

# Gang Feng

## List of Publications by Year in Descending Order

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

444  
papers

18,262  
citations

69  
h-index

118  
g-index

543  
ext. papers

22,695  
ext. citations

4.8  
avg. IF

7.63  
L-index

#	Paper	IF	Citations
444	Resilient practical cooperative output regulation for MASs with unknown switching exosystem dynamics under DoS attacks. <i>Automatica</i> , <b>2022</b> , 139, 110172	5.7	20
443	New results on stability of discrete-time systems with infinite delays. <i>Automatica</i> , <b>2022</b> , 136, 110043	5.7	0
442	When distributed formation control is feasible under hard constraints on energy and time?. <i>Automatica</i> , <b>2022</b> , 135, 109984	5.7	
441	Stability analysis and predictor feedback control for systems with unbounded delays. <i>Automatica</i> , <b>2022</b> , 135, 109958	5.7	1
440	Intelligent Event-Based Fuzzy Dynamic Positioning Control of Nonlinear Unmanned Marine Vehicles Under DoS Attack. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	7
439	Global Cooperative Output Regulation of Linear Multi-Agent Systems with Limited Bandwidth. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 1-1	4	0
438	Leader-follower consensus of nonlinear time-delay multiagent systems: A time-varying gain approach. <i>Automatica</i> , <b>2021</b> , 126, 109444	5.7	18
437	memory fault detection filtering design for uncertain systems with finite frequency specifications. <i>International Journal of Robust and Nonlinear Control</i> , <b>2021</b> , 31, 5381-5403	3.6	1
436	A proximal neurodynamic model for solving inverse mixed variational inequalities. <i>Neural Networks</i> , <b>2021</b> , 138, 1-9	9.1	3
435	Cooperative Output Regulation of Linear Multiagent Systems: An Event-Triggered Adaptive Distributed Observer Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 833-840	5.9	12
434	Distributed Proximal Algorithms for Multiagent Optimization With Coupled Inequality Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 1223-1230	5.9	9
433	Fuzzy Adaptive Finite-Time Fault-Tolerant Control for Strict-Feedback Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 786-796	8.3	94
432	Event-Triggered Output Feedback Control of Switched Nonlinear Systems With Input Saturation. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2319-2326	10.2	23
431	Finite-Frequency Fuzzy Output Feedback Controller Design for Roesser-Type Two-Dimensional Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 861-873	8.3	4
430	Distributed Output-Feedback Tracking of Multiple Nonlinear Systems With Unmeasurable States. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 477-486	7.3	28
429	A New Switched System Approach to Leader-follower Consensus of Heterogeneous Linear Multiagent Systems With DoS Attack. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 1258-1266	7.3	56
428	Fault Detection Filtering Design for Discrete-Time Interval Type-2 TBF Fuzzy Systems in Finite Frequency Domain. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 213-225	8.3	9

427	Distributed Algorithms for Computing a Common Fixed Point of a Group of Nonexpansive Operators. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 2130-2145	5.9	3
426	Observation for Markov Jump Piecewise-Affine Systems With Admissible Region-Switching Paths. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 4319-4326	5.9	2
425	Event-Triggered/Self-Triggered Leader-Following Control of Stochastic Nonlinear Multiagent Systems Using High-Gain Method. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 2969-2978	10.2	9
424	Event-Triggered Robust Output Regulation of Uncertain Linear Systems With Unknown Exosystems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 4139-4148	7.3	5
423	Fuzzy Robust Constrained Control for Nonlinear Systems With Input Saturation and External Disturbances. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 29, 345-356	8.3	18
422	Moving-Target Enclosing Control for Mobile Agents with Collision Avoidance. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 1-1	4	2
421	Finite Frequency H-/H Memory Fault Detection Filtering Design for Uncertain Takagi-Sugeno Fuzzy Affine Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	0
420	Event-Triggered Cooperative Output Regulation of Heterogeneous Multiagent Systems Under Switching Directed Topologies. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	1
419	. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	2
418	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multi-Agent Systems with Unbounded Distributed Transmission Delays. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	3
417	A Novel Fixed-Time Converging Neurodynamic Approach to Mixed Variational Inequalities and Applications. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
416	Physical Safety and Cyber Security Analysis of Multi-Agent Systems: A Survey of Recent Advances. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 319-333	7	57
415	Tight Upper Bound for the Scrambling Constant of Uniformly Jointly Connected Directed Graphs With Application to Consensus of Multiagent Systems. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 8, 1082-1092	4	
414	Exponential convergence of a proximal projection neural network for mixed variational inequalities and applications. <i>Neurocomputing</i> , <b>2021</b> , 454, 54-64	5.4	7
413	Output feedback stabilization of linear systems with infinite distributed input and output delays. <i>Information Sciences</i> , <b>2021</b> , 576, 54-67	7.7	0
412	A survey on attack detection, estimation and control of industrial cyber-physical systems. <i>ISA Transactions</i> , <b>2021</b> , 116, 1-16	5.5	33
411	Event-Triggered Adaptive Fuzzy Output-Feedback Control for Nonstrict-Feedback Nonlinear Systems With Asymmetric Output Constraint. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> ,	10.2	10
410	Finite-time optimal control for interconnected nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 3451-3470	3.6	6

409	Coverage control for heterogeneous mobile sensor networks with bounded position measurement errors. <i>Automatica</i> , <b>2020</b> , 120, 109118	5.7	5
408	Cooperative Output Tracking of Unknown Heterogeneous Linear Systems by Distributed Event-Triggered Adaptive Control. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	4
407	On Lipschitz conditions of infinite dimensional systems. <i>Automatica</i> , <b>2020</b> , 117, 108947	5.7	3
406	An inertial projection neural network for solving inverse variational inequalities. <i>Neurocomputing</i> , <b>2020</b> , 406, 99-105	5.4	7
405	Distributed Entrapping Control of Multi-Agent Systems Using Bearing Measurements. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 1-1	5.9	2
404	Leader-Following Output Consensus of Heterogeneous Uncertain Linear Multiagent Systems With Dynamic Event-Triggered Strategy. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-12	7.3	13
403	Entrapping a target in an arbitrarily shaped orbit by a single robot using bearing measurements. <i>Automatica</i> , <b>2020</b> , 113, 108805	5.7	5
402	Leader-Tracking in a Shape-Preserving Formation With Bearing-Only Measurements. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5958-5963	0.7	
401	Target localization and enclosing control for networked mobile agents with bearing measurements. <i>Automatica</i> , <b>2020</b> , 118, 109022	5.7	17
400	Leader-follower formation control of nonholonomic mobile robots with bearing-only measurements. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 1628-1643	4	14
399	Containment control with multiple leaders for nonlinear multi-agent systems with unstabilizable linearizations. <i>Neurocomputing</i> , <b>2020</b> , 380, 43-50	5.4	6
398	Consensus of Linear Multiagent Systems With Distributed Infinite Transmission Delays: A Low Gain Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 809-816	5.9	5
397	Stability and Stabilization of Infinite Delay Systems: A Lyapunov-Based Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4509-4524	5.9	10
396	Output consensus of heterogeneous linear multi-agent systems with communication, input and output time-delays. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 12825-12839	4	4
395	Membership-Function-Dependent Fault Detection Filtering Design for Interval Type-2 T <sub>B</sub> Fuzzy Systems in Finite Frequency Domain. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	9
394	Finite-Time $\mathcal{H}_{\infty}$ Controller Synthesis of T <sub>B</sub> Fuzzy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 1956-1963	7.3	8
393	Cooperative Control of Multiple Nonlinear Benchmark Systems Perturbed by Second-Order Moment Processes. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 902-910	10.2	17
392	A Novel Piecewise Affine Filtering Design for T-S Fuzzy Affine Systems Using Past Output Measurements. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1509-1518	10.2	34

391	Distributed Event-Triggered Adaptive Control for Consensus of Linear Multi-Agent Systems with External Disturbances. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 2197-2208	10.2	61
390	Neural Network-Based Adaptive Control for Pure-Feedback Stochastic Nonlinear Systems With Time-Varying Delays and Dead-Zone Input. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 5317-5329	7.3	45
389	Distributed Dynamic Event-Triggered Control for Cooperative Output Regulation of Linear Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3023-3032	10.2	33
388	Quantized Consensus of Multiagent Systems by Event-Triggered Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 3231-3242	7.3	13
387	Finite-Time Adaptive Fuzzy Control for Nonstrict-Feedback Nonlinear Systems Via an Event-Triggered Strategy. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2164-2174	8.3	26
386	Event-Triggered Robust Control for Output Consensus of Unknown Discrete-Time Multiagent Systems With Unmodeled Dynamics. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	7
385	Asynchronous Resilient Output Consensus of Switched Heterogeneous Linear Multivehicle Systems With Communication Delay. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2019</b> , 24, 2627-2640	5.5	56
384	Adaptive tracking control of uncertain Euler-Lagrange systems subject to external disturbances. <i>Automatica</i> , <b>2019</b> , 104, 207-219	5.7	15
383	Event-triggered state estimation for T-S fuzzy affine systems based on piecewise Lyapunov-Krasovskii functionals. <i>Control Theory and Technology</i> , <b>2019</b> , 17, 99-111	1	2
382	Robust cooperative output regulation of multi-agent systems via adaptive event-triggered control. <i>Automatica</i> , <b>2019</b> , 102, 129-136	5.7	116
381	Event-Triggered Cooperative Output Regulation of Linear Multi-Agent Systems Under Jointly Connected Topologies. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1317-1322	5.9	39
380	Semi-global stabilization of linear systems with distributed infinite input delays and actuator saturations. <i>Automatica</i> , <b>2019</b> , 107, 398-405	5.7	13
379	Distributed path optimisation of mobile sensor networks for AOA target localisation. <i>IET Control Theory and Applications</i> , <b>2019</b> , 13, 2817-2827	2.5	2
378	Output Consensus of Heterogeneous Linear Multi-Agent Systems with Adaptive Event-Triggered Control. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 2606-2613	5.9	102
377	Consensus of Single Integrator Multi-Agent Systems with Unbounded Transmission Delays. <i>Journal of Systems Science and Complexity</i> , <b>2019</b> , 32, 778-788	1	14
376	Event-Triggered Robust Adaptive Fuzzy Control for a Class of Nonlinear Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2019</b> , 27, 1648-1658	8.3	65
375	Consensus of Heterogeneous Linear Multiagent Systems Subject to Aperiodic Sampled-Data and DoS Attack. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1501-1511	10.2	136
374	Distributed Event-Triggered Adaptive Control for Cooperative Output Regulation of Heterogeneous Multiagent Systems Under Switching Topology. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 4347-4358	10.3	34

373	Adaptive bipartite consensus control of high-order multiagent systems on cooperation networks. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2868-2886	3.6	52
372	Adaptive Output Regulation of Heterogeneous Multiagent Systems Under Markovian Switching Topologies. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2962-2971	10.2	19
371	Finite Frequency Memory Output Feedback Controller Design for T $\mathbb{S}$ Fuzzy Dynamical Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 3301-3313	8.3	44
370	Coverage Control for Heterogeneous Mobile Sensor Networks Subject to Measurement Errors. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 3479-3486	5.9	8
369	Distributed Circular Formation Control of Nonholonomic Vehicles Without Direct Distance Measurements. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 2730-2737	5.9	21
368	Robust cooperative output regulation of heterogeneous uncertain linear multi-agent systems by intermittent communication. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 1452-1469	4	7
367	Robust adaptive output feedback control to a class of non-triangular stochastic nonlinear systems. <i>Automatica</i> , <b>2018</b> , 89, 325-332	5.7	116
366	An approach to quantized consensus of continuous-time linear multi-agent systems. <i>Automatica</i> , <b>2018</b> , 91, 98-104	5.7	30
365	Authors' reply to comments on Distributed event-triggered control of multi-agent systems with combinational measurements. <i>Automatica</i> , <b>2018</b> , 92, 266	5.7	
364	Adaptive Antisynchronization of Multilayer Reaction-Diffusion Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 807-818	10.3	38
363	Consensus of Discrete-Time Linear Multiagent Systems With Communication, Input and Output Delays. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 492-497	5.9	47
362	Output tracking of stochastic nonlinear systems with unstable linearization. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 466-477	3.6	22
361	Cooperative Output Regulation of Linear Multi-Agent Systems by Intermittent Communication: A Unified Framework of Time- and Event-Triggering Strategies. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 548-555	5.9	63
360	Output consensus for heterogeneous multiagent systems with Markovian switching network topologies. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 1049-1061	3.6	12
359	Event-Based Impulsive Control of Continuous-Time Dynamic Systems and Its Application to Synchronization of Memristive Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 3599-3609	10.3	67
358	A Novel Piecewise Affine Memory Filtering Design for T-S Fuzzy Affine Systems in Finite Frequency Domain <b>2018</b> ,		1
357	Delay Dependent Local Stabilization Conditions for Time-delay Nonlinear Discrete-time Systems Using Takagi-Sugeno Models. <i>International Journal of Control, Automation and Systems</i> , <b>2018</b> , 16, 1435-1447	2.9	13
356	Circular formation of networked dynamic unicycles by a distributed dynamic control law. <i>Automatica</i> , <b>2018</b> , 89, 1-7	5.7	22



355	Fully distributed consensus of second-order multi-agent systems using adaptive event-based control. <i>Science China Information Sciences</i> , <b>2018</b> , 61, 1	3.4	14
354	Absolute stabilization of Lur $\ddot{B}$ systems via dynamic output feedback. <i>European Journal of Control</i> , <b>2018</b> , 44, 15-26	2.5	4
353	Finite Frequency Filtering Design for Uncertain Discrete-Time Systems Using Past Output Measurements. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2018</b> , 65, 3005-3013	3.9	29
352	Stabilization of linear systems with distributed infinite input delays: A low gain approach. <i>Automatica</i> , <b>2018</b> , 94, 396-408	5.7	17
351	A Memristive Multilayer Cellular Neural Network With Applications to Image Processing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2017</b> , 28, 1889-1901	10.3	73
350	Novel distributed robust adaptive consensus protocols for linear multi-agent systems with directed graphs and external disturbances. <i>International Journal of Control</i> , <b>2017</b> , 90, 137-147	1.5	48
349	Adaptive Finite-Time Controller Design for T-S Fuzzy Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 2425-2436	10.2	27
348	Nonuniform coverage control for heterogeneous mobile sensor networks on the line. <i>Automatica</i> , <b>2017</b> , 81, 464-470	5.7	5
347	Cooperative control of multiple stochastic high-order nonlinear systems. <i>Automatica</i> , <b>2017</b> , 82, 218-225	5.7	43
346	Consensus of Heterogeneous Linear Multiagent Systems With Communication Time-Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1820-1829	10.2	41
345	Adaptive output-feedback control design with prescribed performance for switched nonlinear systems. <i>Automatica</i> , <b>2017</b> , 80, 225-231	5.7	386
344	Stability and $\mathcal{L}_1$ Gain Analysis of Boolean Networks With Markovian Jump Parameters. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 4222-4228	5.9	106
343	Control of Single-Cell Migration Using a Robot-Aided Stimulus-Induced Manipulation System. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 815-825	5.5	7
342	Finite-Time Stabilization of a Class of TS Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1824-1829	8.3	17
341	Output Consensus of Heterogeneous Linear Multi-Agent Systems by Distributed Event-Triggered/Self-Triggered Strategy. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1914-1924	10.2	174
340	Leader-following consensus of multi-agent systems with limited data rate. <i>Journal of the Franklin Institute</i> , <b>2017</b> , 354, 184-196	4	8
339	Consensus of linear multi-agent systems via fully distributed event-triggered output-feedback control <b>2017</b> ,		1
338	Consensus of single integrator multi-agent systems with unbounded transmission delays <b>2017</b> ,		1

337	Cooperative output regulation of linear multi-agent systems with an event-triggered adaptive distributed observer <b>2017</b> ,		1
336	Cooperative linear output regulation for networked systems by dynamic measurement output feedback. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 1445-1452	2.3	3
335	On the optimal parameter of the composite Laplacian quadratics function. <i>Automatica</i> , <b>2016</b> , 72, 1-10	5.7	5
334	Robust event-triggered cooperative output regulation of heterogeneous linear uncertain multi-agent systems <b>2016</b> ,		3
333	Consensus of homogeneous linear multi-agent systems with time-varying communication delays <b>2016</b> ,		1
332	An optimal approach to output-feedback robust model predictive control of LPV systems with disturbances. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3253-3273	3.6	31
331	Decreasing-horizon Robust Model Predictive Control With Specified Settling Time To A Terminal Constraint Set. <i>Asian Journal of Control</i> , <b>2016</b> , 18, 664-673	1.7	6
330	Sampled-data control of nonlinear networked systems with time-delay and quantization. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 919-933	3.6	47
329	Output Consensus of Heterogeneous Linear Multi-agent Systems Subject to Different Disturbances. <i>Asian Journal of Control</i> , <b>2016</b> , 18, 757-762	1.7	4
328	Consensus of Linear Multi-Agent Systems by Distributed Event-Triggered Strategy. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 148-57	10.2	379
327	Distributed containment tracking of multiple stochastic nonlinear systems. <i>Automatica</i> , <b>2016</b> , 69, 214-224	5.7	51
326	Consensus of single integrator multi-agent systems with directed topology and communication delays. <i>Control Theory and Technology</i> , <b>2016</b> , 14, 21-27	1	8
325	Coverage Control for Mobile Sensor Networks with Input Saturation. <i>Unmanned Systems</i> , <b>2016</b> , 04, 15-21	5.7	8
324	Coverage control for heterogeneous mobile sensor networks on a circle. <i>Automatica</i> , <b>2016</b> , 63, 349-358	5.7	40
323	Adaptive neural control for a class of stochastic nonlinear time-delay systems with unknown dead zone using dynamic surface technique. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 759-781	3.6	84
322	Distributed circular formation control of multi-robot systems with directed communication topology <b>2016</b> ,		2
321	Cooperative Output Regulation for Uncertain Nonlinear Multi-Agent Systems with Unknown Control Directions**The work described in this paper was supported by the Research Grants Council of the Hong Kong Special Administrative Region of China under Project CityU/138913.. <i>IFAC Papers onLine</i> , <b>2016</b> , 49, 392-397	0.7	1
320	An Event-Triggered Control Approach to Cooperative Output Regulation of Heterogeneous Multi-Agent Systems**This work was supported by the Research Grants Council of the Hong Kong Special Administrative Region of China under Project CityU/11209514. Corresponding author: Lu Liu, Tel: 852-24125126. <i>IFAC Papers onLine</i> , <b>2016</b> , 49, 561-568	0.7	1



319	Leader-following consensus of multiple unmanned aerial vehicles with input constraints and local coordinate frames <b>2016</b> ,		3
318	A direct self-constructing neural controller design for a class of nonlinear systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 1312-22	10.3	17
317	Adaptive control for cooperative linear output regulation of heterogeneous multi-agent systems with periodic switching topology. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 34-41	2.5	23
316	Design of memoryless output feedback controller of discrete-time systems with input delay. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1205-1212	2.5	10
315	Multilayer RTD-memristor-based cellular neural networks for color image processing. <i>Neurocomputing</i> , <b>2015</b> , 162, 150-162	5.4	34
314	Self-Triggered Consensus for Multi-Agent Systems With Zeno-Free Triggers. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2779-2784	5.9	190
313	Automated Pairing Manipulation of Biological Cells With a Robot-Tweezers Manipulation System. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2015</b> , 20, 2242-2251	5.5	22
312	Composite Characteristics of Memristor Series and Parallel Circuits. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2015</b> , 25, 1530019	2	9
311	Output Consensus of Heterogeneous Linear Discrete-Time Multiagent Systems With Structural Uncertainties. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 2868-79	10.2	75
310	Universal fuzzy models and universal fuzzy controllers for discrete-time nonlinear systems. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 880-7	10.2	10
309	Containment control of linear multi-agent systems with multiple leaders of bounded inputs using distributed continuous controllers. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 2101-2121	3.6	103
308	Control Design for a Class of Affine Nonlinear Descriptor Systems With Actuator Saturation. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2195-2200	5.9	48
307	Necessary and sufficient conditions for stability of switched nonlinear systems. <i>Journal of the Franklin Institute</i> , <b>2015</b> , 352, 117-137	4	16
306	Leader-follower consensus of time-varying nonlinear multi-agent systems. <i>Automatica</i> , <b>2015</b> , 52, 8-14	5.7	152
305	Distributed Average Tracking of Networked Euler-Lagrange Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 547-552	5.9	70
304	Trajectory Tracking for Nonholonomic Vehicles with Velocity Constraints**The work described in this paper was supported in part by a grant from City University of Hong Kong (Project No. 7200330) and by the Research Grants Council of the Hong Kong Special Administrative Region of China under Project CityU/1389/13. Corresponding author: Lu Liu, E-mail: lulu45@cityu.edu.hk, Tel:	0.7	10
303	Stabilization of linear discrete-time networked control systems via protocol and controller co-design. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 3072-3085	3.6	23
302	Fuzzy Decentralized Control for a Class of Networked Systems with Time Delay and Missing Measurements. <i>Asian Journal of Control</i> , <b>2015</b> , 17, 84-98	1.7	6

301	Impulsive Multiconsensus of Second-Order Multiagent Networks Using Sampled Position Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2015</b> , 26, 2678-88	10.3	52
300	Leader-following consensus of linear multi-agent systems by distributed event-triggered control <b>2015</b> ,		1
299	Global cooperative output regulation for nonlinear multi-agent systems with unknown control directions <b>2015</b> ,		3
298	Analysis and Synthesis of Memory-Based Fuzzy Sliding Mode Controllers. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 2880-9	10.2	37
297	A Memristor-Based Chaotic System with Boundary Conditions <b>2014</b> , 351-364		13
296	Robust Model Predictive Control for Discrete-Time Takagi-Sugeno Fuzzy Systems With Structured Uncertainties and Persistent Disturbances. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 1213-1228	8.3	74
295	A Spiking-based mechanism for self-organizing RBF neural networks <b>2014</b> ,		2
294	Design of Estimator-Based Sliding-Mode Output-Feedback Controllers for Discrete-Time Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 2432-2440	8.9	35
293	Universal fuzzy integral sliding-mode controllers for stochastic nonlinear systems. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2658-69	10.2	31
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291	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6986-6994	8.9	25
290	An extended proportional-integral control algorithm for distributed average tracking and its applications in Euler-Lagrange systems <b>2014</b> ,		7
289	Finite-time stabilization and . <i>Automatica</i> , <b>2014</b> , 50, 2090-2097	5.7	46
288	Observer-Based Output Feedback Event-Triggered Control for Consensus of Multi-Agent Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 4885-4894	8.9	349
287	A new design of robust H <sub>∞</sub> sliding mode control for uncertain stochastic T-S fuzzy time-delay systems. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1556-66	10.2	65
286	Optimal control for multi-agent persistent monitoring. <i>Automatica</i> , <b>2014</b> , 50, 1663-1668	5.7	26
285	Quasi-min-max fuzzy model predictive control of direct methanol fuel cells. <i>Fuzzy Sets and Systems</i> , <b>2014</b> , 248, 39-60	3.7	8
284	T <sub>S</sub> fuzzy-model-based piecewise H <sub>∞</sub> output feedback controller design for networked nonlinear systems with medium access constraint. <i>Fuzzy Sets and Systems</i> , <b>2014</b> , 248, 86-105	3.7	34

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282	Event-driven observer-based output feedback control for linear systems. <i>Automatica</i> , <b>2014</b> , 50, 1852-1859	3.7	180
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279	Consensus of Multi-Agent Systems by Distributed Event-Triggered Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 9768-9773		1
278	Stabilization of time-delay nonlinear discrete-time systems with saturating actuators through T-S models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 11000-11005		3
277	Distributed self-triggered control for consensus of multi-agent systems. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2014</b> , 1, 40-45	7	13
276	Delay-dependent local stabilization of nonlinear discrete-time system using T-S models through convex optimization <b>2014</b> ,		2
275	Consensus of multi-agent systems with linear dynamics using event-triggered control. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 2275-2281	2.5	39
274	Coverage Control for Mobile Sensor Networks on a Circle. <i>Unmanned Systems</i> , <b>2014</b> , 02, 243-248	3	5
273	Output consensus of heterogeneous linear multi-agent systems by event-triggered control <b>2014</b> ,		6
272	An adjustable memristor model and its application in small-world neural networks <b>2014</b> ,		5
271	Robust $\mathcal{H}_{\infty}$ Control for Stochastic TS Fuzzy Systems via Integral Sliding-Mode Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 870-881	8.3	34
270	Optimal deployment of heterogeneous mobile agents on a circle <b>2014</b> ,		1
269	A Memristor-Based Chaotic System with Bifurcation Analysis <b>2014</b> ,		1
268	Global robust output regulation for a class of nonlinear output feedback systems <b>2014</b> ,		2
267	Resource allocation with proportional rate fairness in orthogonal frequency division multiple access relay networks. <i>Wireless Communications and Mobile Computing</i> , <b>2014</b> , 14, 269-283	1.9	2
266	Robust $\mathcal{H}_{\infty}$ Control of TS Fuzzy Time-Delay Systems via a New Sliding-Mode Control Scheme. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 459-465	8.3	59

265	Universal Fuzzy Integral Sliding-Mode Controllers Based on TB Fuzzy Models. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 350-362	8.3	56
264	Event-based consensus of multi-agent systems with general linear models. <i>Automatica</i> , <b>2014</b> , 50, 552-558	5.7	430
263	Exponential H <sub>∞</sub> Filtering for Discrete-Time Switched State-Delay Systems Under Asynchronous Switching. <i>Asian Journal of Control</i> , <b>2013</b> , 15, 479-488	1.7	11
262	Decentralized Dynamic Coverage Control for Mobile Sensor Networks in a Non-convex Environment. <i>Asian Journal of Control</i> , <b>2013</b> , 15, 512-520	1.7	7
261	Optimal linear estimation for continuous stochastic systems with random observation delays. <i>International Journal of Robust and Nonlinear Control</i> , <b>2013</b> , 23, 359-380	3.6	3
260	Optimal awareness coverage control for networked mobile sensors with awareness loss <b>2013</b> ,		2
259	Distributed event-triggered control of multi-agent systems with combinational measurements. <i>Automatica</i> , <b>2013</b> , 49, 671-675	5.7	501
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252	Persistent awareness coverage with maximum coverage frequency for mobile sensor networks <b>2013</b> ,		3
251	Event-triggered control of multi-agent systems with suboptimal triggering <b>2013</b> ,		1
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248	Robust model predictive control of discrete-time uncertain linear systems with persistent disturbances <b>2013</b> ,		2

247	Delay-dependent stability criteria for reaction-diffusion neural networks with time-varying delays. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 1913-20	10.2	68
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240	Robust H $\infty$ stabilization of uncertain T-S fuzzy systems via dynamic integral sliding mode control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 485-490		1
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212	Observer-Based Adaptive Fuzzy Backstepping Dynamic Surface Control for a Class of MIMO Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 1124-35		338



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