Daniel E Quevedo

List of Publications by Citations

236 papers	6,589 citations	37 h-index	76 g-index
261 ext. papers	8,212 ext. citations	4 avg, IF	6.47 L-index

#	Paper	IF	Citations
236	Predictive Control in Power Electronics and Drives. *IEEE Transactions on Industrial Electronics*, **2008**, 55, 4312-4324	8.9	1034
235	Predictive Current Control Strategy With Imposed Load Current Spectrum. *IEEE Transactions on Power Electronics*, **2008**, 23, 612-618	7.2	266
234	Jamming Attacks on Remote State Estimation in Cyber-Physical Systems: A Game-Theoretic Approach. *IEEE Transactions on Automatic Control*, **2015**, 60, 2831-2836	5.9	256
233	Multistep Finite Control Set Model Predictive Control for Power Electronics. *IEEE Transactions on Power Electronics*, **2014**, 29, 6836-6846	7.2	236
232	Predictive Optimal Switching Sequence Direct Power Control for Grid-Connected Power Converters. *IEEE Transactions on Industrial Electronics*, **2015**, 62, 2010-2020	8.9	229
231	Performance of Multistep Finite Control Set Model Predictive Control for Power Electronics. *IEEE Transactions on Power Electronics*, **2015**, 30, 1633-1644	7.2	201
230	A moving horizon approach to Networked Control system design. *IEEE Transactions on Automatic Control*, **2004**, 49, 1427-1445	5.9	180
229	Model Predictive Control of an AFE Rectifier With Dynamic References. *IEEE Transactions on Power Electronics*, **2012**, 27, 3128-3136	7.2	171
228	Model Predictive Control of an Asymmetric Flying Capacitor Converter. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 1839-1846	8.9	153
227	SINR-Based DoS Attack on Remote State Estimation: A Game-Theoretic Approach. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 632-642	4	148
226	Input-to-State Stability of Packetized Predictive Control Over Unreliable Networks Affected by Packet-Dropouts. *IEEE Transactions on Automatic Control*, **2011**, 56, 370-375	5.9	132
225	Predictive Control of Power Converters: Designs With Guaranteed Performance. *IEEE Transactions on Industrial Informatics*, **2015**, 11, 53-63	11.9	125
224	Finite-Control-Set Model Predictive Control With Improved Steady-State Performance. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 658-667	11.9	119
223	A multi-channel transmission schedule for remote state estimation under DoS attacks. *Automatica*, **2017**, 78, 194-201	5.7	111
222	On Kalman filtering over fading wireless channels with controlled transmission powers. *Automatica*, **2012**, 48, 1306-1316	5.7	111
221	Finite constraint set receding horizon quadratic control. *International Journal of Robust and Nonlinear Control*, **2004**, 14, 355-377	3.6	96
220	State Estimation Over Sensor Networks With Correlated Wireless Fading Channels. *IEEE Transactions on Automatic Control*, **2013**, 58, 581-593	5.9	93

219	Robust stability of packetized predictive control of nonlinear systems with disturbances and Markovian packet losses. *Automatica*, **2012**, 48, 1803-1811	5.7	89
218	Maximum Hands-Off Control: A Paradigm of Control Effort Minimization. *IEEE Transactions on Automatic Control*, **2016**, 61, 735-747	5.9	84
217	Packetized Predictive Control of Stochastic Systems Over Bit-Rate Limited Channels With Packet Loss. *IEEE Transactions on Automatic Control*, **2011**, 56, 2854-2868	5.9	75
216	Energy Efficient State Estimation With Wireless Sensors Through the Use of Predictive Power Control and Coding. *IEEE Transactions on Signal Processing*, **2010**, 58, 4811-4823	4.8	73
215	Control system design subject to SNR constraints. *Automatica*, **2010**, 46, 428-436	5.7	71
214	Architectures and coder design for networked control systems. *Automatica*, **2008**, 44, 248-257	5.7	69
213	Stability analysis of networked control systems subject to packet-dropouts and finite-level quantization. *Systems and Control Letters*, **2011**, 60, 325-332	2.4	65
212	Multiple-Loop Self-Triggered Model Predictive Control for Network Scheduling and Control. *IEEE Transactions on Control Systems Technology*, **2015**, 23, 2167-2181	4.8	63
211	Sparse Packetized Predictive Control for Networked Control Over Erasure Channels. *IEEE Transactions on Automatic Control*, **2014**, 59, 1899-1905	5.9	63
210	Sensor Scheduling in Variance Based Event Triggered Estimation With Packet Drops. *IEEE Transactions on Automatic Control*, **2017**, 62, 1880-1895	5.9	61
209	Stochastic Stability of Event-Triggered Anytime Control. *IEEE Transactions on Automatic Control*, **2014**, 59, 3373-3379	5.9	50
208	Switched Model Predictive Control for Improved Transient and Steady-State Performance. *IEEE Transactions on Industrial Informatics*, **2015**, 11, 968-977	11.9	47
207	Event-Triggered Quantized Communication-Based Distributed Convex Optimization. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 167-178	4	46
206	Predictive control, embedded cyberphysical systems and systems of systems A perspective. *Annual Reviews in Control*, **2016**, 41, 193-207	10.3	46
205	On stability and performance of finite control set MPC for power converters **2011**,		44
204	Control over unreliable networks affected by packet erasures and variable transmission delays. *IEEE Journal on Selected Areas in Communications*, **2008**, 26, 672-685	14.2	44
203	Towards Encrypted MPC for Linear Constrained Systems **2018**, 2, 195-200		42
202	Stability Analysis of Quadratic MPC With a Discrete Input Alphabet. *IEEE Transactions on Automatic Control*, **2013**, 58, 3190-3196	5.9	41

201	Predictive Control in Power Electronics and Drives: Basic Concepts, Theory, and Methods. *Studies in Computational Intelligence*, **2014**, 181-226	0.8	39
200	Power Control of an Energy Harvesting Sensor for Remote State Estimation. *IEEE Transactions on Automatic Control*, **2017**, 62, 277-290	5.9	38
199	Optimal Periodic Transmission Power Schedules for Remote Estimation of ARMA Processes. *IEEE Transactions on Signal Processing*, **2013**, 61, 6164-6174	4.8	37
198	On the Trade-Off Between Communication and Control Cost in Event-Triggered Dead-Beat Control. *IEEE Transactions on Automatic Control*, **2017**, 62, 2973-2980	5.9	35
197	Packetized MPC with dynamic scheduling constraints and bounded packet dropouts. *Automatica*, **2014**, 50, 784-797	5.7	35
196	Multistep optimal analog-to-digital conversion. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2005**, 52, 503-515		34
195	Deep reinforcement learning for wireless sensor scheduling in cyber-physical systems. *Automatica*, **2020**, 113, 108759	5.7	34
194	Predictive Control of a Flying Capacitor Converter. *Proceedings of the American Control Conference*, **2007**,	1.2	32
193	Transmission Scheduling for Remote State Estimation Over Packet Dropping Links in the Presence of an Eavesdropper. *IEEE Transactions on Automatic Control*, **2019**, 64, 3732-3739	5.9	31
192	DeepCAS: A Deep Reinforcement Learning Algorithm for Control-Aware Scheduling **2018**, 2, 737-742		30
191	A Game-Theoretic Approach to Fake-Acknowledgment Attack on Cyber-Physical Systems. *IEEE Transactions on Signal and Information Processing Over Networks*, **2017**, 3, 1-11	2.8	30
190	Encrypted Cooperative Control Based on Structured Feedback **2019**, 3, 37-42		29
189	Secure State Estimation Against Integrity Attacks: A Gaussian Mixture Model Approach. *IEEE Transactions on Signal Processing*, **2019**, 67, 194-207	4.8	29
188	Predictive speed control of a synchronous permanent magnet motor **2009**,		27
187	Packetized Predictive Control over Erasure Channels. *Proceedings of the American Control Conference*, **2007**,	1.2	27
186	Distortion Minimization in Multi-Sensor Estimation Using Energy Harvesting and Energy Sharing. *IEEE Transactions on Signal Processing*, **2015**, 63, 2848-2863	4.8	26
185	Speed control of a permanent magnet synchronous motor using predictive current control **2009**,		26
184	On Optimal Perfect Reconstruction Feedback Quantizers. *IEEE Transactions on Signal Processing*, **2008**, 56, 3871-3890	4.8	26

183	Data-driven power control for state estimation: A Bayesian inference approach. *Automatica*, **2015**, 54, 332-339	5.7	25
182	Stability of Sequence-Based Control With Random Delays and Dropouts. *IEEE Transactions on Automatic Control*, **2014**, 59, 1296-1302	5.9	25
181	Power Control and Coding Formulation for State Estimation With Wireless Sensors. *IEEE Transactions on Control Systems Technology*, **2014**, 22, 413-427	4.8	25
180	Sequence-Based Anytime Control. *IEEE Transactions on Automatic Control*, **2013**, 58, 377-390	5.9	25
179	Transmission scheduling for remote state estimation and control with an energy harvesting sensor. *Automatica*, **2018**, 91, 54-60	5.7	24
178	Kalman Filtering With Relays Over Wireless Fading Channels. *IEEE Transactions on Automatic Control*, **2016**, 61, 1643-1648	5.9	23
177	An Optimal Transmission Strategy for Kalman Filtering Over Packet Dropping Links With Imperfect Acknowledgements. *IEEE Transactions on Control of Network Systems*, **2014**, 1, 259-271	4	23
176	Multistep direct model predictive control for power electronics Part 2: Analysis **2013**,		23
175	Stochastic Game in Remote Estimation Under DoS Attacks **2017**, 1, 146-151		22
174	Optimal Control of Linear Systems With Limited Control Actions: Threshold-Based Event-Triggered Control. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 1275-1286	4	22
173	Controller and Scheduler Codesign for Feedback Control Over IEEE 802.15.4 Networks. *IEEE Transactions on Control Systems Technology*, **2016**, 24, 2016-2030	4.8	22
172	How Good is Quantized Model Predictive Control With Horizon One?. *IEEE Transactions on Automatic Control*, **2011**, 56, 2623-2638	5.9	21
171	Characterization of maximum hands-off control. *Systems and Control Letters*, **2016**, 94, 31-36	2.4	20
170	On the stability and robustness of model predictive direct current control **2013**,		20
169	DoS Attacks on Remote State Estimation With Asymmetric Information. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 653-666	4	20
168	Jamming attack on Cyber-Physical Systems: A game-theoretic approach **2013**,		19
167	Multistep direct model predictive control for power electronics Part 1: Algorithm **2013**,		19
166	Finite control set MPC of an AFE rectifier with dynamic references **2010**,		19

165	Tradeoffs in Stochastic Event-Triggered Control. *IEEE Transactions on Automatic Control*, **2019**, 64, 2567-2574	3.9	19
164	Self-Triggered Model Predictive Control for Network Scheduling and Control1. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 432-438		18
163	Sparse Representations for Packetized Predictive Networked Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 84-89		17
162	A predictive power control scheme for energy efficient state estimation via wireless sensor networks **2008**,		17
161	Design of modulated and demodulated controllers for flexible structures. *Control Engineering Practice*, **2007**, 15, 377-388	3.9	17
160	Steady-state issues with finite control set model predictive control **2009**,		16
159	On the optimality of threshold policies in event triggered estimation with packet drops **2015**,		14
158	Quantization of Filter Bank Frame Expansions Through Moving Horizon Optimization. *IEEE Transactions on Signal Processing*, **2009**, 57, 503-515	4.8	14
157	Adaptive controller placement for wireless sensor–actuator networks with erasure channels. *Automatica*, **2013**, 49, 3458-3466	5.7	13
156	Online sensor transmission power schedule for remote state estimation **2013**,		13
155	Subband coding for networked control systems. *International Journal of Robust and Nonlinear Control*, **2009**, 19, 1817-1836	3.6	13
154	Fast multistep finite control set model predictive control for transient operation of power converters **2016**,		13
153	Capacitor voltage estimation for predictive control algorithm of flying capacitor converters **2009**,		12
152	Analysis and design of networked control systems using the additive noise model methodology. *Asian Journal of Control*, **2010**, 12, n/a-n/a	1.7	12
151	Optimal coding for bit-rate limited networked control systems in the presence of data loss **2007**,		12
150	Moving horizon design of discrete coefficient FIR filters. *IEEE Transactions on Signal Processing*, **2005**, 53, 2262-2267	4.8	12
149	Discrete-time hands-off control by sparse optimization. *Eurasip Journal on Advances in Signal Processing*, **2016**, 2016,	1.9	12
148	Event-triggered distributed constrained consensus. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 3043-3060	3.6	11

147	Stabilizing Stochastic Predictive Control Under Bernoulli Dropouts. *IEEE Transactions on Automatic Control*, **2018**, 63, 1579-1590	5.9	11
146	Shaped Gaussian Dictionaries for Quantized Networked Control Systems With Correlated Dropouts. *IEEE Transactions on Signal Processing*, **2016**, 64, 203-213	4.8	11
145	Generalized Predictive Direct Power Control for AC/DC converters **2013**,		11
144	State estimation over Markovian packet dropping links in the presence of an eavesdropper **2017**,		11
143	Maximum hands-off control and L1 optimality **2013**,		11
142	Packetized predictive control for rate-limited networks via sparse representation **2012**,		11
141	Simple coding for achieving mean square stability over bit-rate limited channels **2008**,		11
140	Defensive deception against reactive jamming attacks in remote state estimation. *Automatica*, **2020**, 113, 108680	5.7	11
139	Remote State Estimation in the Presence of an Active Eavesdropper. *IEEE Transactions on Automatic Control*, **2021**, 66, 229-244	5.9	11
138	Optimal Energy Allocation in Multisensor Estimation Over Wireless Channels Using Energy Harvesting and Sharing. *IEEE Transactions on Automatic Control*, **2019**, 64, 4337-4344	5.9	10
137	Sparse and constrained stochastic predictive control for networked systems. *Automatica*, **2018**, 87, 40-51	5.7	10
136	Limitations and Accuracy of a Continuous Reduced-Order Model for Modular Multilevel Converters. *IEEE Transactions on Power Electronics*, **2018**, 33, 6292-6303	7.2	10
135	On Remote State Estimation in the Presence of an Eavesdropper. *IFAC-PapersOnLine*, **2017**, 50, 7339-7344	0.7	10
134	Compressive sampling for networked feedback control **2012**,		10
133	Predictive control algorithm robustness for achieving fault tolerance in multicell converters **2008**,		10
132	A brief introduction to the analysis and design of Networked Control Systems **2008**,		10
131	Multistep Detector for Linear ISI-Channels Incorporating Degrees of Belief in Past Estimates. *IEEE Transactions on Communications*, **2007**, 55, 2092-2103	6.9	10
130	Stabilizing Scheduling Policies for Networked Control Systems. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 163-175	4	10

129	An introduction to the control of switching electronic systems. *Annual Reviews in Control*, **2010**, 34, 209-220	2.3	9
128	A Vector Quantization Approach to Scenario Generation for Stochastic NMPC. *Lecture Notes in Control and Information Sciences*, **2009**, 235-248	0.5	9
127	Encrypted cloud-based MPC for linear systems with input constraints. *IFAC-PapersOnLine*, **2018**, 51, 535-542	0.7	9
126	On the Use of Artificial Noise for Secure State Estimation in the Presence of Eavesdroppers **2018**,		9
125	Co-design of jump estimators and transmission policies for wireless multi-hop networks with fading channels. *Automatica*, **2017**, 81, 68-74	5.7	8
124	Dual-stage model predictive control for Flying Capacitor Converters **2013**,		8
123	Fake-acknowledgment attack on ACK-based sensor power schedule for remote state estimation **2015**,		8
122	To wait or to drop: On the optimal number of retransmissions in wireless control **2015**,		8
121	Real-Time Perceptual Moving-Horizon Multiple-Description Audio Coding. *IEEE Transactions on Signal Processing*, **2011**, 59, 4286-4299	4.8	8
120	Optimal Controller Design for Networked Control Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 5167-5172		8
119	Conditions for optimality of Naïve quantized finite horizon control. *International Journal of Control*, **2007**, 80, 706-720	1.5	8
118	Enabling Multistep Model Predictive Control for Transient Operation of Power Converters. *IEEE Open Journal of the Industrial Electronics Society*, **2020**, 1, 284-297	3.6	8
117	Stochastic MPC with applications to process control. *International Journal of Control*, **2015**, 88, 792-800	1.5	7
116	Robust stability of a class of Networked Control Systems. *Automatica*, **2016**, 73, 117-124	5.7	7
115	On Network Topology Reconfiguration for Remote State Estimation. *IEEE Transactions on Automatic Control*, **2016**, 61, 3842-3856	5.9	7
114	Multi-sensor transmission power scheduling for remote state estimation under SINR model **2014**,		7
113	A Stochastic Model Predictive Controller for Systems with Unreliable Communications. *IFAC-PapersOnLine*, **2015**, 48, 57-64	0.7	7
112	Control over erasure channels: stochastic stability and performance of packetized unconstrained model predictive control. *International Journal of Robust and Nonlinear Control*, **2013**, 23, 1151-1167	3.6	7

111	Event-Based Transmission Scheduling and LQG Control Over a Packet Dropping Link. *IFAC-PapersOnLine*, **2017**, 50, 8945-8950	0.7	7
110	Reference design for predictive control of modular multilevel converters **2014**,		7
109	Design of Embedded Filters for Inner-Loop Power Control in Wireless CDMA Communication Systems. *Asian Journal of Control*, **2012**, 14, 891-900	1.7	7
108	Opportunities and challenges in the application of advanced control to power electronics and drives **2010**,		7
107	On stability of finite control set mpc strategy for multicell converters **2010**,		7
106	SPC02-2: Joint Data Detection and Channel Estimation for MIMO-OFDM Systems via EM Algorithm and Sphere Decoding. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		7
105	Encrypted Control for Networked Systems: An Illustrative Introduction and Current Challenges. *IEEE Control Systems*, **2021**, 41, 58-78	2.9	7
104	Anytime Control Using Input Sequences With Markovian Processor Availability. *IEEE Transactions on Automatic Control*, **2015**, 60, 515-521	5.9	6
103	Combined control and communication scheduling for constrained system using robust output feedback MPC **2019**,		6
102	Co-design for control and scheduling over wireless industrial control networks **2015**,		6
101	A switched Model Predictive Control formulation for Flying Capacitor Converters **2012**,		6
100	On the use of a relay for Kalman filtering over packet dropping links **2013**,		6
99	On the stability of MPC with a Finite Input Alphabet. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 7975-7980		6
98	On Stochastic Stability of Packetized Predictive Control of Non-linear Systems over Erasure Channels*. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 557-562		6
97	Optimal noise shaping for Networked Control Systems **2007**,		6
96	Stochastic predictive control under intermittent observations and unreliable actions. *Automatica*, **2020**, 118, 109012	5.7	6
95	Encryption scheduling for remote state estimation under an operation constraint. *Automatica*, **2021** , 127, 109537	5.7	6
94	Stability Analysis of Event-Triggered Anytime Control With Multiple Control Laws. *IEEE Transactions on Automatic Control*, **2019**, 64, 420-426	5.9	6

93	Validation of a reduced order model for modular multilevel converters and analysis of circulating current **2015**,		5
92	Optimal event-triggered transmission scheduling for privacy-preserving wireless state estimation. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 4205-4224	3.6	5
91	Predictive direct power control for grid connected power converters with dc-link voltage dynamic reference design **2015**,		5
90	Recent Developments in Networked Control and Estimation. *IET Control Theory and Applications*, **2014**, 8, 2123-2125	2.5	5
89	RECEDING HORIZON LINEAR QUADRATIC CONTROL WITH FINITE INPUT CONSTRAINT SETS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2002**, 35, 183-188		5
88	Model Predictive Control for Power Electronics Applications. *Control Engineering*, **2019**, 551-580	1	5
87	Information Bounds for State Estimation in the Presence of an Eavesdropper **2019**, 3, 547-552		4
86	Optimal transmission policies for variance based event triggered estimation with an energy harvesting sensor **2016**,		4
85	Pricing and Selection of Channels for Remote State Estimation Using a Stackelberg Game Framework. *IEEE Transactions on Signal and Information Processing Over Networks*, **2019**, 5, 657-668	2.8	4
84	Output Feedback Stable Stochastic Predictive Control With Hard Control Constraints **2017**, 1, 382-387		4
83	Performance Analysis of Event-Triggered Control Systems with A Probabilistic Triggering Mechanism: The Scalar Case. *IFAC-PapersOnLine*, **2017**, 50, 10084-10089	0.7	4
82	Dynamic Controller Allocation for Control over Erasure Channels*. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 61-66		4
81	OFDMA Uplink PAR Reduction via Tone Reservation **2007**,		4
80	Multi-step optimal quantization in oversampled filter banks **2004**,		4
79	On the design of control systems over unreliable channels **2009**,		4
78	Multiple descriptions for packetized predictive control. *Eurasip Journal on Advances in Signal Processing*, **2016**, 2016,	1.9	4
77	Finite Time Encryption Schedule in the Presence of an Eavesdropper with Operation Cost **2019**,		4
76	Deep reinforcement learning for scheduling in large-scale networked control systems. *IFAC-PapersOnLine*, **2019**, 52, 333-338	0.7	4

75	Predictive control for networked systems affected by correlated packet loss. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 5078-5094	3.6	4
74	An H∞ suboptimal robust control approach for systems with uncertainties and data dropouts. *International Journal of Systems Science*, **2015**, 46, 1971-1981	2.3	3
73	Transmission Power Scheduling for Energy Harvesting Sensor in Remote State Estimation. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 122-127		3
72	Multiple Description Coding for Closed Loop Systems over Erasure Channels **2013**,		3
71	Improved results on transmission power control for remote state estimation. *Systems and Control Letters*, **2017**, 107, 44-48	2.4	3
70	Resource efficient stochastic predictive control under packet dropouts. *IET Control Theory and Applications*, **2017**, 11, 1666-1673	2.5	3
69	Correction to Packetized Predictive Control of Stochastic Systems Over Bit-Rate Limited Channels With Packet Loss *IEEE Transactions on Automatic Control*, **2013**, 58, 1869-1872	5.9	3
68	Stability of State Estimation over Sensor Networks with Markovian Fading Channels*. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 12451-12456		3
67	On anytime control of nonlinear processes through calculation of control sequences **2010**,		3
66	On a Control Lyapunov Function based Anytime Algorithm for Control of Nonlinear Processes. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 85-90		3
65	Stability Analysis of Networked Control Systems Subjected to Packet-dropouts and Finite Level Quantization. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2010**, 43, 43-48		3
64	A complex-baseband active-set approach for tone reservation PAR reduction in OFDM systems **2008**,		3
63	Design of Multiple Actuator-Link Control Systems with Packet Dropouts. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 6642-6647		3
62	AN IMPROVED ARCHITECTURE FOR NETWORKED CONTROL SYSTEMS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 550-555		3
61	Predictive Power Control of Wireless Sensor Networks for Closed Loop Control. *Lecture Notes in Control and Information Sciences*, **2009**, 215-224	0.5	3
60	Dropout feedback parametrized policies for stochastic predictive controller. *IFAC-PapersOnLine*, **2016**, 49, 59-64	0.7	3
59	Asynchronous Stochastic Approximations With Asymptotically Biased Errors and Deep Multiagent Learning. *IEEE Transactions on Automatic Control*, **2021**, 66, 3969-3983	5.9	3
58	Stable stochastic predictive controller under unreliable up-link **2016**,		2

57	Performance vs complexity trade-offs for Markovian networked jump estimators. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 7412-7417		2
56	Improved stability conditions for unconstrained nonlinear model predictive control by using additional weighting terms **2012**,		2
55	Predictive control of an Asymmetric Multicell Converter with floating cells **2010**,		2
54	Stochastic stability and performance estimates of packetized unconstrained model predictive control for networked control systems **2011**,		2
53	Sparse command generator for remote control **2011**,		2
52	Low delay moving-horizon multiple-description audio coding forwireless hearing aids **2009**,		2
51	A unifying framework for stability in MPC using a generalized integral terminal cost **2012**,		2
50	Networked PID control **2006**,		2
49	PERFORMANCE LIMITS IN MULTI-CHANNEL NETWORKED CONTROL SYSTEM ARCHITECTURES. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2007**, 40, 160-165		2
48	Predictive Current Control Strategy with Imposed Load Current Spectrum **2006**,		2
47	Moving horizon Monte Carlo state estimation for linear systems with output quantization **2003**,		2
46	Optimal Control of Energy Resources for State Estimation Over Wireless Channels. *Springer Briefs in Electrical and Computer Engineering*, **2018**,	0.4	2
45	Threshold optimization of event-triggered multi-loop control systems **2016**,		2
44	A secure cross-layer design for remote estimation under DoS attack: When multi-sensor meets multi-channel **2016**,		2
43	Remote State Estimation with Smart Sensors over Markov Fading Channels. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	2
42	Energy-Aware Radio Chip Management for Wireless Control. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 2121-2134	4.8	1
41	Game-theoretic pricing and selection with fading channels **2017**,		1
40	Network Topology Reconfiguration for State Estimation Over Sensor Networks With Correlated Packet Drops. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 5532-5537		1

39	Collaborative processing in distributed control for resource constrained systems. *IET Control Theory and Applications*, **2017**, 11, 1796-1806	2.5	1
38	Sparsity-promoting iterative learning control for resource-constrained control systems **2017**,		1
37	Predictive Control in the Era of Networked Control and Communication - a Perspective. *IFAC-PapersOnLine*, **2015**, 48, 322-331	0.7	1
36	Robustness of networked control systems with multiple actuator-links and bounded packet dropouts **2013**,		1
35	On Kalman Filtering with Fading Wireless Channels Governed by Power Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2011**, 44, 6586-6591		1
34	Innovations-based state estimation with wireless sensor networks **2009**,		1
33	Quantized predictive control over erasure channels **2009**,		1
32	Predictive power control and multiple-description coding for wireless sensor networks **2009**,		1
31	EM-Based Receiver Design for Uplink MIMO-OFDMA Systems **2008**,		1
30	Conditions for optimality of scalar feedback quantization. *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, **2008**,	1.6	1
29	On Networked Control Architectures for MIMO Plants. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 8044-8049		1
28	On extended state estimation for nonlinear uncertain systems with round-robin protocol. *Automatica*, **2022**, 138, 110154	5.7	1
27	Unified approach to controller and MMSE estimator design with intermittent communications **2016** ,		1
26	A Game-Theoretic Approach to Jamming Attacks on Remote State Estimation in Cyber-Physical Systems **2016**, 3-30		1
25	On noise-to-state stability of stochastic discrete-time systems via finite-step Lyapunov functions **2019**,		1
24	Adaptive Resilient Control of Cyber-Physical Systems under Actuator and Sensor Attacks. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	1
23	Distributed optimization over time-varying networks with stochastic information delays. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
22	Anytime Control under Practical Communication Models. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1

21	Behavioral Economics for Human-in-the-Loop Control Systems Design: Overconfidence and the Hot Hand Fallacy. *IEEE Control Systems*, **2020**, 40, 57-76	2.9	1
20	Controllability of Discrete-time Networked Control Systems with Try Once Discard Protocol. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 3758-3763		0
19	Stealthy hacking and secrecy of controlled state estimation systems with random dropouts. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	0
18	On periodic scheduling and control for networked systems under random data loss. *IEEE Transactions on Control of Network Systems*, **2021**, 1-1	4	0
17	Privacy-Preserving Correlated Data Publication: Privacy Analysis and Optimal Noise Design. *IEEE Transactions on Network Science and Engineering*, **2021**, 8, 2014-2024	4.9	0
16	Coding for secrecy in remote state estimation with an adversary. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	0
15	Optimal Power Allocation for Kalman Filtering over Fading Channels. *Springer Briefs in Electrical and Computer Engineering*, **2018**, 9-34	0.4	
14	Optimal Transmission Scheduling for Event-Triggered Estimation with Packet Drops. *Springer Briefs in Electrical and Computer Engineering*, **2018**, 35-64	0.4	
13	Optimal Transmission Strategies for Remote State Estimation. *Springer Briefs in Electrical and Computer Engineering*, **2018**, 65-83	0.4	
12	Remote State Estimation in Multi-hop Networks. *Springer Briefs in Electrical and Computer Engineering*, **2018**, 85-123	0.4	
11	Technical Committee on Networks and Communication Systems [Technical Activities]. *IEEE Control Systems*, **2016**, 36, 13-15	2.9	
10	Call for Papers: Special issue of international journal of robust and nonlinear control: Stochastic predictive control. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 3670-3670	3.6	
9	Controller Design for Networked Control Systems Affected by Correlated Packet Losses. *IFAC-PapersOnLine*, **2017**, 50, 2555-2560	0.7	
8	Quantization issues in signal processing & control system design. *Australian Journal of Electrical and Electronics Engineering*, **2005**, 2, 127-139	0.6	
7	Fast hands-off control using ADMM real-time iterations. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	
6	Ausgewählte Beiträge des GMA-Fachausschusses 1.50. *Automatisierungstechnik*, **2019**, 67, 988-989	0.8	
5	Guest Editorial Model Predictive Control in Energy Conversion Systems. *IEEE Transactions on Energy Conversion*, **2021**, 36, 1311-1312	5.4	
4	Robust MPC for networks with varying communication capabilities. *IFAC-PapersOnLine*, **2021**, 54, 20-27	0.7	

3	Remote State Estimation in the Presence of an Eavesdropper. *Lecture Notes in Control and Information Sciences*, **2021**, 231-256	0.5
2	Technical Committee on Networks and Communication Systems [Technical Activities]. *IEEE Control Systems*, **2018**, 38, 18-19	2.9
1	Q-Adaptive Control of the Nonlinear Dynamics of the Cantilever-Sample System of an Atomic Force Microscope. *IEEE Latin America Transactions*, **2018**, 16, 2400-2408	0.7