

Tongwen Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3209259/tongwen-chen-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

378 papers	17,940 citations	70 h-index	125 g-index
447 ext. papers	22,404 ext. citations	3.9 avg, IF	7.34 L-index

#	Paper	IF	Citations
378	A new delay system approach to network-based control. <i>Automatica</i> , 2008 , 44, 39-52	5.7	892
377	Optimal Sampled-Data Control Systems 1995 ,		801
376	A new method for stabilization of networked control systems with random delays. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1177-1181	5.9	564
375	New Results on Stability of Discrete-Time Systems With Time-Varying State Delay. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 328-334	5.9	479
374	\mathcal{H}_∞ Estimation for Uncertain Systems With Limited Communication Capacity. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 2070-2084	5.9	440
373	Event based agreement protocols for multi-agent networks. <i>Automatica</i> , 2013 , 49, 2125-2132	5.7	379
372	Robust H_∞ filtering for uncertain Markovian jump systems with mode-dependent time delays. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 900-907	5.9	366
371	Gradient based iterative algorithms for solving a class of matrix equations. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1216-1221	5.9	326
370	Iterative least-squares solutions of coupled Sylvester matrix equations. <i>Systems and Control Letters</i> , 2005 , 54, 95-107	2.4	297
369	Design of Networked Control Systems With Packet Dropouts. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1314-1319	5.9	296
368	Identification of Hammerstein nonlinear ARMAX systems. <i>Automatica</i> , 2005 , 41, 1479-1489	5.7	290
367	Network-Based \mathcal{H}_∞ Output Tracking Control. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 655-667	5.9	289
366	Robust H_∞ control for uncertain stochastic systems with state delay. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 2089-2094	5.9	273
365	On Iterative Solutions of General Coupled Matrix Equations. <i>SIAM Journal on Control and Optimization</i> , 2006 , 44, 2269-2284	1.9	260
364	Stabilization of Networked Control Systems With a New Delay Characterization. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2142-2148	5.9	259
363	A new approach to quantized feedback control systems. <i>Automatica</i> , 2008 , 44, 534-542	5.7	247
362	Hierarchical gradient-based identification of multivariable discrete-time systems. <i>Automatica</i> , 2005 , 41, 315-325	5.7	243

361	Performance analysis of multi-innovation gradient type identification methods. <i>Automatica</i> , 2007 , 43, 1-14	5.7	235
360	Hierarchical least squares identification methods for multivariable systems. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 397-402	5.9	234
359	Stabilization of Nonlinear Systems Under Variable Sampling: A Fuzzy Control Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2007 , 15, 972-983	8.3	202
358	Combined parameter and output estimation of dual-rate systems using an auxiliary model. <i>Automatica</i> , 2004 , 40, 1739-1748	5.7	202
357	Auxiliary model-based least-squares identification methods for Hammerstein output-error systems. <i>Systems and Control Letters</i> , 2007 , 56, 373-380	2.4	190
356	Reconstruction of continuous-time systems from their non-uniformly sampled discrete-time systems. <i>Automatica</i> , 2009 , 45, 324-332	5.7	188
355	Optimal filtering with random sensor delay, multiple packet dropout and uncertain observations. <i>International Journal of Control</i> , 2007 , 80, 292-301	1.5	163
354	. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 495-503	4.8	162
353	Hierarchical identification of lifted state-space models for general dual-rate systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 1179-1187		160
352	H ₂ design of general multirate sampled-data control systems. <i>Automatica</i> , 1994 , 30, 1139-1152	5.7	159
351	Input-output stability of sampled-data systems. <i>IEEE Transactions on Automatic Control</i> , 1991 , 36, 50-58	5.9	154
350	Robust fault detection with missing measurements. <i>International Journal of Control</i> , 2008 , 81, 804-819	1.5	146
349	IMC design for unstable processes with time delays. <i>Journal of Process Control</i> , 2003 , 13, 203-213	3.9	140
348	Optimal \mathcal{H}_2 Filtering in Networked Control Systems With Multiple Packet Dropout. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 1508-1513	5.9	139
347	Passivity and Passification for Networked Control Systems. <i>SIAM Journal on Control and Optimization</i> , 2007 , 46, 1299-1322	1.9	126
346	. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1436-1441	5.9	126
345	Event-triggered maximum likelihood state estimation. <i>Automatica</i> , 2014 , 50, 247-254	5.7	124
344	\mathcal{H}_∞ Fuzzy Control of Nonlinear Systems Under Unreliable Communication Links. <i>IEEE Transactions on Fuzzy Systems</i> , 2009 , 17, 265-278	8.3	123

343	. <i>IEEE Transactions on Automatic Control</i> , 1991 , 36, 387-397	5.9	122
342	Optimal H ₂ filtering in networked control systems with multiple packet dropouts. <i>Systems and Control Letters</i> , 2008 , 57, 696-702	2.4	121
341	An Overview of Industrial Alarm Systems: Main Causes for Alarm Overloading, Research Status, and Open Problems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 1045-1061	4.9	117
340	H ₂ output feedback control for uncertain stochastic systems with time-varying delays. <i>Automatica</i> , 2004 , 40, 2091-2098	5.7	116
339	Identification of fast-rate models from multirate data. <i>International Journal of Control</i> , 2001 , 74, 680-689	1.5	112
338	Voltage Stability Monitoring Based on the Concept of Coupled Single-Port Circuit. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 2154-2163	7	109
337	Comparison of some well-known PID tuning formulas. <i>Computers and Chemical Engineering</i> , 2006 , 30, 1416-1423	4	108
336	Optimal Sampling and Performance Comparison of Periodic and Event Based Impulse Control. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 3252-3259	5.9	107
335	An event-triggered approach to state estimation with multiple point- and set-valued measurements. <i>Automatica</i> , 2014 , 50, 1641-1648	5.7	105
334	Analysis and control of a nonlinear boiler-turbine unit. <i>Journal of Process Control</i> , 2005 , 15, 883-891	3.9	105
333	Robust H ₂ filtering for uncertain impulsive stochastic systems under sampled measurements. <i>Automatica</i> , 2003 , 39, 509-516	5.7	103
332	Robust H ₂ control for uncertain discrete stochastic time-delay systems. <i>Systems and Control Letters</i> , 2004 , 51, 203-215	2.4	99
331	Performance bounds of forgetting factor least-squares algorithms for time-varying systems with finite measurement data. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 555-566		98
330	Direct Causality Detection via the Transfer Entropy Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 2052-2066	4.8	95
329	Reduced-order H ₂ /sub /spl infin// filtering for stochastic systems. <i>IEEE Transactions on Signal Processing</i> , 2002 , 50, 2998-3007	4.8	91
328	Gradient-Based Identification Methods for Hammerstein Nonlinear ARMAX Models. <i>Nonlinear Dynamics</i> , 2006 , 45, 31-43	5	89
327	Detection Against Linear Deception Attacks on Multi-Sensor Remote State Estimation. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 846-856	4	88
326	Improved correlation analysis and visualization of industrial alarm data. <i>ISA Transactions</i> , 2012 , 51, 499-506	5.6	85

325	Event triggered robust filter design for discrete-time systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 104-113	2.5	85
324	Data-driven predictive control for solid oxide fuel cells. <i>Journal of Process Control</i> , 2007 , 17, 103-114	3.9	82
323	Identification of dual-rate systems based on finite impulse response models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2004 , 18, 589-598	2.8	82
322	A Parameter-Dependent Approach to Robust H_{∞} Filtering for Time-Delay Systems. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2420-2425	5.9	81
321	Performance analysis of estimation algorithms of nonstationary ARMA processes. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 1041-1053	4.8	79
320	Adaptive Digital Control of Hammerstein Nonlinear Systems with Limited Output Sampling. <i>SIAM Journal on Control and Optimization</i> , 2007 , 45, 2257-2276	1.9	77
319	A new design of robust filters for uncertain systems. <i>Systems and Control Letters</i> , 2008 , 57, 585-593	2.4	76
318	On expected detection delays for alarm systems with deadbands and delay-timers. <i>Journal of Process Control</i> , 2011 , 21, 1318-1331	3.9	75
317	Delay-dependent robust stability and control for jump linear systems with delays. <i>Systems and Control Letters</i> , 2006 , 55, 939-948	2.4	75
316	Pattern matching of alarm flood sequences by a modified Smith-Waterman algorithm. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 1085-1094	5.5	74
315	Multi-rate stochastic H ₂ filtering for networked multi-sensor fusion. <i>Automatica</i> , 2010 , 46, 437-444	5.7	74
314	Complex emergent dynamics of anisotropic swarms: Convergence vs oscillation. <i>Chaos, Solitons and Fractals</i> , 2006 , 30, 875-885	9.3	74
313	An LMI approach to the H_{∞} filter design for uncertain systems with distributed delays. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 195-201		72
312	Similarity Analysis of Industrial Alarm Flood Data. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 452-457	4.9	70
311	. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1275-1290	5.9	70
310	Stabilization of remote control systems with unknown time varying delays by LMI techniques. <i>International Journal of Control</i> , 2006 , 79, 752-763	1.5	70
309	Robust H_{∞} control for uncertain discrete-time systems with time-varying delays via exponential output feedback controllers. <i>Systems and Control Letters</i> , 2004 , 51, 171-183	2.4	70
308	. <i>IEEE Transactions on Signal Processing</i> , 2005 , 53, 3764-3772	4.8	70

307	Performance Assessment and Design for Univariate Alarm Systems Based on FAR, MAR, and AAD. <i>IEEE Transactions on Automation Science and Engineering</i> , 2012 , 9, 296-307	4.9	69
306	Analysis of dual-rate inferential control systems. <i>Automatica</i> , 2002 , 38, 1053-1059	5.7	69
305	Nonlinear diffusion with multiple edginess thresholds. <i>Pattern Recognition</i> , 1994 , 27, 1029-1037	7.7	69
304	Bias compensation based recursive least-squares identification algorithm for MISO systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 349-353		68
303	Generalized predictive control for non-uniformly sampled systems. <i>Journal of Process Control</i> , 2002 , 12, 875-885	3.9	68
302	Continuous-time model identification of fractional-order models with time delays. <i>IET Control Theory and Applications</i> , 2011 , 5, 900-912	2.5	67
301	Design of multirate filter banks by ℓ_1 optimization. <i>IEEE Transactions on Signal Processing</i> , 1995 , 43, 2822-2830	4.8	67
300	Multirate sampled-data systems: computing fast-rate models. <i>Journal of Process Control</i> , 2004 , 14, 79-88	3.9	66
299	Sampled-data consensus in switching networks of integrators based on edge events. <i>International Journal of Control</i> , 2015 , 88, 391-402	1.5	65
298	Optimal Linear State Estimator With Multiple Packet Dropouts. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1428-1433	5.9	65
297	Synchronous Hybrid Event- and Time-Driven Consensus in Multiagent Networks With Time Delays. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1165-74	10.2	63
296	Stabilization of Networked Control Systems via Dynamic Output-Feedback Controllers. <i>SIAM Journal on Control and Optimization</i> , 2010 , 48, 3643-3658	1.9	63
295	Adaptive output feedback control of general MIMO systems using multirate sampling and its application to a cart-pole system. <i>Automatica</i> , 2007 , 43, 2077-2085	5.7	63
294	False Data Injection Attacks on Networked Control Systems: A Stackelberg Game Analysis. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3503-3509	5.9	62
293	Event-based state estimation of linear dynamic systems with unknown exogenous inputs. <i>Automatica</i> , 2016 , 69, 275-288	5.7	61
292	A technique for optimal digital redesign of analog controllers. <i>IEEE Transactions on Control Systems Technology</i> , 1997 , 5, 89-99	4.8	58
291	On Finite-State Stochastic Modeling and Secure Estimation of Cyber-Physical Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 65-80	5.9	57
290	Multirate crosstalk identification in xDSL systems. <i>IEEE Transactions on Communications</i> , 2006 , 54, 1878-1886	5.9	57

289	Optimal filtering for multirate systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 228-232		57
288	. <i>IEEE Transactions on Control Systems Technology</i> , 2003 , 11, 43-51	4.8	57
287	Methods for root cause diagnosis of plant-wide oscillations. <i>AIChE Journal</i> , 2014 , 60, 2019-2034	3.6	56
286	Sampled-Data Consensus for Multiple Double Integrators With Arbitrary Sampling. <i>IEEE Transactions on Automatic Control</i> , 2012 , 57, 3230-3235	5.9	56
285	Least squares based self-tuning control of dual-rate systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2004 , 18, 697-714	2.8	55
284	. <i>IEEE Transactions on Control Systems Technology</i> , 2002 , 10, 735-742	4.8	55
283	On the 2-induced norm of a sampled-data system. <i>Systems and Control Letters</i> , 1990 , 15, 211-219	2.4	52
282	Multi-rate optimal state estimation. <i>International Journal of Control</i> , 2009 , 82, 2059-2076	1.5	51
281	Multimodel analysis and controller design for nonlinear processes. <i>Computers and Chemical Engineering</i> , 2004 , 28, 2667-2675	4	51
280	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 2506-2511	5.9	47
279	Sampled-data consensus in multi-agent systems with asynchronous hybrid event-time driven interactions. <i>Systems and Control Letters</i> , 2016 , 89, 24-34	2.4	46
278	Event detection and control co-design of sampled-data systems. <i>International Journal of Control</i> , 2014 , 87, 777-786	1.5	46
277	Multirate Minimum Variance Control Design and Control Performance Assessment: A Data-Driven Subspace Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2007 , 15, 65-74	4.8	46
276	. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 756-762	5.9	45
275	Estimation of alarm chattering. <i>Journal of Process Control</i> , 2011 , 21, 1243-1249	3.9	45
274	Self-organized motion in anisotropic swarms. <i>Journal of Control Theory and Applications</i> , 2003 , 1, 77-81		45
273	Robust H _∞ control for uncertain discrete-time stochastic bilinear systems with Markovian switching. <i>International Journal of Robust and Nonlinear Control</i> , 2005 , 15, 201-217	3.6	45
272	Ripple-free conditions for lifted multirate control systems. <i>Automatica</i> , 2001 , 37, 1637-1645	5.7	45

271	Study of generalized delay-timers in alarm configuration. <i>Journal of Process Control</i> , 2013 , 23, 382-395	3.9	44
270	Quantification of alarm chatter based on run length distributions. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 2550-2558	5.5	44
269	Graphical tools for routine assessment of industrial alarm systems. <i>Computers and Chemical Engineering</i> , 2012 , 46, 39-47	4	44
268	2-Norm Based Recursive Design of Transmultiplexers with Designable Filter Length. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 447-462	2.2	44
267	A Framework for Optimal Design of Alarm Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 651-656		43
266	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7290-7300	8.9	41
265	Adaptive Consensus in Leader-Following Networks of Heterogeneous Linear Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1169-1176	4	41
264	Connectivity preservation for multi-agent rendezvous with link failure. <i>Automatica</i> , 2012 , 48, 25-35	5.7	41
263	Event-based state estimation of discrete-state hidden Markov models. <i>Automatica</i> , 2016 , 65, 12-26	5.7	40
262	. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 855-867	4.8	40
261	Robust H _∞ Filtering For Uncertain Stochastic Time-Delay Systems. <i>Asian Journal of Control</i> , 2008 , 5, 364-373		40
260	An online method to remove chattering and repeating alarms based on alarm durations and intervals. <i>Computers and Chemical Engineering</i> , 2014 , 67, 43-52	4	39
259	Model predictive control for networked control systems. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 1016-1035	3.6	38
258	. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 537-550	5.9	37
257	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 446-451	4.9	36
256	A GRADIENT BASED ADAPTIVE CONTROL ALGORITHM FOR DUAL-RATE SYSTEMS. <i>Asian Journal of Control</i> , 2008 , 8, 314-323	1.7	36
255	An optimal scheme for fast rate fault detection based on multirate sampled data. <i>Journal of Process Control</i> , 2005 , 15, 307-319	3.9	36
254	Linear time-varying H ₂ -optimal control of sampled-data systems. <i>Automatica</i> , 1991 , 27, 963-974	5.7	36

253	Event-Triggered Optimal Dynamic Formation of Heterogeneous Affine Nonlinear Multiagent Systems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 497-512	5.9	36
252	Identification of Hammerstein systems without explicit parameterisation of non-linearity. <i>International Journal of Control</i> , 2009 , 82, 937-952	1.5	35
251	Robust Controller Design And Pid Tuning For Multivariable Processes. <i>Asian Journal of Control</i> , 2008 , 4, 439-451	1.7	35
250	H_{∞} Model Reduction in the Stochastic Framework. <i>SIAM Journal on Control and Optimization</i> , 2003 , 42, 1293-1309	1.9	35
249	Detection of Correlated Alarms Based on Similarity Coefficients of Binary Data. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 1014-1025	4.9	34
248	Optimal design of multichannel transmultiplexers with stopband energy and passband magnitude constraints. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2003 , 50, 659-662		34
247	A new method to detect and quantify correlated alarms with occurrence delays. <i>Computers and Chemical Engineering</i> , 2015 , 80, 189-198	4	32
246	New Design of Robust H_{∞} Filters for 2-D Systems. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 217-220	3.0	30
245	A New Scheme on Robust Observer-Based Control Design for Interconnected Systems With Application to an Industrial Utility Boiler. <i>IEEE Transactions on Control Systems Technology</i> , 2008 , 16, 539-547	4.8	30
244	A method for pattern mining in multiple alarm flood sequences. <i>Chemical Engineering Research and Design</i> , 2017 , 117, 831-839	5.5	29
243	Event-Based State Estimation. <i>Studies in Systems, Decision and Control</i> , 2016 ,	0.8	29
242	Event Based Pulse-Modulated Control of Linear Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2144-2150	5.9	29
241	Identification of linear dynamic systems operating in a networked environment. <i>Automatica</i> , 2009 , 45, 2763-2772	5.7	29
240	H_{∞} Filter design for discrete delay systems: a new parameter-dependent approach. <i>International Journal of Control</i> , 2009 , 82, 993-1005	1.5	29
239	Linear periodically time-varying discrete-time systems: Aliasing and LTI approximations. <i>Systems and Control Letters</i> , 1997 , 30, 225-235	2.4	28
238	Simultaneous stabilization with near-optimal H_2 performance. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1986-1998	5.9	28
237	A local alignment approach to similarity analysis of industrial alarm flood sequences. <i>Control Engineering Practice</i> , 2016 , 55, 13-25	3.9	28
236	An Intrusion Detection System for Cyber Attacks in Wireless Networked Control Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1049-1053	3.5	27

235	An online method for detection and reduction of chattering alarms due to oscillation. <i>Computers and Chemical Engineering</i> , 2013 , 54, 140-150	4	27
234	. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 83-94	4.8	27
233	Norm invariant discretization for sampled-data fault detection. <i>Automatica</i> , 2005 , 41, 1633-1637	5.7	27
232	Representations of linear periodically time-varying and multirate systems. <i>IEEE Transactions on Signal Processing</i> , 2002 , 50, 2221-2229	4.8	27
231	. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1998 , 45, 948-958		27
230	Design Considerations for Wireless Networked Control Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5547-5557	8.9	26
229	Iterative solutions of coupled discrete Markovian jump Lyapunov equations. <i>Computers and Mathematics With Applications</i> , 2008 , 55, 843-850	2.7	26
228	A Uniform Analysis on Input-to-State Stability of Decentralized Event-Triggered Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3423-3430	5.9	26
227	Event-triggered formation tracking control of nonholonomic mobile robots without velocity measurements. <i>Automatica</i> , 2020 , 112, 108671	5.7	25
226	A Tradeoff Approach for Optimal Event-Triggered Fault Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2111-2121	8.9	25
225	Effects of network communications on a class of learning controlled non-linear systemsView all notes. <i>International Journal of Systems Science</i> , 2009 , 40, 757-767	2.3	24
224	Closed-loop identification via output fast sampling. <i>Journal of Process Control</i> , 2004 , 14, 555-570	3.9	24
223	Process Monitoring for Multimodal Processes With Mode-Reachability Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4325-4335	8.9	23
222	Event-Triggered State Estimation With an Energy Harvesting Sensor. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4768-4775	5.9	23
221	An approach to fast rate fault detection for multirate sampled-data systems. <i>Journal of Process Control</i> , 2006 , 16, 651-658	3.9	23
220	Design of multichannel nonuniform transmultiplexers using general building blocks. <i>IEEE Transactions on Signal Processing</i> , 2001 , 49, 91-99	4.8	23
219	Pulse width modulation for multi-agent systems. <i>Automatica</i> , 2016 , 70, 173-178	5.7	23
218	Cause-effect analysis of industrial alarm variables using transfer entropies. <i>Control Engineering Practice</i> , 2017 , 64, 205-214	3.9	22

217	Online pattern matching and prediction of incoming alarm floods. <i>Journal of Process Control</i> , 2017 , 56, 69-78	3.9	22
216	A method to remove chattering alarms using median filters. <i>ISA Transactions</i> , 2018 , 73, 201-207	5.5	22
215	filtering for nonuniformly sampled systems: A Markovian jump systems approach. <i>Systems and Control Letters</i> , 2011 , 60, 871-876	2.4	22
214	Consensus in time-delayed multi-agent systems with quantized dwell times. <i>Systems and Control Letters</i> , 2017 , 104, 59-65	2.4	21
213	Self-triggered model predictive control for networked control systems based on first-order hold. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 1303-1318	3.6	21
212	Decentralized robust PI controller design for an industrial boiler. <i>Journal of Process Control</i> , 2009 , 19, 216-230	3.9	21
211	On impedance matching and maximum power transfer. <i>Electric Power Systems Research</i> , 2010 , 80, 1082-1088	3.9	21
210	Analysis and design of time-deadbands for univariate alarm systems. <i>Control Engineering Practice</i> , 2018 , 71, 96-107	3.9	21
209	Discovering Association Rules of Mode-Dependent Alarms From Alarm and Event Logs. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 971-983	4.8	19
208	On alias-component matrices of discrete-time linear periodically time-varying systems. <i>IEEE Signal Processing Letters</i> , 2001 , 8, 114-116	3.2	19
207	Framework for a smart data analytics platform towards process monitoring and alarm management. <i>Computers and Chemical Engineering</i> , 2018 , 114, 225-244	4	18
206	Joint Admittance Perturbation and Meter Protection for Mitigating Stealthy FDI Attacks Against Power System State Estimation. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1468-1478	7	18
205	Optimal periodic scheduling of sensor networks: A branch and bound approach. <i>Systems and Control Letters</i> , 2013 , 62, 732-738	2.4	17
204	An accelerated alignment method for analyzing time sequences of industrial alarm floods. <i>Journal of Process Control</i> , 2017 , 57, 102-115	3.9	17
203	Optimality and stability of event triggered consensus state estimation for wireless sensor networks 2014 ,		17
202	Tuning of fractional PI controllers for fractional order system models with and without time delays 2010 ,		17
201	Energy-based event-triggered state estimation for hidden Markov models. <i>Automatica</i> , 2017 , 79, 256-264	4.7	16
200	Nonuniform multirate filter banks: analysis and design with an $\frac{1}{N}$ H _{scr} performance measure. <i>IEEE Transactions on Signal Processing</i> , 1997 , 45, 572-582	4.8	16

- 199 Robust stabilization of nonlinear interconnected systems with application to an industrial utility boiler. *Control Engineering Practice*, **2007**, 15, 639-654 3.9 16
- 198 H₂ optimal sampled-data control: Computation and designs. *Automatica*, **1996**, 32, 223-228 5.7 16
- 197 Design of univariate alarm systems via rank order filters. *Control Engineering Practice*, **2017**, 59, 55-63 3.9 15
- 196 Decentralized robust output feedback control for control affine nonlinear interconnected systems. *Journal of Process Control*, **2009**, 19, 865-878 3.9 15
- 195 Efficient model-based leak detection in boiler steam-water systems. *Computers and Chemical Engineering*, **2002**, 26, 1643-1647 4 15
- 194 Event-Triggered Bipartite Consensus for Multiagent Systems: A Zeno-Free Analysis. *IEEE Transactions on Automatic Control*, **2020**, 65, 4866-4873 5.9 15
- 193 Approximate optimal periodic scheduling of multiple sensors with constraints. *Automatica*, **2013**, 49, 993-1000 5.7 14
- 192 Network Parameter Coordinated False Data Injection Attacks Against Power System AC State Estimation. *IEEE Transactions on Smart Grid*, **2021**, 12, 1626-1639 10.7 14
- 191 . *IEEE Transactions on Signal Processing*, **2005**, 53, 2421-2431 4.8 13
- 190 **2010**, 12
- 189 Minimax design of hybrid multirate filter banks. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **1997**, 44, 120-128 12
- 188 On the input-output stability of nonlinear systems: Large gain theorem **2008**, 12
- 187 Analysis of performance criteria in sampled-data fault detection. *Systems and Control Letters*, **2007**, 56, 320-325 2.4 12
- 186 A New Model for Time-delay Systems with Application to Network Based Control **2006**, 12
- 185 Robust tuning for machine-directional predictive control of MIMO paper-making processes. *Control Engineering Practice*, **2016**, 55, 1-12 3.9 12
- 184 Process Discovery of Operator Actions in Response to Univariate Alarms**This work was supported by the Natural Sciences and Engineering Research Council of Canada via the CRD program.. *IFAC-PapersOnLine*, **2016**, 49, 1026-1031 0.7 12
- 183 Transmit power control and remote state estimation with sensor networks: A Bayesian inference approach. *Automatica*, **2018**, 97, 292-300 5.7 12
- 182 Analysis and design of multimode delay-timers. *Chemical Engineering Research and Design*, **2017**, 120, 179-193 5.5 11

181	On the use of delay timers and latches for efficient alarm design 2011 ,		11
180	Event-Based Stabilization over Networks with Transmission Delays. <i>Journal of Control Science and Engineering</i> , 2012 , 2012, 1-8	1.2	11
179	ROBUST ANALYSIS AND PID TUNING OF CASCADE CONTROL SYSTEMS. <i>Chemical Engineering Communications</i> , 2005 , 192, 1204-1220	2.2	11
178	Properties of linear switching time-varying discrete-time systems with applications. <i>Systems and Control Letters</i> , 2000 , 39, 229-235	2.4	11
177	Robust event-triggered state estimation: A risk-sensitive approach. <i>Automatica</i> , 2019 , 99, 253-265	5.7	11
176	Robust Stability of Networked Linear Control Systems With Asynchronous Continuous- and Discrete-Time Event-Triggering Schemes. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 932-939	5.9	11
175	Abnormality detection based on the Kullback-Leibler divergence for generalized Gaussian data. <i>Control Engineering Practice</i> , 2019 , 85, 257-270	3.9	10
174	Joint random access and power control game in ad hoc networks with noncooperative users. <i>Ad Hoc Networks</i> , 2011 , 9, 142-151	4.8	10
173	A simple derivation of the 2-optimal sampled-data controllers. <i>Systems and Control Letters</i> , 1993 , 20, 49-56	2.4	10
172	On stochastic and deterministic event-based state estimation. <i>Automatica</i> , 2021 , 123, 109314	5.7	10
171	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 1883-1896	4.9	10
170	Event-based state estimation of linear dynamical systems: Communication rate analysis 2014 ,		9
169	LMI optimization approach to robust decentralized controller design. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 904-924	3.6	9
168	STABILITY ANALYSIS OF UNCERTAIN DISCRETE-TIME SYSTEMS WITH TIME-VARYING STATE DELAY: A PARAMETER-DEPENDENT LYAPUNOV FUNCTION APPROACH. <i>Asian Journal of Control</i> , 2008 , 8, 433-440	1.7	9
167	Early Classification of Alarm Floods via Exponentially Attenuated Component Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8702-8712	8.9	9
166	Optimal Linear Encryption Against Stealthy Attacks on Remote State Estimation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 3592-3607	5.9	9
165	Design of visualization plots of industrial alarm and event data for enhanced alarm management. <i>Control Engineering Practice</i> , 2018 , 79, 50-64	3.9	8
164	Feedback control with signal transmission after-effects. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 351-363	3.6	8

163	Unitary dilation approach to contractive matrix completion. <i>Linear Algebra and Its Applications</i> , 2004 , 379, 345-352	0.9	8
162	H ₂ output feedback control for uncertain stochastic systems with time-varying delays. <i>Automatica</i> , 2004 , 40, 2091-2098	5.7	8
161			8
160	Stochastic Detector against linear deception attacks on remote state estimation 2016 ,		8
159	Optimal DoS Attack Against LQR Control Channels. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1348-1352	3.5	8
158	Accelerated multiple alarm flood sequence alignment for abnormality pattern mining. <i>Journal of Process Control</i> , 2019 , 82, 44-57	3.9	7
157	Robust Tuning of Machine Directional Predictive Control of Paper Machines. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3904-3918	3.9	7
156	Data and event-driven control of a class of networked non-linear control systems. <i>IET Control Theory and Applications</i> , 2015 , 9, 1034-1041	2.5	7
155	. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	7
154	Main causes of long-standing alarms and their removal by dynamic state-based alarm systems. <i>Journal of Loss Prevention in the Process Industries</i> , 2016 , 43, 106-119	3.5	7
153	On finite-horizon ℓ_2 -induced norms of discrete-time switched linear systems. <i>Automatica</i> , 2013 , 49, 2517-2524	3.7	7
152	Setpoint dynamic compensation via output feedback control with network induced time delays 2015 ,		7
151	Asynchronous consensus-based time synchronisation in wireless sensor networks using unreliable communication links. <i>IET Control Theory and Applications</i> , 2014 , 8, 1083-1090	2.5	7
150	Stabilisation of non-uniformly sampled systems via dynamic output-feedback control. <i>IET Control Theory and Applications</i> , 2013 , 7, 228-233	2.5	7
149	A study on the relation between alarm deadbands and optimal alarm limits 2011 ,		7
148	Controlling distortions in maximally decimated filter banks. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 1997 , 44, 597-600		7
147	Robust tracking control for a class of MIMO nonlinear systems with measurable output feedback. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 69-87	3.6	7
146	Blind Hammerstein Identification for MR Damper Modeling. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	7

145	Boiler Leak Detection Using a System Identification Technique. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 5447-5454	3.9	7
144	Event-triggered robust state estimation for systems with unknown exogenous inputs. <i>Automatica</i> , 2020 , 122, 109248	5.7	7
143	Secure analysis of dynamic networks under pinning attacks against synchronization. <i>Automatica</i> , 2020 , 111, 108576	5.7	7
142	Monitoring Safety of Process Operations Using Industrial Workflows. <i>IFAC-PapersOnLine</i> , 2015 , 48, 451-456	5.6	6
141	Output-Based Periodic Event-Triggered Control for Nonlinear Plants: An Approximate-Model Method. <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1342-1354	4	6
140	Online identification of switched linear output error models 2011 ,		6
139	Linear Unbiased State Estimation with Random One-Step Sensor Delay. <i>Circuits, Systems, and Signal Processing</i> , 2007 , 26, 573-590	2.2	6
138	A Poly-quadratic Approach to Quantized Feedback Systems 2006 ,		6
137	Model Reduction of Uncertain Systems with Multiplicative Noise Based on Balancing. <i>SIAM Journal on Control and Optimization</i> , 2006 , 45, 1541-1560	1.9	6
136	A new method for stabilization of networked control systems with random delays		6
135	NETWORKED CONTROL SYSTEMS: A PERSPECTIVE FROM CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 3075-3101	2	6
134	User-friendly cross-directional MPC tuning for uncertain multiple-array paper-making processes. <i>Control Engineering Practice</i> , 2019 , 88, 65-78	3.9	5
133	Sounding off on Industrial Alarm Systems. <i>IEEE Potentials</i> , 2018 , 37, 24-28	1	5
132	Cause and Effect Analysis for Decision Support in Alarm Floods * *This work was supported by the Natural Sciences and Engineering Research Council of Canada via the CRD program. <i>IFAC-PapersOnLine</i> , 2017 , 50, 13940-13945	0.7	5
131	Modelling and control of wireless networked control systems: A fixed structure approach 2015 ,		5
130	Automated Two-Degree-of-Freedom Model Predictive Control Tuning. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 10811-10824	3.9	5
129	Methodology and Application of Pattern Mining in Multiple Alarm Flood Sequences**This work was supported by an NSERC CRD project.. <i>IFAC-PapersOnLine</i> , 2015 , 48, 657-662	0.7	5
128	Application of principal component pursuit to process fault detection and diagnosis 2013 ,		5

127	Minimizing the Effect of Sampling Jitters in Wireless Sensor Networks. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 219-222	3.2	5
126	Multi-loop control synthesis for unstable systems and its application: An approach based on $\bar{\mu}$ interaction measure. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 1721-1744	3.6	5
125	Decentralized robust control of a class of nonlinear systems and application to a boiler system. <i>Journal of Process Control</i> , 2009 , 19, 761-772	3.9	5
124	A design framework for overlapping controllers and its industrial application. <i>Control Engineering Practice</i> , 2009 , 17, 97-111	3.9	5
123	Computing detection delays in industrial alarm systems 2011 ,		5
122	State smoothing in Markov jump systems with lagged mode observation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2010 , 24, 1005-1020	2.8	5
121	STOCHASTIC STABILIZATION AND H_2 CONTROL FOR DISCRETE JUMPING SYSTEMS WITH TIME DELAYS. <i>Asian Journal of Control</i> , 2008 , 7, 223-230	1.7	5
120	Amendments to Performance Analysis of Estimation Algorithms of Nonstationary ARMA Processes [Mar 06 1041-1053]. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 4983-4984	4.8	5
119	Performance Recovery in Digital Implementation of Analogue Systems. <i>SIAM Journal on Control and Optimization</i> , 2007 , 45, 2207-2223	1.9	5
118	Explicit robust model predictive control using recursive closed-loop prediction. <i>International Journal of Robust and Nonlinear Control</i> , 2006 , 16, 519-546	3.6	5
117	Optimal design of multi-channel transmultiplexers. <i>Signal Processing</i> , 2000 , 80, 2141-2149	4.4	5
116	State-space approach to discrete-time 2-optimal control with a causality constraint. <i>Systems and Control Letters</i> , 1995 , 26, 69-77	2.4	5
115	Generalized moving variance filters for industrial alarm systems. <i>Journal of Process Control</i> , 2020 , 95, 75-85	3.9	5
114	Optimal stealthy integrity attacks on remote state estimation: The maximum utilization of historical data. <i>Automatica</i> , 2021 , 128, 109555	5.7	5
113	A new Zeno-free event-triggered scheme for robust distributed optimal coordination. <i>Automatica</i> , 2021 , 129, 109639	5.7	5
112	Interface level regulation in an oil sands separation cell using model-based predictive control. <i>International Journal of Mineral Processing</i> , 2015 , 145, 94-107		4
111	A design framework for event-triggered active fault-tolerant control systems. <i>International Journal of Control</i> , 2020 , 1-12	1.5	4
110	User Friendly Robust MPC Tuning of Uncertain Paper-Making Processes. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1021-1026	0.7	4

109	An Application of Advanced Alarm Management Tools to an Oil Sand Extraction Plant. <i>IFAC-PapersOnLine</i> , 2015 , 48, 641-646	0.7	4
108	Event-driven communication for sampled-data control systems 2013 ,		4
107	Improved Correlation Analysis and Visualization of Industrial Alarm Data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 12898-12903		4
106	A New Scheme on Robust Observer Based Control Design for Nonlinear Interconnected Systems with Application to an Industrial Utility Boiler. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	4
105	Multi-Innovation Stochastic Gradient Identification Methods 2006 ,		4
104	Analysis of a type of nonsmooth dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2006 , 30, 1153-1164	9.3	4
103	On stability robustness of dual-rate generalized predictive control systems 2001 ,		4
102	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996 , 43, 240-242		4
101	Linear Gaussian Systems and Event-Based State Estimation. <i>Studies in Systems, Decision and Control</i> , 2016 , 33-46	0.8	4
100	A Blind Approach to Identification of Hammerstein Systems. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 293-312	0.5	4
99	A New Method for Alarm Monitoring of Equipment Start-Up Operations with Applications to Pumps. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11251-11260	3.9	3
98	Optimal Data Scaling for Principal Component Pursuit: A Lyapunov Approach to Convergence. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2057-2071	5.9	3
97	A design method for controllable topologies of multi-agent networks 2016 ,		3
96	H2 Controller Synthesis with an Alarm Performance Constraint* 2019 ,		3
95	Edge-Event Based Consensus in Networks with Common Time-Varying Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 8299-8304		3
94	2015 ,		3
93	A robust Power system stabilizer design. <i>Optimal Control Applications and Methods</i> , 1997 , 18, 179-193	1.7	3
92	Parity space fault detection based on irregularly sampled data 2008 ,		3

91	Stabilizer design for industrial co-generation systems. <i>Control Engineering Practice</i> , 2002 , 10, 615-624	3.9	3
90	Reconstruction of continuous-time systems from their discretizations. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1914-1917	5.9	3
89	Optimal design of nonuniform multirate filter banks. <i>Circuits, Systems, and Signal Processing</i> , 1999 , 18, 505-521	2.2	3
88	Worst-Case Stealthy Innovation-based Linear Attacks on Remote State Estimation Under Kullback-Leibler Divergence. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	3
87	Performance Assessment and Design of Quadratic Alarm Filters. <i>IFAC-PapersOnLine</i> , 2020 , 53, 494-499	0.7	3
86	2017 ,		2
85	Sensing and actuation strategies for event triggered stochastic optimal control 2013 ,		2
84	Design of a model predictive controller for interface level regulation in oil sands separation cells 2012 ,		2
83	A Direct Approach to Fault Detection in Non-uniformly Sampled Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 10148-10153		2
82	Author's reply to Comments on Identification of Hammerstein nonlinear ARMAX systems <i>Automatica</i> , 2007 , 43, 1479	5.7	2
81	On the Robust Stability of Unforced Nonlinear Systems 2006 ,		2
80	DYNAMICAL ANALYSIS OF A NETWORKED CONTROL SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 61-83	2	2
79	Comparing digital implementation via the bilinear and step-invariant transformations. <i>Automatica</i> , 2004 , 40, 327-330	5.7	2
78	Minimum variance in fast, slow and dual-rate control loops. <i>International Journal of Adaptive Control and Signal Processing</i> , 2005 , 19, 575-600	2.8	2
77	A new identification algorithm for multi-input ARX systems		2
76			2
75	Identification of multivariable systems based on finite impulse response models with flexible orders		2
74	Application of dual-rate modeling to CCR octane quality inferential control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 353-357		2

73	Efficient synthesis of parameterized Gaussian-like filters by approximation. <i>Signal Processing</i> , 1995 , 41, 119-134	4.4	2
72	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1995 , 17, 1015-1019	13.3	2
71	Input-output gains of linear periodic discrete-time systems with application to multirate signal processing		2
70			2
69	Sampled-Data Optimal Design and Robust Stabilization. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1992 , 114, 538-543	1.6	2
68	Real-time pattern matching and ranking for early prediction of industrial alarm floods. <i>Control Engineering Practice</i> , 2022 , 120, 105004	3.9	2
67	H2 and H _∞ designs of multirate sampled-data systems 1993 ,		2
66	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10171-10179	8.9	2
65	Early classification of industrial alarm floods based on semi-supervised learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
64	Extraction and Graphical Representation of Operator Responses to Multivariate Alarms in Industrial Facilities. <i>IFAC-PapersOnLine</i> , 2018 , 51, 25-30	0.7	2
63	2015 ,		1
62	Set-Valued Feedback Control and Its Application to Event-Triggered Sampled-Data Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4965-4972	5.9	1
61	Sensitivity analysis and sensitivity-based design for linear alarm filters. <i>Control Engineering Practice</i> , 2018 , 70, 29-39	3.9	1
60	Constructing workflow models of alarm responses via trace labeling and dependency analysis 2019 ,		1
59	Achieving Relative Time Synchronization in Wireless Sensor Networks. <i>Journal of Control Science and Engineering</i> , 2013 , 2013, 1-7	1.2	1
58	Performance assessment of time-deadbands 2017 ,		1
57	Fast Sequence Alignment for Comparing Industrial Alarm Floods. <i>IFAC-PapersOnLine</i> , 2015 , 48, 647-652	0.7	1
56	Controllability of sampled-data multi-agent systems 2014 ,		1

55	On correlation analysis of bivariate alarm signals 2012 ,		1
54	H _∞ Filtering for nonuniformly sampled systems 2010 ,		1
53	An investigation on the relationship between impedance matching and maximum power transfer 2009 ,		1
52	On system identification in a networked environment 2009 ,		1
51	2-Norm-Based Iterative Design of Filterbank Transceivers: A Control Perspective. <i>Journal of Control Science and Engineering</i> , 2008 , 2008, 1-7	1.2	1
50	FIR modelling for errors-in-variables/closed-loop systems by exploiting cyclo-stationarity. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007 , 21, 603-622	2.8	1
49	H _∞ Filtering for Uncertain Systems with Limited Communication Capacity 2006 ,		1
48	A model predictive control approach to networked systems 2007 ,		1
47	2006 ,		1
46	An optimal fast rate fault detection scheme for multirate sampled-data systems 2004 ,		1
45	Damage modeling and life extending control of a boiler-turbine system		1
44	GPC FOR NON-UNIFORMLY SAMPLED SYSTEMS BASED ON THE LIFTED MODELS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 405-410		1
43	System identification and long-range predictive control of multi-rate systems 1999 ,		1
42	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 164-167	5.9	1
41	Single-dimensional encryption against innovation-based stealthy attacks on remote state estimation. <i>Automatica</i> , 2021 , 136, 110015	5.7	1
40	Event-Triggered Tracking Control With Filtered Outputs and Impulsive Observers. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1
39	Contractive Completion of Block Matrices and its Application to H _∞ Control of Periodic systems 1996 , 263-281		1
38	Capturing Causality From Process Data. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 41-65	0.4	1

37	Input-to-state practical stabilisation via periodic event-triggered control without Zeno-like behaviour. <i>International Journal of Control</i> , 2020 , 1-13	1.5	1
36	Control and Alarm Interplay and Robust State-Feedback Synthesis with an Alarm Performance Constraint. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16708-16719	3.9	1
35	Event-triggered attitude synchronization of multiple rigid-body systems. <i>Systems and Control Letters</i> , 2021 , 149, 104879	2.4	1
34	Worst-Case Stealthy Attacks on Stochastic Event-based State Estimation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
33	Robust Tuning of Cross-Directional Model Predictive Controllers for Paper-Making Processes. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1619-1634	4.8	1
32	Distributed Robust State Estimation for Sensor Networks: A Risk-Sensitive Approach 2018 ,		1
31	A New Event-Triggered Control Scheme for Stochastic Systems. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	1
30	Upper Bounds for Induced Operator Norms of Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1159-1165	5.9	0
29	H2-Optimal Control of Discrete-Time and Sampled-Data Systems. <i>Control and Dynamic Systems</i> , 1995 , 1-34		0
28	Stochastic event-based LQG control: An analysis on strict consistency. <i>Automatica</i> , 2022 , 138, 110157	5.7	0
27	Periodic event-triggered networked control systems subject to large transmission delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	0
26	Dynamic periodic event-triggered control for nonlinear plants with state feedback. <i>IFAC-PapersOnLine</i> , 2020 , 53, 2814-2819	0.7	0
25	A New Approach to Design Alarm Filters Using the Plant and Controller Knowledge. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3648-3657	3.9	0
24	Cooperative Output Regulation with Asynchronous Transmissions and Time-Varying Delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	0
23	Robust Model Predictive Control Using A Two-Step Triggering Scheme. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	0
22	Event-Triggered Sampling. <i>Studies in Systems, Decision and Control</i> , 2016 , 23-31	0.8	
21	A Constrained Optimization Approach. <i>Studies in Systems, Decision and Control</i> , 2016 , 77-108	0.8	
20	Online reduction of chattering alarms due to random noise and oscillation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 10604-10609		

- 19 Guest Editorial Integrated Optimization of Industrial Automation. *IEEE Transactions on Automation Science and Engineering*, **2014**, 11, 963-964 4.9
- 18 Complexity analysis of network-based dynamical systems. *Journal of Systems Science and Complexity*, **2011**, 24, 413-432 1
- 17 β -equivalence of Discretizations of Analog Controllers. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 15232-15237
- 16 Decentralized Robust PI Controller Design For An Industrial Utility Boiler - An IMC Method. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2008**, 41, 14235-14240
- 15 Identification of Multirate Sampled-Data Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 149-154
- 14 Developments in Multi-Rate Predictive Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2004**, 37, 403-408
- 13 VARIABILITY METHOD FOR CYCLO-PERIOD ESTIMATION OF CYCLOSTATIONARY SIGNALS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2005**, 38, 172-177
- 12 Performance Comparison of Multirate vs. Single-Rate Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2000**, 33, 443-448
- 11 On Entropy of Continuous-Time Periodic Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1996**, 29, 3045-3050
- 10 An Efficient Method to Discover Association Rules of Mode-Dependent Alarms Based on the FP-Growth Algorithm
- 9 Finite-Horizon Strictly Stealthy Deterministic Attacks on Cyber-Physical Systems **2022**, 6, 1640-1645
- 8 Event-triggered smoothing for hidden Markov models: Risk-sensitive and MMSE results. *Automatica*, **2021**, 134, 109933 5.7
- 7 Nest Algebras, Causality Constraints, and Multirate Robust Control. *The IMA Volumes in Mathematics and Its Applications*, **1995**, 1-20 0.5
- 6 Summary and Open Problems. *Studies in Systems, Decision and Control*, **2016**, 183-187 0.8
- 5 Approximate Event-Triggering Approaches. *Studies in Systems, Decision and Control*, **2016**, 47-75 0.8
- 4 Examples of Applications for Connectivity and Causality Analysis. *SpringerBriefs in Applied Sciences and Technology*, **2014**, 7-11 0.4
- 3 Asymmetric Vulnerability of Measurement and Control Channels in Closed-Loop Systems. *IEEE Transactions on Control of Network Systems*, **2022**, 1-1 4
- 2 Event-Triggered Model Reference Adaptive Control for Linear Partially Time-Variant Continuous-Time Systems with Nonlinear Parametric Uncertainty. *IEEE Transactions on Automatic Control*, **2022**, 1-1 5.9

- 1 Adaptive Naive Bayes Classifier Based Filter Using Kernel Density Estimation for Pipeline Leakage Detection. *IEEE Transactions on Control Systems Technology*, **2022**, 1-8 4.8