedback limitations. <i>Automatica</i> , <b>2005</b> , 41, 2123-2129	5.7	12

180	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2013</b> , 9, 357-364	11.9	11
179	Nonlinear Control VIA Generalized Feedback Linearization Using Neural Networks. <i>Asian Journal of Control</i> , <b>2008</b> , 3, 79-88	1.7	11
178	Performance degradation in feedback control due to constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 1381-1385	5.9	11
177	Stochastic Embedding revisited: A modern interpretation <b>2014</b> ,		10
176	A brief introduction to the analysis and design of Networked Control Systems <b>2008</b> ,		10
175	Multistep Detector for Linear ISI-Channels Incorporating Degrees of Belief in Past Estimates. <i>IEEE Transactions on Communications</i> , <b>2007</b> , 55, 2092-2103	6.9	10
174	A fundamental control performance limit for a class of positive nonlinear systems. <i>Automatica</i> , <b>2018</b> , 95, 14-22	5.7	10
173	Harmonic suppression and delay compensation for inverters via variable horizon nonlinear model predictive control. <i>International Journal of Control</i> , <b>2015</b> , 88, 1400-1409	1.5	9
172	Application of nonlinear model predictive control to an industrial induction heating furnace. <i>Annual Reviews in Control</i> , <b>2013</b> , 37, 271-277	10.3	9
171	Model Predictive Zooming Power Control in Future Cellular Systems under Coarse Quantization <b>2012</b> ,		9
170	<b>2012</b> ,		9
169	An introduction to the control of switching electronic systems. <i>Annual Reviews in Control</i> , <b>2010</b> , 34, 209-220,		9
168	Sensitivity limitations in nonlinear feedback control. <i>Systems and Control Letters</i> , <b>1996</b> , 27, 249-254	2.4	9
167	A Vector Quantization Approach to Scenario Generation for Stochastic NMPC. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> , 235-248	0.5	9
166	A novel representation of rank constraints for real matrices. <i>Linear Algebra and Its Applications</i> , <b>2016</b> , 496, 452-462	0.9	8
165	On the use of one bit quantizers in networked control. <i>Automatica</i> , <b>2014</b> , 50, 1122-1127	5.7	8
164	An EM-based identification algorithm for a class of hybrid systems with application to power electronics. <i>International Journal of Control</i> , <b>2014</b> , 87, 1339-1351	1.5	8
163	Sampling Zeros of Discrete Models for Fractional Order Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 2383-2388	5.9	8

162	Advanced noise shaping and filter design with Feedback Quantizer PWM <b>2013</b> ,		8
161	Vector Measures of Accuracy for Sampled Data Models of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 224-230	5.9	8
160	Optimal design of VSI current controllers based on MPC approach <b>2015</b> ,		8
159	The Quadratic Gaussian Rate-Distortion Function for Source Uncorrelated Distortions <b>2008</b> ,		8
158	Optimal Controller Design for Networked Control Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 5167-5172		8
157	Conditions for optimality of Naïve quantized finite horizon control. <i>International Journal of Control</i> , <b>2007</b> , 80, 706-720	1.5	8
156	Geometric characterization of multivariable quadratically stabilizing quantizers. <i>International Journal of Control</i> , <b>2006</b> , 79, 845-857	1.5	8
155	On optimal control of constrained linear systems with imperfect state information and stochastic disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2004</b> , 14, 379-393	3.6	8
154	ON THE OPTIMAL ESTIMATION OF ERRORS IN VARIABLES MODELS FOR ROBUST CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 821-825		8
153	Qualitative aspects of the distribution of errors in least squares estimation. <i>Automatica</i> , <b>1990</b> , 26, 97-101	5.7	8
152	A combined MAP and Bayesian scheme for finite data and/or moving horizon estimation. <i>Automatica</i> , <b>2014</b> , 50, 1116-1121	5.7	7
151	Accuracy of linear multiple-input multiple-output (MIMO) models obtained by maximum likelihood estimation. <i>Automatica</i> , <b>2012</b> , 48, 632-637	5.7	7
150	Model Error Modeling and Stochastic Embedding. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 75-79	0.7	7
149	Opportunities and challenges in the application of advanced control to power electronics and drives <b>2010</b> ,		7
148	An MPC-based nonlinear quantizer for bit rate constrained networked control problems with application to inner loop power control in WCDMA <b>2011</b> ,		7
147	Frequency domain identification of MIMO state space models using the EM algorithm <b>2007</b> ,		7
146	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> , <b>2006</b> ,		7
145	A dissipativity approach to robustness in constrained model predictive control <b>2007</b> ,		7

144	Frequency localising basis functions for wide-band identification <b>2003</b> ,		7
143	Super-resolution reconstruction using spatio-temporal filtering. <i>Journal of Visual Communication and Image Representation</i> , <b>2003</b> , 14, 508-525	2.7	7
142	. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3972-3985	5.9	6
141	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 2945-2955	8.9	6
140	A cost-effective sparse communication strategy for networked linear control systems: an SVD-based approach. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 2223-2240	3.6	6
139	Preview and Feedforward in Model Predictive Control: Conceptual and Design Issues*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 5555-5560		6
138	Robust model predictive control of input-constrained stable systems with unstructured uncertainty <b>2007</b> ,		6
137	Optimal noise shaping for Networked Control Systems <b>2007</b> ,		6
136	UTILIZING PRIOR KNOWLEDGE IN ROBUST OPTIMAL EXPERIMENT DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 1358-1363		6
135	IDENTIFIABILITY OF ERRORS IN VARIABLES DYNAMIC SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 196-201		6
134	A performance bound for optimal insulin infusion in individuals with Type 1 diabetes ingesting a meal with slow postprandial response. <i>Automatica</i> , <b>2019</b> , 103, 531-537	5.7	5
133	Recent advances in common mode voltage mitigation techniques based on MPC <b>2017</b> ,		5
132	EM-based sparse channel estimation in OFDM systems <b>2012</b> ,		5
131	Redundancy versus multiple starting points in nonlinear system related inverse problems. <i>Automatica</i> , <b>2009</b> , 45, 1052-1057	5.7	5
130	An errors-in-variables method for non-stationary data with application to mineral exploration. <i>Automatica</i> , <b>2009</b> , 45, 2971-2976	5.7	5
129	Synaptic plasticity based model for epileptic seizures. <i>Automatica</i> , <b>2011</b> , 47, 1183-1192	5.7	5
128	The use of Feedback Quantizer PWM for shaping inverter noise spectrum <b>2012</b> ,		5
127	Optimization opportunities in mining, metal and mineral processing. <i>Annual Reviews in Control</i> , <b>2008</b> , 32, 17-32	10.3	5



126	Iterative algorithm for robust performance optimization. <i>International Journal of Control</i> , <b>1993</b> , 57, 799-815		5
125	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> , <b>2020</b> , 57, 101813	4.9	5
124	Application of MPC incorporating Stochastic Programming to Type 1 diabetes treatment <b>2016</b> ,		5
123	Stochastic model predictive control: Insights and performance comparisons for linear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2019</b> , 29, 5038-5057	3.6	5
122	Computationally Efficient Model Predictive Control for AC-DC-AC Converter with Common Mode Voltage Elimination <b>2018</b> ,		5
121	. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 103-115	5.9	4
120	A simplified model predictive control to eliminate common mode voltage of an AC motor fed by a neutral point clamped inverter <b>2017</b> ,		4
119	Nonlinear Insulin to Carbohydrate Rule for Treatment of Type 1 Diabetes. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 198-203	0.7	4
118	A combined model predictive control/space vector modulation (MPC-SVM) strategy for direct torque and flux control of induction motors <b>2011</b> ,		4
117	Preview and Feedforward in Model Predictive Control: A Preliminary Robustness Analysis*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 185-190		4
116	A scenario-based approach to parameter estimation in state-space models having quantized output data <b>2010</b> ,		4
115	Scenario-based EM Identification for FIR systems having quantized output data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 66-71		4
114	OFDMA Uplink PAR Reduction via Tone Reservation <b>2007</b> ,		4
113	SAMPLED-DATA MODELS FOR STOCHASTIC NONLINEAR SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2006</b> , 39, 434-439		4
112	ROBUSTNESS ISSUES IN CONTINUOUS-TIME SYSTEM IDENTIFICATION FROM SAMPLED DATA. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 237-242		4
111	Illustration of an integrated approach to adaptive control. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1990</b> , 4, 149-162	2.8	4
110	On the design of control systems over unreliable channels <b>2009</b> ,		4
109	Model Error Modelling using a Stochastic Embedding approach with Gaussian Mixture Models for FIR systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 845-850	0.7	4

108	Control Limitations in Models of T1DM and the Robustness of Optimal Insulin Delivery. <i>Journal of Diabetes Science and Technology</i> , <b>2018</b> , 12, 926-936	4.1	3
107	<b>2017</b> ,		3
106	Connecting filtering and control sensitivity functions. <i>Automatica</i> , <b>2014</b> , 50, 3319-3322	5.7	3
105	Derivative of an integral over a convex polytope. <i>Applied Mathematics Letters</i> , <b>2011</b> , 24, 1120-1123	3.5	3
104	Fundamental limitations on the accuracy of MIMO linear models obtained by PEM for systems operating in open loop <b>2009</b> ,		3
103	Inverse minimax optimality of model predictive control policies. <i>Systems and Control Letters</i> , <b>2009</b> , 58, 31-38	2.4	3
102	An identification method for Errors-in-Variables systems using incomplete data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 1359-1364		3
101	Opportunities and Challenges in the Application of Nonlinear MPC to Industrial Problems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 39-49		3
100	A complex-baseband active-set approach for tone reservation PAR reduction in OFDM systems <b>2008</b> ,		3
99	Identifiability of EIV Dynamic Systems with Non-Stationary Data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 444-449		3
98	Insights into the zero dynamics of sampled-data models for linear and nonlinear stochastic systems <b>2007</b> ,		3
97	Inverse Minimax Optimality of Model Predictive Control Policies <b>2006</b> ,		3
96	AN IMPROVED ARCHITECTURE FOR NETWORKED CONTROL SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 550-555		3
95	Loop transfer recovery for linear systems with delays in the state and the output. <i>International Journal of Control</i> , <b>1995</b> , 61, 1099-1118	1.5	3
94	Adaptive control of a coupled tank apparatus. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1989</b> , 3, 319-331	2.8	3
93	Predictive Power Control of Wireless Sensor Networks for Closed Loop Control. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> , 215-224	0.5	3
92	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 <b>2016</b> ,		3
91	Dealing with linear and nonlinear time delays under model predictive control of power electronic inverters <b>2016</b> ,		3

90	A modified relay autotuner for systems having large broadband disturbances. <i>Automatica</i> , <b>2018</b> , 94, 178-185	3
89	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> , <b>2014</b> , 47, 2082-2087	2
88	Generation of amplitude constrained signals with a prescribed spectrum. <i>Automatica</i> , <b>2012</b> , 48, 153-158	5.7 2
87	Variance or spectral density in sampled data filtering?. <i>Journal of Global Optimization</i> , <b>2012</b> , 52, 335-351	1.5 2
86	On-line quantization in nonlinear filtering. <i>Journal of Statistical Computation and Simulation</i> , <b>2013</b> , 83, 1210-1222	0.9 2
85	Design of MDIs for Type 1 Diabetes Treatment via Rolling Horizon Cardinality-Constrained Optimisation. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15044-15049	0.7 2
84	On the accuracy of phase noise bandwidth estimation in OFDM systems <b>2011</b> ,	2
83	An input-output sampled data model for a class of continuous-time nonlinear systems having no finite zeros <b>2011</b> ,	2
82	EM-Based Channel Estimation in OFDM Systems with Phase Noise <b>2011</b> ,	2
81	On the accuracy of parameter estimation for continuous time nonlinear systems from sampled data <b>2011</b> ,	2
80	Feedback Quantizer vs Sigma-Delta Modulator for Voltage Source Inverters <b>2012</b> ,	2
79	Control with communication constraints <b>2012</b> ,	2
78	Robust Identification of Continuous-time Systems from Sampled Data <b>2008</b> , 67-89	2
77	Robust Output-Feedback MPC with Soft State Constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 13157-13162	2
76	Relative Error Issues in Sampled Data Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 5047-5052	2
75	Optimal experiment design with diffuse prior information <b>2007</b> ,	2
74	Networked PID control <b>2006</b> ,	2
73	PERFORMANCE LIMITS IN MULTI-CHANNEL NETWORKED CONTROL SYSTEM ARCHITECTURES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2007</b> , 40, 160-165	2

72	. <i>IEEE Transactions on Signal Processing</i> , <b>2006</b> , 54, 3805-3814	4.8	2
71	Linear deterministic adaptive control: fundamental limitations?. <i>Systems and Control Letters</i> , <b>2003</b> , 49, 5-8	2.4	2
70	Disturbance sensitivity issues in predictive control. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1999</b> , 13, 507-519	2.8	2
69	Example applications of an integrated indirect adaptive design technique. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1989</b> , 3, 143-154	2.8	2
68	Open-cut Mine Planning via Closed-loop Receding-horizon Optimal Control <b>2007</b> , 43-62		2
67	Individualization of stochastic models from population statistics for blood glucose regulation in Type 1 diabetes patients <b>2016</b> ,		2
66	Common Mode Voltage Elimination in Industrial AC-AC Converters Based on Model Predictive Control <b>2018</b> ,		2
65	Computationally Efficient Model Predictive Control of a Four-Leg Inverter for Common Mode Voltage Elimination <b>2018</b> ,		2
64	Application of Minimum Distortion Filtering to Identification of Linear Systems Having Non-uniform Sampling Period <b>2012</b> , 97-114		2
63	Characterisation of Optimal Responses to Pulse Inputs in the Bergman Minimal Model. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 15163-15168	0.7	1
62	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> , <b>2019</b> , 89, 228-237	3.9	1
61	Current control with improved tracking and harmonic performance for a voltage source inverter driving a saturated induction motor <b>2016</b> ,		1
60	A Critique of Observers Used in the Context of Feedback Control. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 1-24	0.9	1
59	Inverter Control and Implementation Options for a Novel AC Microgrid <b>2018</b> ,		1
58	Achieving Perfect Tracking in Presence of Saturationplant model and Model Uncertainty in Current Regulators for Voltage Source Inverters. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 469-475	0.7	1
57	Uplink Load Based Scheduling for CDMA Systems. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 2136-2139	3.8	1
56	Temporal sampling issues in discrete nonlinear filtering. <i>Automatica</i> , <b>2013</b> , 49, 138-146	5.7	1
55	Improving the performance of cellular uplinks via power overbooking. <i>IET Communications</i> , <b>2017</b> , 11, 1512-1518	1.3	1

54	Application of Rank-Constrained Optimisation to Nonlinear System Identification. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 814-818	0.7	1
53	Noise shaping modulation and dynamic current control of NPC inverters for low switching frequency applications <b>2013</b> ,		1
52	A New Paradigm for State Estimation in Nonlinear Systems via Minimum Distortion Filtering. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 26-31		1
51	Identification of state-space systems using a dual time-frequency domain approach <b>2010</b> ,		1
50	Discussion on: Identification of ARX and ARARX Models in the Presence of Input and Output Noises <i>European Journal of Control</i> , <b>2010</b> , 16, 256-257	2.5	1
49	Innovations-based state estimation with wireless sensor networks <b>2009</b> ,		1
48	Design of scenarios for constrained stochastic optimization via vector quantization <b>2012</b> ,		1
47	On useful redundancy in experiment design for nonlinear system identification <b>2008</b> ,		1
46	Conditions for optimality of scalar feedback quantization. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	1
45	Virtual closed loop identification: A generalized tool for identification in closed loop <b>2008</b> ,		1
44	On Networked Control Architectures for MIMO Plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 8044-8049		1
43	Constrained Control to Prevent Dynamic Stall of Ship Fin Stabilizers. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2003</b> , 36, 139-144		1
42	Model Error Quantification for Robust Control based on Quasi-Bayesian Estimation in Closed Loop <b>1991</b> ,		1
41	Approximate Sampled-Data Models for Nonlinear Stochastic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 221-231	0.6	1
40	Fundamental performance properties of a general class of observers for linear systems having predictable disturbances. <i>Automatica</i> , <b>2020</b> , 113, 108717	5.7	1
39	A performance limitation for blood glucose regulation in type 1 diabetes accounting for insulin delivery delays <b>2016</b> ,		1
38	OPTIMISATION: A KEY TOOL FOR ADVANCED DESIGN IN SCHEDULING, ESTIMATION AND CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2007</b> , 40, 3-16		0
37	On constrained control of fin, rudder or combined fin-rudder stabilizers: A quasi-adaptive control strategy. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 113-118		0

- 36 Matrix Converters With Input Resonance Suppression for Electric Haulage Vehicles. *IEEE Transactions on Industry Applications*, **2021**, 57, 5527-5536 4.3 ○
- 35 Decentralised Droopless Control of Islanded Radial AC Microgrids without Explicit Communication. *IEEE Open Journal of Industry Applications*, **2022**, 1-1 4.7 ○
- 34 A Novel Technique based on up-sampling for addressing Modeling Issues in Sampled Data Nonlinear Filtering. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 32-37
- 33 Two-degree-of-freedom anti-aliasing technique for wide-band networked control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 8884-8889
- 32 Connections between incremental and continuous-time EM algorithm for state space identification\*. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 834-839
- 31 EM-based identification of sparse FIR systems having quantized data1. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 553-558
- 30 A numerical study of time and frequency domain maximum likelihood estimation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 1133-1138
- 29 Sampled Data Errors-in-Variables Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 1157-1162
- 28 Performance Limitations arising in the Control of Power Plants. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 8437-8442
- 27 ROBUST IDENTIFICATION OF PROCESS MODELS FROM PLANT DATA. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 1-18
- 26 Robust performance optimization based on stochastic model errors: the stable case. *International Journal of Robust and Nonlinear Control*, **2002**, 12, 1191-1208 3.6
- 25 Quantization issues in signal processing & control system design. *Australian Journal of Electrical and Electronics Engineering*, **2005**, 2, 127-139 0.6
- 24 An introductory model of a one-piston engine. *European Journal of Physics*, **2005**, 26, 1115-1125 0.8
- 23 Sequential Bayesian Filtering via Minimum Distortion Quantization **2010**, 203-213
- 22 The SNR Approach to Networked Control. *The Electrical Engineering Handbook*, **2010**, 25-1-25-27
- 21 Background on Sampling of Stochastic Signals. *Communications and Control Engineering*, **2014**, 139-147 0.6
- 20 Approximate Models for Linear Deterministic Systems. *Communications and Control Engineering*, **2014**, 79-99 0.6
- 19 Stochastic Nonlinear Systems. *Communications and Control Engineering*, **2014**, 209-220 0.6

18	Background on Sampling of Signals. <i>Communications and Control Engineering</i> , <b>2014</b> , 7-19	0.6
17	Sampled-Data Models for Linear Stochastic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 149-156	0.6
16	Approximate Sampled-Data Models for Linear Stochastic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 195-207	0.6
15	The Euler-Erobenius Polynomials. <i>Communications and Control Engineering</i> , <b>2014</b> , 253-263	0.6
14	Asymptotic Sampling Zeros. <i>Communications and Control Engineering</i> , <b>2014</b> , 47-58	0.6
13	Incremental Sampled-Data Models. <i>Communications and Control Engineering</i> , <b>2014</b> , 39-45	0.6
12	Applications of Approximate Sampled-Data Models in Estimation and Control. <i>Communications and Control Engineering</i> , <b>2014</b> , 117-135	0.6
11	Robustness. <i>Communications and Control Engineering</i> , <b>2014</b> , 73-77	0.6
10	Applications of Approximate Stochastic Sampled-Data Models. <i>Communications and Control Engineering</i> , <b>2014</b> , 233-250	0.6
9	Incremental Stochastic Sampled-Data Models. <i>Communications and Control Engineering</i> , <b>2014</b> , 157-167	0.6
8	Sampled-Data Models for Linear Deterministic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 21-38	0.6
7	Generalised Sampling Filters. <i>Communications and Control Engineering</i> , <b>2014</b> , 181-193	0.6
6	Asymptotic Sampling Zeros for Linear Stochastic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 169-180	0.6
5	Approximate Sampled-Data Models for Fractional Order Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 271-286	0.6
4	Approximate Models for Nonlinear Deterministic Systems. <i>Communications and Control Engineering</i> , <b>2014</b> , 101-115	0.6
3	Models for Intersample Response. <i>Communications and Control Engineering</i> , <b>2014</b> , 265-270	0.6
2	Generalised Hold Devices. <i>Communications and Control Engineering</i> , <b>2014</b> , 59-71	0.6
1	Robust Model Predictive Control for AFE-Inverter Drives with Common Mode Voltage Elimination. <i>IEEE Open Journal of Industry Applications</i> , <b>2022</b> , 1-1	4-7

