Lihua Xie

List of Publications by Citations

685 papers	**23,293** citations	**73** h-index	**132** g-index
839 ext. papers	**30,141** ext. citations	**4.2** avg, IF	**7.78** L-index

#	Paper	IF	Citations
684	Output feedback H∞ control of systems with parameter uncertainty. *International Journal of Control*, **1996**, 63, 741-750	1.4	1025
683	Robust control of a class of uncertain nonlinear systems. *Systems and Control Letters*, **1992**, 19, 139-149	2.2	931
682	. *IEEE Transactions on Automatic Control*, **2005**, 50, 1698-1711	5.1	838
681	. *IEEE/ASME Transactions on Mechatronics*, **2009**, 14, 219-228	4.8	518
680	Further Improvement of Free-Weighting Matrices Technique for Systems With Time-Varying Delay. *IEEE Transactions on Automatic Control*, **2007**, 52, 293-299	5.1	494
679	Off-Grid Direction of Arrival Estimation Using Sparse Bayesian Inference. *IEEE Transactions on Signal Processing*, **2013**, 61, 38-43	4.3	409
678	Distributed consensus of linear multi-agent systems with adaptive dynamic protocols. *Automatica*, **2013**, 49, 1986-1995	5.1	375
677	Network Topology and Communication Data Rate for Consensusability of Discrete-Time Multi-Agent Systems. *IEEE Transactions on Automatic Control*, **2011**, 56, 2262-2275	5.1	312
676	. *IEEE Transactions on Automatic Control*, **1994**, 39, 1310-1314	5.1	304
675	. *IEEE Transactions on Automatic Control*, **1992**, 37, 1253-1256	5.1	306
674	Distributed Tracking Control for Linear Multiagent Systems With a Leader of Bounded Unknown Input. *IEEE Transactions on Automatic Control*, **2013**, 58, 518-523	5.1	287
673	. *IEEE Transactions on Automatic Control*, **2011**, 56, 279-292	5.1	272
672	Improved robust H2 and H∞ filtering for uncertain discrete-time systems. *Automatica*, **2004**, 40, 873-880	5.1	251
671	Fusion of WiFi, smartphone sensors and landmarks using the Kalman filter for indoor localization. *Sensors*, **2015**, 15, 715-32	3.6	240
670	. *IEEE Transactions on Signal Processing*, **2005**, 53, 3183-3192	4.3	206
669	Nonfragile Distributed Filtering for T-S Fuzzy Systems in Sensor Networks. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1883-1890	7.1	213
668	Optimal linear estimation for systems with multiple packet dropouts. *Automatica*, **2008**, 44, 1333-1342	5.1	206

667	Finite-time distributed consensus via binary control protocols. *Automatica*, **2011**, 47, 1962-1968	5.1	180
666	Consensus condition for linear multi-agent systems over randomly switching topologies. *Automatica*, **2013**, 49, 3125-3132	5.1	169
665	On Gridless Sparse Methods for Line Spectral Estimation From Complete and Incomplete Data. *IEEE Transactions on Signal Processing*, **2015**, 63, 3139-3153	4.3	153
664	Distributed consensus for multi-agent systems with delays and noises in transmission channels. *Automatica*, **2011**, 47, 920-934	5.1	165
663	. *IEEE Transactions on Instrumentation and Measurement*, **2009**, 58, 1886-1896	4.6	138
662	Feedback Stabilization of Discrete-Time Networked Systems Over Fading Channels. *IEEE Transactions on Automatic Control*, **2012**, 57, 2176-2189	5.1	135
661	HVAC system optimization in-building section. *Energy and Buildings*, **2005**, 37, 11-22	6.9	144
660	Adaptive Trajectory Tracking Control of a Fully Actuated Surface Vessel With Asymmetrically Constrained Input and Output. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 1851-1859	4.3	131
659	Diffusion Kalman Filtering Based on Covariance Intersection. *IEEE Transactions on Signal Processing*, **2012**, 60, 891-902	4.3	138
658	Robust H/sub /spl infin// control of distributed delay systems with application to combustion control. *IEEE Transactions on Automatic Control*, **2001**, 46, 1930-1935	5.1	133
657	H estimation for discrete-time linear uncertain systems. *International Journal of Robust and Nonlinear Control*, **1991**, 1, 111-123	3.3	133
656	Robust and adaptive variable structure output feedback control of uncertain systems with input nonlinearity. *Automatica*, **2008**, 44, 552-559	5.1	140
655	H control and robust stabilization of two-dimensional systems in Roesser models. *Automatica*, **2001**, 37, 205-211	5.1	134
654	Mean square stability for Kalman filtering with Markovian packet losses. *Automatica*, **2011**, 47, 2647-2657	5.1	137
653	Distributed constrained optimal consensus of multi-agent systems. *Automatica*, **2016**, 68, 209-215	5.1	132
652	Robust Kalman filtering for uncertain systems. *Systems and Control Letters*, **1994**, 22, 123-129	2.2	119
651	An input-based triggering approach to leader-following problems. *Automatica*, **2017**, 75, 221-228	5.1	120
650	Synchronization of discrete-time multi-agent systems on graphs using Riccati design. *Automatica*, **2013**, 49, 414-423	5.1	125

649	Robust H/sub /spl infin// filtering of linear systems with time-varying delay. *IEEE Transactions on Automatic Control*, **2003**, 48, 159-165	5.1	119
648	Passivity analysis and passification for uncertain signal processing systems. *IEEE Transactions on Signal Processing*, **1998**, 46, 2394-2403	4.3	110
647	H∞estimation for uncertain systems. *International Journal of Robust and Nonlinear Control*, **1992**, 2, 87-105	3.3	113
646	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. *IEEE Transactions on Wireless Communications*, **2016**, 15, 1252-1266	8.6	100
645	Robustly Stable Signal Recovery in Compressed Sensing With Structured Matrix Perturbation. *IEEE Transactions on Signal Processing*, **2012**, 60, 4658-4671	4.3	117
644	Error-Constrained LOS Path Following of a Surface Vessel With Actuator Saturation and Faults. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1794-1805	6.3	105
643	Design and analysis of discrete-time robust Kalman filters. *Automatica*, **2002**, 38, 1069-1077	5.1	113
642	. *IEEE Transactions on Information Theory*, **2016**, 62, 3685-3701	2.6	105
641	Output tracking control of Boolean control networks via state feedback: Constant reference signal case. *Automatica*, **2015**, 59, 54-59	5.1	108
640	Minimum Data Rate for Mean Square Stabilizability of Linear Systems With Markovian Packet Losses. *IEEE Transactions on Automatic Control*, **2011**, 56, 772-785	5.1	99
639	Building occupancy estimation and detection: A review. *Energy and Buildings*, **2018**, 169, 260-270	6.9	109
638	Enhancing Sparsity and Resolution via Reweighted Atomic Norm Minimization. *IEEE Transactions on Signal Processing*, **2016**, 64, 995-1006	4.3	101
637	Exact Joint Sparse Frequency Recovery via Optimization Methods. *IEEE Transactions on Signal Processing*, **2016**, 64, 5145-5157	4.3	97
636	On the discrete-time bounded real Lemma with application in the characterization of static state feedback controllers. *Systems and Control Letters*, **1992**, 18, 61-71	2.2	99
635	TDOA-Based Source Localization With Distance-Dependent Noises. *IEEE Transactions on Wireless Communications*, **2015**, 14, 468-480	8.6	90
634	Augmented distributed gradient methods for multi-agent optimization under uncoordinated constant stepsizes **2015**,		87
633	Stabilization of a class of uncertain large-scale stochastic systems with time delays. *Automatica*, **2000**, 36, 161-167	5.1	99
632	Multi-surface sliding control for fast finite-time leader–follower consensus with high order SISO uncertain nonlinear agents. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 2388-2404	3.3	93

631	A Discretization-Free Sparse and Parametric Approach for Linear Array Signal Processing. *IEEE Transactions on Signal Processing*, **2014**, 62, 4959-4973	4.3	90
630	A fast and precise indoor localization algorithm based on an online sequential extreme learning machine. *Sensors*, **2015**, 15, 1804-24	3.6	94
629	Continuous-time and sampled-data-based average consensus with logarithmic quantizers. *Automatica*, **2013**, 49, 3329-3336	5.1	97
628	Stabilization of Markov jump linear systems using quantized state feedback. *Automatica*, **2010**, 46, 1696-1702	5.1	93
627	WinIPS: WiFi-Based Non-Intrusive Indoor Positioning System With Online Radio Map Construction and Adaptation. *IEEE Transactions on Wireless Communications*, **2017**, 16, 8118-8130	8.6	87
626	Linear quadratic regulation for linear time-varying systems with multiple input delays. *Automatica*, **2006**, 42, 1465-1476	5.1	87
625	H/sub /spl infin// filtering of 2-D discrete systems. *IEEE Transactions on Signal Processing*, **2000**, 48, 1760-1768	4.3	80
624	Finite-Level Quantized Feedback Control for Linear Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 1165-1170	5.1	81
623	HVAC system optimization□condenser water loop. *Energy Conversion and Management*, **2004**, 45, 613-630	10.4	82
622	Decentralized stabilization of a class of interconnected stochastic nonlinear systems. *IEEE Transactions on Automatic Control*, **2000**, 45, 132-137	5.1	80
621	A simplified modeling of cooling coils for control and optimization of HVAC systems. *Energy Conversion and Management*, **2004**, 45, 2915-2930	10.4	81
620	Distributed consensus over digital networks with limited bandwidth and time-varying topologies. *Automatica*, **2011**, 47, 2006-2015	5.1	69
619	Containment control of leader-following multi-agent systems with Markovian switching network topologies and measurement noises. *Automatica*, **2015**, 51, 263-267	5.1	73
618	Multiagent Information Fusion and Cooperative Control in Target Search. *IEEE Transactions on Control Systems Technology*, **2013**, 21, 1223-1235	4.3	69
617	Off-Policy Reinforcement Learning for Synchronization in Multiagent Graphical Games. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 2434-2445	8.5	71
616	A feedforward neural network based indoor-climate control framework for thermal comfort and energy saving in buildings. *Applied Energy*, **2019**, 248, 44-53	10.5	78
615	Distributed Coordination of Multi-Agent Systems With Quantized-Observer Based Encoding-Decoding. *IEEE Transactions on Automatic Control*, **2012**, 57, 3023-3037	5.1	66
614	Global optimization for overall HVAC systems□Part I problem formulation and analysis. *Energy Conversion and Management*, **2005**, 46, 999-1014	10.4	75

613	On robust control invariance of Boolean control networks. *Automatica*, **2016**, 68, 392-396	5.1	72
612	Distributed robust control of linear multi-agent systems with parameter uncertainties. *International Journal of Control*, **2012**, 85, 1039-1050	1.4	71
611	WinLight: A WiFi-based occupancy-driven lighting control system for smart building. *Energy and Buildings*, **2018**, 158, 924-938	6.9	74
610	Coordination of discrete-time multi-agent systems via relative output feedback. *International Journal of Robust and Nonlinear Control*, **2011**, 21, 1587-1605	3.3	65
609	Minimum Data Rate for Mean Square Stabilization of Discrete LTI Systems Over Lossy Channels. *IEEE Transactions on Automatic Control*, **2010**, 55, 2373-2378	5.1	67
608	Dissipative control for linear discrete-time systems. *Automatica*, **1999**, 35, 1557-1564	5.1	69
607	An Efficient EM Algorithm for Energy-Based Multisource Localization in Wireless Sensor Networks. *IEEE Transactions on Instrumentation and Measurement*, **2011**, 60, 1017-1027	4.6	61
606	Event-Triggered Communication and Data Rate Constraint for Distributed Optimization of Multiagent Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1908-1919	6.3	68
605	Output Regulation of Boolean Control Networks. *IEEE Transactions on Automatic Control*, **2017**, 62, 2993-2998	5.1	67
604	. *IEEE Transactions on Signal Processing*, **2008**, 56, 4031-4038	4.3	70
603	Robust Extreme Learning Machine With its Application to Indoor Positioning. *IEEE Transactions on Cybernetics*, **2016**, 46, 194-205	8.4	69
602	H2 and mixed H2/H∞ control of two-dimensional systems in Roesser model. *Automatica*, **2006**, 42, 1507-1514	5.1	67
601	H∞ and Robust Control of 2-D Systems in FM Second Model. *Multidimensional Systems and Signal Processing*, **2002**, 13, 265-287	1.7	66
600	Device-Free Occupant Activity Sensing Using WiFi-Enabled IoT Devices for Smart Homes. *IEEE Internet of Things Journal*, **2018**, 5, 3991-4002	9.6	73
599	BlueDetect: An iBeacon-Enabled Scheme for Accurate and Energy-Efficient Indoor-Outdoor Detection and Seamless Location-Based Service. *Sensors*, **2016**, 16, 268	3.6	59
598	Infinite horizon stochastic . *Automatica*, **2008**, 44, 2306-2316	5.1	68
597	Iterative Constrained Weighted Least Squares Source Localization Using TDOA and FDOA Measurements. *IEEE Transactions on Signal Processing*, **2017**, 65, 3990-4003	4.3	69
596	Ultra-Wideband-Based Localization for Quadcopter Navigation. *Unmanned Systems*, **2016**, 04, 23-34	2.7	59

595	Distributed Projection-Based Algorithms for Source Localization in Wireless Sensor Networks. *IEEE Transactions on Wireless Communications*, **2015**, 14, 3131-3142	8.6	58
594	Synchronization of multi-agent systems with delayed control input information from neighbors. *Automatica*, **2011**, 47, 2152-2164	5.1	68
593	Thermal comfort prediction using normalized skin temperature in a uniform built environment. *Energy and Buildings*, **2018**, 159, 426-440	6.9	63
592	. *IEEE Transactions on Automatic Control*, **1993**, 38, 459-462	5.1	60
591	Convergence of Asynchronous Distributed Gradient Methods Over Stochastic Networks. *IEEE Transactions on Automatic Control*, **2018**, 63, 434-448	5.1	59
590	Nash Equilibrium Computation in Subnetwork Zero-Sum Games With Switching Communications. *IEEE Transactions on Automatic Control*, **2016**, 61, 2920-2935	5.1	49
589	Kalman filtering over a packet-delaying network: A probabilistic approach. *Automatica*, **2009**, 45, 2134-2140	5.1	62
588	Guaranteed cost control of uncertain discrete systems with delays. *International Journal of Control*, **2000**, 73, 105-114	1.4	61
587	New approaches to robust minimum variance filter design. *IEEE Transactions on Signal Processing*, **2001**, 49, 2620-2629	4.3	60
586	H□Filtering for a class of uncertain nonlinear systems. *Systems and Control Letters*, **1993**, 20, 419-426	2.2	62
585	Random forest based thermal comfort prediction from gender-specific physiological parameters using wearable sensing technology. *Energy and Buildings*, **2018**, 166, 391-406	6.9	61
584	A reorganized innovation approach to linear estimation. *IEEE Transactions on Automatic Control*, **2004**, 49, 1810-1814	5.1	59
583	Stability analysis and design of reset systems: Theory and an application. *Automatica*, **2009**, 45, 492-497	5.1	61
582	Quantized Leaderless and Leader-Following Consensus of High-Order Multi-Agent Systems With Limited Data Rate. *IEEE Transactions on Automatic Control*, **2016**, 61, 2432-2447	5.1	54
581	Accurate indoor localization and tracking using mobile phone inertial sensors, WiFi and iBeacon **2017**,		50
580	Invertibility and nonsingularity of Boolean control networks. *Automatica*, **2015**, 60, 155-164	5.1	60
579	A survey on recent progress in control of swarm systems. *Science China Information Sciences*, **2017**, 60, 1	3	56
578	Decentralized Multi-UAV Flight Autonomy for Moving Convoys Search and Track. *IEEE Transactions on Control Systems Technology*, **2017**, 25, 1480-1487	4.3	51

577	Robust dissipative control for linear systems with dissipative uncertainty. *International Journal of Control*, **1998**, 70, 169-191	1.4	60
576	Variational Bayesian Algorithm for Quantized Compressed Sensing. *IEEE Transactions on Signal Processing*, **2013**, 61, 2815-2824	4.3	57
575	Input delay margin for consensusability of multi-agent systems. *Automatica*, **2013**, 49, 1816-1820	5.1	57
574	Asynchronous periodic event-triggered consensus for multi-agent systems. *Automatica*, **2017**, 84, 214-220	5.1	55
573	Non-intrusive occupancy sensing in commercial buildings. *Energy and Buildings*, **2017**, 154, 633-643	6.9	57
572	Optimal Filtering for Systems With Multiple Packet Dropouts. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 695-699	3.1	53
571	Robust Kalman Filtering for Discrete-Time Systems With Measurement Delay. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2007**, 54, 522-526		49
570	A new coordinated control strategy for boiler-turbine system of coal-fired power plant. *IEEE Transactions on Control Systems Technology*, **2005**, 13, 943-954	4.3	53
569	Global optimization for overall HVAC systems––Part II problem solution and simulations. *Energy Conversion and Management*, **2005**, 46, 1015-1028	10.4	54
568	Integrated Relative Localization and Leader–Follower Formation Control. *IEEE Transactions on Automatic Control*, **2019**, 64, 20-34	5.1	56
567	An innovation approach to H$infin; prediction for continuous-time systems with application to systems with delayed measurements*1. *Automatica*, **2004**, 40, 1253-1261	5.1	55
566	Cooperative Search and Exploration in Robotic Networks. *Unmanned Systems*, **2013**, 01, 121-142	2.7	50
565	Distributed Consensus for Multiagent Systems with Communication Delays and Limited Data Rate. *SIAM Journal on Control and Optimization*, **2011**, 49, 2239-2262	1.8	52
564	Robust filtering for 2-D discrete-time linear systems with convex-bounded parameter uncertainty. *Automatica*, **2010**, 46, 673-681	5.1	53
563	Ultra-Wideband and Odometry-Based Cooperative Relative Localization With Application to Multi-UAV Formation Control. *IEEE Transactions on Cybernetics*, **2020**, 50, 2590-2603	8.4	57
562	An efficient convex constrained weighted least squares source localization algorithm based on TDOA measurements. *Signal Processing*, **2016**, 119, 142-152	4.1	51
561	A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 2691-2699	10.8	50
560	Distributed L2-gain output-feedback control of homogeneous and heterogeneous systems. *Automatica*, **2016**, 71, 361-368	5.1	51

559	Stability of a Random Riccati Equation With Markovian Binary Switching. *IEEE Transactions on Automatic Control*, **2008**, 53, 1759-1764	5.1	45
558	Parameterization of all stabilizing H∞ static state-feedback gains: Application to output-feedback design. *Automatica*, **2007**, 43, 1597-1604	5.1	46
557	Distributed consensus of discrete-time multi-agent systems with multiplicative noises. *International Journal of Robust and Nonlinear Control*, **2015**, 25, 3113-3131	3.3	46
556	Ultra-wideband based cooperative relative localization algorithm and experiments for multiple unmanned aerial vehicles in GPS denied environments. *International Journal of Micro Air Vehicles*, **2017**, 9, 169-186	0.8	52
555	Kalman filtering over unreliable communication networks with bounded Markovian packet dropouts. *International Journal of Robust and Nonlinear Control*, **2009**, 19, 1770-1786	3.3	46
554	Robust filtering for a class of discrete-time uncertain nonlinear systems: An H∞ approach. *International Journal of Robust and Nonlinear Control*, **1996**, 6, 297-312	3.3	45
553	Kalman Filtering With Scheduled Measurements. *IEEE Transactions on Signal Processing*, **2013**, 61, 1520-1530	4.3	48
552	Quantized feedback control for linear uncertain systems. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 843-857	3.3	39
551	On stabilization and set stabilization of multivalued logical systems. *Automatica*, **2017**, 80, 41-47	5.1	48
550	Generalized Two-Dimensional Kalman–Yakubovich–Popov Lemma for Discrete Roesser Model. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 3223-3233	3.5	41
549	Robust control for linear time-invariant systems with norm-bounded uncertainty in the input matrix. *Systems and Control Letters*, **1990**, 14, 389-396	2.2	46
548	Finite-time path following control for a stratospheric airship with input saturation and error constraint. *International Journal of Control*, **2019**, 92, 368-393	1.4	44
547	A blind deconvolution approach to ultrasound imaging. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2012**, 59, 271-80	3	39
546	Review on Advanced Control Technologies for Bidirectional DC/DC Converters in DC Microgrids. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 9, 1205-1221	5	47
545	Optimality Analysis of Sensor-Source Geometries in Heterogeneous Sensor Networks. *IEEE Transactions on Wireless Communications*, **2013**, 12, 1958-1967	8.6	40
544	WiFi Fingerprinting Indoor Localization Using Local Feature-Based Deep LSTM. *IEEE Systems Journal*, **2020**, 14, 3001-3010	3.9	45
543	H_{∞} Control of Discrete-Time Systems With Multiple Input Delays. *IEEE Transactions on Automatic Control*, **2007**, 52, 271-283	5.1	42
542	H∞ deconvolution filtering of 2-d digital systems. *IEEE Transactions on Signal Processing*, **2002**, 50, 2319-2332	4.3	41

541	Event-Triggered Quantized Communication-Based Distributed Convex Optimization. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 167-178	3.5	39
540	Multilayer formation control of multi-agent systems. *Automatica*, **2019**, 109, 108558	5.1	39
539	Stability of continuous-time positive switched linear systems: A weak common copositive Lyapunov functions approach. *Automatica*, **2018**, 97, 278-285	5.1	43
538	Sparse methods for direction-of-arrival estimation **2018**, 509-581		37
537	Robust finite-time connectivity preserving coordination of second-order multi-agent systems. *Automatica*, **2018**, 89, 21-27	5.1	41
536	Necessary and Sufficient Conditions for Leader-Following Bipartite Consensus With Measurement Noise. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 1976-1981	6.3	37
535	Output-feedback protocols without controller interaction for consensus of homogeneous multi-agent systems: A unified robust control view. *Automatica*, **2017**, 81, 37-45	5.1	40
534	Consensus of multi-agent systems with general linear dynamics via dynamic output feedback control. *IET Control Theory and Applications*, **2013**, 7, 108-115	2.3	38
533	Optimal linear estimation for systems with transmission delays and packet dropouts. *IET Signal Processing*, **2013**, 7, 814-823	1.6	39
532	Event-Triggered Output Regulation of Heterogeneous Multiagent Networks. *IEEE Transactions on Automatic Control*, **2018**, 63, 4429-4434	5.1	38
531	Convergence rate analysis of distributed optimization with projected subgradient algorithm. *Automatica*, **2017**, 83, 162-169	5.1	39
530	Attainability of the minimum data rate for stabilization of linear systems via logarithmic quantization. *Automatica*, **2011**, 47, 170-176	5.1	39
529	Robust MPC for polytopic uncertain systems with time-varying delays. *International Journal of Control*, **2008**, 81, 1239-1252	1.4	38
528	H Filtering for linear periodic systems with parameter uncertainty. *Systems and Control Letters*, **1991**, 17, 343-350	2.2	38
527	Received Signal Strength Based Indoor Positioning Using a Random Vector Functional Link Network. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 1846-1855	10.8	35
526	Optimal TDOA Sensor-Pair Placement With Uncertainty in Source Location. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 9260-9271	6.1	33
525	FreeCount: Device-Free Crowd Counting with Commodity WiFi **2017**,		36
524	Disturbance decoupling control design for switched Boolean control networks. *Systems and Control Letters*, **2014**, 72, 1-6	2.2	35

523	Containment control of multi-agent systems by exploiting the control inputs of neighbors. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 2803-2818	3.3	35
522	Controllability of Multiagent Networks With Antagonistic Interactions. *IEEE Transactions on Automatic Control*, **2017**, 62, 5457-5462	5.1	37
521	Distributed model predictive control for constrained linear systems. *International Journal of Robust and Nonlinear Control*, **2009**, 20, 1285-1298	3.3	32
520	Heterogeneous consensus of higher-order multi-agent systems with mismatched uncertainties using sliding mode control. *International Journal of Robust and Nonlinear Control*, **2017**, 27, 2303-2320	3.3	36
519	Multi-agent cooperative target search. *Sensors*, **2014**, 14, 9408-28	3.6	34
518	Adaptive Localization in Dynamic Indoor Environments by Transfer Kernel Learning **2017**,		32
517	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. *Control Engineering Practice*, **2020**, 102, 104560	3.6	37
516	Discrete-Time Sliding Mode Control With Time-Varying Surface for Hard Disk Drives. *IEEE Transactions on Control Systems Technology*, **2009**, 17, 175-183	4.3	33
515	Simultaneous Stabilization and Robust Control of Polynomial Nonlinear Systems Using SOS Techniques. *IEEE Transactions on Automatic Control*, **2009**, 54, 1892-1897	5.1	33
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513	Platform and Algorithm Development for a RFID-Based Indoor Positioning System. *Unmanned Systems*, **2014**, 02, 279-291	2.7	28
512	Interval Stability and Stabilization of Linear Stochastic Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 810-815	5.1	32
511	Stability Analysis of Networked Sampled-Data Linear Systems With Markovian Packet Losses. *IEEE Transactions on Automatic Control*, **2009**, 54, 1375-1381	5.1	26
510	Optimal recursive filtering, prediction, and smoothing for singular stochastic discrete-time systems. *IEEE Transactions on Automatic Control*, **1999**, 44, 2154-2158	5.1	29
509	Robust consensus tracking for a class of high-order multi-agent systems. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 578-598	3.3	20
508	Integrated multi-agent system framework: decentralised search, tasking and tracking. *IET Control Theory and Applications*, **2015**, 9, 493-502	2.3	26
507	Stability analysis and design of reset control systems with discrete-time triggering conditions. *Automatica*, **2012**, 48, 528-535	5.1	30
506	DeepSense: Device-Free Human Activity Recognition via Autoencoder Long-Term Recurrent Convolutional Network **2018**,		24

505	FreeDetector: Device-Free Occupancy Detection with Commodity WiFi **2017**,		25
504	Fault detection for output feedback control systems with actuator stuck faults: A steady-state-based approach. *International Journal of Robust and Nonlinear Control*, **2010**, 20, 1739-1757	3.3	24
503	Active disturbance rejection control for uncertain time-delay nonlinear systems. *Automatica*, **2020**, 112, 108692	5.1	28
502	An improved mixed H/sub 2//H/sub /spl infin// control design for hard disk drives. *IEEE Transactions on Control Systems Technology*, **2005**, 13, 832-839	4.3	25
501	Robust filtering under stochastic parametric uncertainties. *Automatica*, **2004**, 40, 1583-1589	5.1	28
500	Learning Gestures From WiFi: A Siamese Recurrent Convolutional Architecture. *IEEE Internet of Things Journal*, **2019**, 6, 10763-10772	9.6	28
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498	Ultra-wideband aided fast localization and mapping system **2017**,		28
497	Decentralized TDOA Sensor Pairing in Multihop Wireless Sensor Networks. *IEEE Signal Processing Letters*, **2013**, 20, 181-184	2.8	27
496	An RFID indoor positioning system by using weighted path loss and extreme learning machine **2013** ,		23
495	Intensity Scan Context: Coding Intensity and Geometry Relations for Loop Closure Detection **2020**,		25
494	Multiparty Consensus of Linear Heterogeneous Multiagent Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 5578-5589	5.1	25
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71	Necessary and sufficient condition for finite horizon H/sub /spl infin// estimation of time delay systems		1
70	Stability analysis of a class of multidimensional systems		1
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