

# Yuanqing Xia

## List of Publications by Citations

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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.

410 papers	12,000 citations	55 h-index	92 g-index
442 ext. papers	15,406 ext. citations	4.5 avg, IF	7.33 L-index

#	Paper	IF	Citations
410	On designing of sliding-mode control for stochastic jump systems. <i>IEEE Transactions on Automatic Control</i> , <b>2006</b> , 51, 97-103	5.9	492
409	Attitude stabilization of rigid spacecraft with finite-time convergence. <i>International Journal of Robust and Nonlinear Control</i> , <b>2011</b> , 21, 686-702	3.6	490
408	Adaptive attitude tracking control for rigid spacecraft with finite-time convergence. <i>Automatica</i> , <b>2013</b> , 49, 3591-3599	5.7	307
407	. <i>IEEE Industrial Electronics Magazine</i> , <b>2007</b> , 54, 1282-1297	6.2	283
406	Adaptive Sliding Mode Control for Attitude Stabilization With Actuator Saturation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 4898-4907	8.9	264
405	Attitude Tracking of Rigid Spacecraft With Bounded Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 647-659	8.9	260
404	. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 219-224	5.9	246
403	Robust Adaptive Sliding-Mode Control for Fuzzy Systems With Mismatched Uncertainties. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2010</b> , 18, 700-711	8.3	238
402	Stability and stabilization of continuous-time singular hybrid systems. <i>Automatica</i> , <b>2009</b> , 45, 1504-1509	5.7	227
401	Disturbance Observer-Based Integral Sliding-Mode Control for Systems With Mismatched Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 7040-7048	8.9	194
400	Robust sliding-mode control for uncertain time-delay systems: an LMI approach. <i>IEEE Transactions on Automatic Control</i> , <b>2003</b> , 48, 1086-1092	5.9	168
399	Stability analysis of systems with time-varying delays via the second-order Bessel-Legendre inequality. <i>Automatica</i> , <b>2017</b> , 76, 138-142	5.7	152
398	Design and Stability Criteria of Networked Predictive Control Systems With Random Network Delay in the Feedback Channel. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2007</b> , 37, 173-184		141
397	A new sampling method in particle filter based on Pearson correlation coefficient. <i>Neurocomputing</i> , <b>2016</b> , 216, 208-215	5.4	139
396	Adaptive Fuzzy Control for Multilateral Cooperative Teleoperation of Multiple Robotic Manipulators Under Random Network-Induced Delays. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2014</b> , 22, 437-450	8.3	135
395	Lateral Path Tracking Control of Autonomous Land Vehicle Based on ADRC and Differential Flatness. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 3091-3099	8.9	120
394	Fault Detection for T-S Fuzzy Discrete Systems in Finite-Frequency Domain. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 911-20		115

393	Adaptive Backstepping Controller Design for Stochastic Jump Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2853-2859	5.9	115
392	Control for discrete singular hybrid systems. <i>Automatica</i> , <b>2008</b> , 44, 2635-2641	5.7	114
391	New bounded real lemma for discrete-time singular systems. <i>Automatica</i> , <b>2008</b> , 44, 886-890	5.7	107
390	Stochastic stability of the unscented Kalman filter with intermittent observations. <i>Automatica</i> , <b>2012</b> , 48, 978-981	5.7	106
389	Sliding mode attitude tracking of rigid spacecraft with disturbances. <i>Journal of the Franklin Institute</i> , <b>2012</b> , 349, 413-440	4	106
388	Controller design for rigid spacecraft attitude tracking with actuator saturation. <i>Information Sciences</i> , <b>2013</b> , 220, 343-366	7.7	98
387	Design of Static Output Feedback Sliding Mode Control for Uncertain Linear Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2010</b> , 57, 2161-2170	8.9	94
386	Observer-based sliding mode control for a class of discrete systems via delta operator approach. <i>Journal of the Franklin Institute</i> , <b>2010</b> , 347, 1199-1213	4	91
385	Active Disturbance Rejection Attitude Control for a Dual Closed-Loop Quadrotor Under Gust Wind. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1400-1405	4.8	87
384	Stabilization of networked control systems with nonuniform random sampling periods. <i>International Journal of Robust and Nonlinear Control</i> , <b>2011</b> , 21, 501-526	3.6	87
383	Robust adaptive sliding mode control for uncertain discrete-time systems with time delay. <i>Journal of the Franklin Institute</i> , <b>2010</b> , 347, 339-357	4	87
382	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 444-454	7.3	85
381	Optimal sequential and distributed fusion for state estimation in cross-correlated noise. <i>Automatica</i> , <b>2013</b> , 49, 3607-3612	5.7	82
380	Distributed MPC for formation of multi-agent systems with collision avoidance and obstacle avoidance. <i>Journal of the Franklin Institute</i> , <b>2017</b> , 354, 2068-2085	4	80
379	Finite-time fault-tolerant control for rigid spacecraft with actuator saturations. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 1529-1539	2.5	78
378	Fuzzy-Model-Based Sampled-Data Control of Chaotic Systems: A Fuzzy Time-Dependent Lyapunov-Brasovskii Functional Approach. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 1672-1684	8.3	78
377	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 1425-1435	8.9	76
376	Networked data fusion with packet losses and variable delays. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2009</b> , 39, 1107-20		76

375	Finite-time attitude control of multiple rigid spacecraft using terminal sliding mode. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 1862-1876	3.6	74
374	A new integral sliding mode design method for nonlinear stochastic systems. <i>Automatica</i> , <b>2018</b> , 90, 304-309	3.9	73
373	Adaptive parameter identification of linear SISO systems with unknown time-delay. <i>Systems and Control Letters</i> , <b>2014</b> , 66, 43-50	2.4	72
372	Adaptive Control for Teleoperation System With Varying Time Delays and Input Saturation Constraints. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6921-6929	8.9	71
371	Fuzzy Adaptive Fault-Tolerant Output Feedback Attitude-Tracking Control of Rigid Spacecraft. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 1898-1908	7.3	70
370	Active Disturbance Rejection Position Control for a Magnetic Rodless Pneumatic Cylinder. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 5838-5846	8.9	70
369	Application of active disturbance rejection control in tank gun control system. <i>Journal of the Franklin Institute</i> , <b>2014</b> , 351, 2299-2314	4	70
368	Design and Stability Analysis of Networked Predictive Control Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 1495-1501	4.8	69
367	Robust Sliding-Mode Control for Uncertain Time-Delay Systems Based on Delta Operator. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 3646-3655	8.9	69
366	Finite-Time Tracking Control of Rigid Spacecraft Under Actuator Saturations and Faults. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2016</b> , 13, 368-381	4.9	67
365	Adaptive control for attitude synchronisation of spacecraft formation via extended state observer. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 2171-2185	2.5	67
364	Output feedback delay compensation control for networked control systems with random delays. <i>Information Sciences</i> , <b>2014</b> , 265, 154-166	7.7	67
363	Data-driven predictive control for networked control systems. <i>Information Sciences</i> , <b>2013</b> , 235, 45-54	7.7	66
362	Adaptive Fuzzy Control of Multilateral Asymmetric Teleoperation for Coordinated Multiple Mobile Manipulators. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2016</b> , 24, 57-70	8.3	65
361	Active disturbance rejection and predictive control strategy for a quadrotor helicopter. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 2213-2222	2.5	64
360	Neural Network-Based Control of Networked Trilateral Teleoperation With Geometrically Unknown Constraints. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1051-64	10.2	63
359	New stability and stabilization conditions for systems with time-delay. <i>International Journal of Systems Science</i> , <b>2007</b> , 38, 17-24	2.3	61
358	Event-Based Model Predictive Tracking Control of Nonholonomic Systems With Coupled Input Constraint and Bounded Disturbances. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 608-615	5.9	61

357	Fuzzy Delay Compensation Control for T-S Fuzzy Systems Over Network. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 259-68	10.2	58
356	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 2576-2587	5.5	57
355	Robust MPC for tracking constrained unicycle robots with additive disturbances. <i>Automatica</i> , <b>2018</b> , 90, 172-184	5.7	55
354	Analysis and Synthesis of Networked Control Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2011</b> ,	0.5	55
353	Adaptive finite-time attitude stabilization for rigid spacecraft with actuator faults and saturation constraints. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 28-46	3.6	54
352	Formation control and collision avoidance for multi-agent systems based on position estimation. <i>ISA Transactions</i> , <b>2016</b> , 61, 287-296	5.5	54
351	A deep Boltzmann machine and multi-grained scanning forest ensemble collaborative method and its application to industrial fault diagnosis. <i>Computers in Industry</i> , <b>2018</b> , 100, 287-296	11.6	54
350	Active disturbance rejection control for drag tracking in mars entry guidance. <i>Advances in Space Research</i> , <b>2014</b> , 53, 853-861	2.4	53
349	Cloud control systems. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2015</b> , 2, 134-142	7	50
348	Robust dissipative control for internet-based switching systems. <i>Journal of the Franklin Institute</i> , <b>2010</b> , 347, 154-172	4	49
347	Robust control of state delayed systems with polytopic type uncertainties via parameter-dependent Lyapunov functionals. <i>Systems and Control Letters</i> , <b>2003</b> , 50, 183-193	2.4	49
346	Trajectory Optimization of Space Maneuver Vehicle Using a Hybrid Optimal Control Solver. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 467-480	10.2	45
345	Analysis and Synthesis of Dynamical Systems with Time-Delays. <i>Lecture Notes in Control and Information Sciences</i> , <b>2009</b> ,	0.5	45
344	Analysis and Synthesis of Delta Operator Systems. <i>Lecture Notes in Control and Information Sciences</i> , <b>2012</b> ,	0.5	45
343	Design and Practical Implementation of Internet-Based Predictive Control of a Servo System. <i>IEEE Transactions on Control Systems Technology</i> , <b>2008</b> , 16, 158-168	4.8	44
342	Solving Multiobjective Constrained Trajectory Optimization Problem by an Extended Evolutionary Algorithm. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1630-1643	10.2	44
341	Active Disturbance Rejection Control for Active Suspension System of Tracked Vehicles With Gun. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 4051-4060	8.9	44
340	Finite-Time Control of Teleoperation Systems With Input Saturation and Varying Time Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2017</b> , 47, 1522-1534	7.3	43

339	Real-Time Reentry Trajectory Planning of Hypersonic Vehicles: A Two-Step Strategy Incorporating Fuzzy Multiobjective Transcription and Deep Neural Network. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 6904-6915	8.9	43
338	Unscented Kalman Filter Over Unreliable Communication Networks With Markovian Packet Dropouts. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 3224-3230	5.9	42
337	Obstacle avoidance and active disturbance rejection control for a quadrotor. <i>Neurocomputing</i> , <b>2016</b> , 190, 60-69	5.4	41
336	Finite-time attitude control for rigid spacecraft-based on adaptive super-twisting algorithm. <i>IET Control Theory and Applications</i> , <b>2014</b> , 8, 1465-1477	2.5	41
335	Active disturbance rejection control for power plant with a single loop. <i>Asian Journal of Control</i> , <b>2012</b> , 14, 239-250	1.7	41
334	Optimal linear estimation for systems with transmission delays and packet dropouts. <i>IET Signal Processing</i> , <b>2013</b> , 7, 814-823	1.7	40
333	Generalised finite-frequency KYP lemma in delta domain and applications to fault detection. <i>International Journal of Control</i> , <b>2011</b> , 84, 511-525	1.5	40
332	Optimal Stealthy Deception Attack Against Cyber-Physical Systems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3963-3972	10.2	40
331	A review of optimization techniques in spacecraft flight trajectory design. <i>Progress in Aerospace Sciences</i> , <b>2019</b> , 109, 100543	8.8	39
330	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 4396-4406	8.9	39
329	H <sub>∞</sub> Filtering for nonlinear singular Markovian jumping systems with interval time-varying delays. <i>International Journal of Systems Science</i> , <b>2012</b> , 43, 272-284	2.3	39
328	Attitude control for quadrotors subjected to wind disturbances via active disturbance rejection control and integral sliding mode control. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 129, 531-545	7.8	38
327	Stability Analysis for High Frequency Networked Control Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 2694-2700	5.9	38
326	H <sub>2</sub> Predictive control of networked control systems. <i>International Journal of Control</i> , <b>2011</b> , 84, 1080-1097	1.5	38
325	Power Allocation Robust to Time-Varying Wireless Channels in Femtocell Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2806-2815	6.8	37
324	Resilient strategy design for cyber-physical system under DoS attack over a multi-channel framework. <i>Information Sciences</i> , <b>2018</b> , 454-455, 312-327	7.7	36
323	Adaptive fuzzy finite-time fault-tolerant attitude control of rigid spacecraft. <i>Journal of the Franklin Institute</i> , <b>2015</b> , 352, 4225-4246	4	36
322	A Novel Delta Operator Kalman Filter Design and Convergence Analysis. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2011</b> , 58, 2458-2468	3.9	36

321	Unified Multiobjective Optimization Scheme for Aeroassisted Vehicle Trajectory Planning. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2018</b> , 41, 1521-1530	2.1	36
320	Incentive-Aware Time-Sensitive Data Collection in Mobile Opportunistic Crowdsensing. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 7849-7861	6.8	35
319	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
318	Trajectory tracking for wheeled mobile robots via model predictive control with softening constraints. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 206-214	2.5	34
317	Distributed Stochastic MPC of Linear Systems With Additive Uncertainty and Coupled Probabilistic Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3474-3481	5.9	34
316	Discrete-Time Sliding Mode Control With Disturbance Rejection. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7967-7975	8.9	34
315	UKF-based nonlinear filtering over sensor networks with wireless fading channel. <i>Information Sciences</i> , <b>2015</b> , 316, 132-147	7.7	33
314	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2015</b> , 51, 2012-2026	3.7	33
313	Cooperative distributed stochastic MPC for systems with state estimation and coupled probabilistic constraints. <i>Automatica</i> , <b>2015</b> , 61, 89-96	5.7	33
312	Low frequency positive real control for delta operator systems. <i>Automatica</i> , <b>2012</b> , 48, 1791-1795	5.7	33
311	Composite Disturbance Rejection Attitude Control for Quadrotor With Unknown Disturbance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 6894-6903	8.9	33
310	Improved Gradient-Based Algorithm for Solving Aeroassisted Vehicle Trajectory Optimization Problems. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2017</b> , 40, 2093-2101	2.1	32
309	Robust Self-Triggered MPC With Adaptive Prediction Horizon for Perturbed Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 4780-4787	5.9	32
308	Multisensor Distributed Weighted Kalman Filter Fusion With Network Delays, Stochastic Uncertainties, Autocorrelated, and Cross-Correlated Noises. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 716-726	7.3	32
307	Compound Control Methodology for Flight Vehicles. <i>Lecture Notes in Control and Information Sciences</i> , <b>2013</b> ,	0.5	32
306	Distributed Federated Kalman Filter Fusion Over Multi-Sensor Unreliable Networked Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2016</b> , 63, 1714-1725	3.9	32
305	Adaptive neural network control of bilateral teleoperation with unsymmetrical stochastic delays and unmodeled dynamics. <i>International Journal of Robust and Nonlinear Control</i> , <b>2014</b> , 24, 1628-1652	3.6	31
304	Six-DOF Spacecraft Optimal Trajectory Planning and Real-Time Attitude Control: A Deep Neural Network-Based Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 5005-5013	10.3	31



303	Absolute stability analysis of non-linear active disturbance rejection control for single-input single-output systems via the circle criterion method. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 2320-2329	2.5	30
302	Finite-Time Tracking Control for a Class of Uncertain Strict-Feedback Nonlinear Systems With State Constraints: A Smooth Control Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 4920-4932	10.3	30
301	Two-Stage Trajectory Optimization for Autonomous Ground Vehicles Parking Maneuver. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3899-3909	11.9	30
300	Noise-to-State Stability of Random Switched Systems and Its Applications. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 1607-1612	5.9	29
299	Distributed cooperative control design for finite-time attitude synchronisation of rigid spacecraft. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1561-1570	2.5	29
298	Secure filtering for stochastic non-linear systems under multiple missing measurements and deception attacks. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 515-523	2.5	29
297	Flatness-based adaptive sliding mode tracking control for a quadrotor with disturbances. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 6300-6322	4	29
296	Angle Tracking Adaptive Backstepping Control for a Mechanism of Pneumatic Muscle Actuators via an AESO. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 4566-4576	8.9	29
295	Adaptive back-stepping sliding mode attitude control of missile systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2013</b> , 23, 1699-1717	3.6	28
294	Adaptive finite-time control for nonlinear teleoperation systems with asymmetric time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 2586-2607	3.6	28
293	Distributed Secure Filtering for Discrete-Time Systems Under Round-Robin Protocol and Deception Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3571-3580	10.2	28
292	Generalized Jensen inequalities with application to stability analysis of systems with distributed delays over infinite time-horizons. <i>Automatica</i> , <b>2016</b> , 69, 222-231	5.7	27
291	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , <b>2017</b> , 53, 2427-2437	3.7	26
290	Exponential stability of stochastic systems with hysteresis switching. <i>Automatica</i> , <b>2014</b> , 50, 599-606	5.7	26
289	Robust Mixed H <sub>2</sub> /H <sub>∞</sub> State-Feedback Control for Continuous-Time Descriptor Systems with Parameter Uncertainties. <i>Circuits, Systems, and Signal Processing</i> , <b>2005</b> , 24, 431-443	2.2	26
288	Finite-Time Synchronization for Chaotic Gyros Systems With Terminal Sliding Mode Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1131-1140	7.3	26
287	Adaptive Control of Semi-Autonomous Teleoperation System With Asymmetric Time-Varying Delays and Input Uncertainties. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3621-3633	10.2	25
286	Mars atmospheric entry guidance for reference trajectory tracking. <i>Aerospace Science and Technology</i> , <b>2015</b> , 45, 335-345	4.9	25



285	Event-triggered predictive control for networked control systems with network-induced delays and packet dropouts. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 1350-1365	3.6	25
284	Distributed fault-tolerant control design for spacecraft finite-time attitude synchronization. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 2994-3017	3.6	25
283	Receding horizon tracking control of unicycle-type robots based on virtual structure. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3900-3918	3.6	25
282	Security Research on Wireless Networked Control Systems Subject to Jamming Attacks. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2022-2031	10.2	25
281	Robust tracking control for wheeled mobile robot based on extended state observer. <i>Advanced Robotics</i> , <b>2016</b> , 30, 68-78	1.7	24
280	On the Robust Stability of Active Disturbance Rejection Control for SISO Systems. <i>Circuits, Systems, and Signal Processing</i> , <b>2017</b> , 36, 65-81	2.2	24
279	Position Control for Magnetic Rodless Cylinders With Strong Static Friction. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5806-5815	8.9	24
278	A Novel Switching-Based Control Framework for Improved Task Performance in Teleoperation System With Asymmetric Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 625-638	10.2	24
277	Nonlinear attitude tracking control for spacecraft formation with multiple delays. <i>Advances in Space Research</i> , <b>2014</b> , 54, 759-769	2.4	24
276	Distributed model predictive control for consensus of nonlinear second-order multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 830-842	3.6	24
275	Sliding Mode Control for Linear Systems with Time-Varying Input and State Delays. <i>Circuits, Systems, and Signal Processing</i> , <b>2011</b> , 30, 629-641	2.2	24
274	Design and Implementation of Deep Neural Network-Based Control for Automatic Parking Maneuver Process. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , PP,	10.3	24
273	Predictive Cloud Control for Networked Multiagent Systems With Quantized Signals Under DoS Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 1345-1353	7.3	24
272	Bessel-Laguerre inequality and its application to systems with infinite distributed delays. <i>Automatica</i> , <b>2019</b> , 109, 108562	5.7	23
271	Neural network-based reconfiguration control for spacecraft formation in obstacle environments. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2442-2456	3.6	23
270	Remote Nonlinear State Estimation With Stochastic Event-Triggered Sensor Schedule. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 734-745	10.2	23
269	Event-triggered UKF for nonlinear dynamic systems with packet dropout. <i>International Journal of Robust and Nonlinear Control</i> , <b>2017</b> , 27, 4208-4226	3.6	22
268	Multicontroller Positioning Strategy for a Pneumatic Servo System Via Pressure Feedback. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 4800-4809	8.9	22

- 267 Frequency domain stability analysis of nonlinear active disturbance rejection control system. *ISA Transactions*, **2015**, 56, 188-95 5.5 22
- 266 Incentive Mechanism Design in Mobile Opportunistic Data Collection With Time Sensitivity. *IEEE Internet of Things Journal*, **2018**, 5, 246-256 10.7 22
- 265 Multiobjective Optimal Parking Maneuver Planning of Autonomous Wheeled Vehicles. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10809-10821 8.9 22
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92	Distributed secure estimation for cyber-physical systems with fading measurements and false data injection attacks. <i>International Journal of Systems Science</i> , <b>2020</b> , 51, 2746-2766	2.3	3
91	Modified ADRC for Inertial Stabilized Platform With Corrected Disturbance Compensation and Improved Speed Observer. <i>IEEE Access</i> , <b>2020</b> , 8, 157703-157716	3.5	3
90	Event-Triggered Distributed MPC With Variable Prediction Horizon. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 1-1	5.9	3
89	Adaptive sliding mode disturbance observerBased funnel trajectory tracking control of quadrotor with external disturbances. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 1778-1788	2.5	3
88	Distributed Covariance Intersection Fusion Estimation With Delayed Measurements and Unknown Inputs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 1-9	7.3	3

87	Event-triggered sequential fusion estimation with correlated noises. <i>ISA Transactions</i> , <b>2020</b> , 102, 154-163	3.5	3
86	Distributed Robust Kalman Filtering for Markov Jump Systems With Measurement Loss of Unknown Probabilities. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
85	An Improved Artificial Potential Field Method for Path Planning and Formation Control of the Multi-UAV Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	3
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83	Trajectory Tracking Control for Under-Actuated Hovercraft Using Differential Flatness and Reinforcement Learning-Based Active Disturbance Rejection Control. <i>Journal of Systems Science and Complexity</i> , <b>2022</b> , 35, 502-521	1	3
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61	Optimal linear estimation with square-based sampling. <i>Information Sciences</i> , <b>2015</b> , 298, 225-236	7.7	1
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59	Optimal sequential estimation for multirate dynamic systems with unreliable measurements and correlated noise <b>2016</b> ,		1
58	Fuzzy Broad Learning System based on Accelerating Amount. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	1
57	Finite-Time Composite Disturbance Rejection Control for Discrete-Time Markovian Jump Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
56	Multi-event triggered sliding mode control for a class of complex dynamic network. <i>IEEE Transactions on Control of Network Systems</i> , <b>2021</b> , 1-1	4	1
55	A new particle filter based on smooth variable structure filter. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2020</b> , 34, 32-41	2.8	1
54	Distributed consensus-based estimation with unknown inputs and random link failures. <i>Automatica</i> , <b>2020</b> , 122, 109259	5.7	1
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50	Structural controllability of networked relative coupling systems. <i>Automatica</i> , <b>2021</b> , 128, 109547	5.7	1
49	Resilient strategy design for cyber-physical system under active eavesdropping attack. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 5281-5304	4	1
48	Control From the Cloud <b>2019</b> , 127-165		1
47	A Dual Closed-loop Control Scheme for Quadrotor under Disturbances <b>2019</b> ,		1
46	Time optimal model predictive control for linear systems based on ellipsoidal and polytopic sets. <i>International Journal of Control</i> , <b>2019</b> , 1-9	1.5	1
45	A Feedback Linearization and Saturated Control Structure for Quadrotor UAV <b>2019</b> ,		1
44	A complete stability analysis for planar delta operator systems subject to state saturation. <i>Asian Journal of Control</i> , <b>2020</b> , 22, 1537-1546	1.7	1
43	Nonlinear MPC with time-varying terminal cost for tracking unreachable periodic references. <i>Automatica</i> , <b>2021</b> , 123, 109337	5.7	1
42	Truly Distributed Finite-Time Attitude Formation-Containment Control for Networked Uncertain Rigid Spacecraft. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	1
41	Distributed Stochastic MPC for Networked Linear Systems With a Multirate Sampling Mechanism. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	1
40	SHWS: Stochastic Hybrid Workflows Dynamic Scheduling in Cloud Container Services. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 1-17	4.9	1
39	Data-Driven Filtering for Nonlinear Systems With Bounded Noises and Quantized Measurements. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2018</b> , 65, 3404-3413	3.9	1
38	Event-based distributed filtering against deception attacks for sensor networks with quantization effect. <i>ISA Transactions</i> , <b>2021</b> ,	5.5	1
37	Recursive distributed fusion estimation for nonlinear stochastic systems with event-triggered feedback. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 7286-7307	4	1
36	Predefined performance adaptive control of robotic manipulators with dynamic uncertainties and input saturation constraints. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 7142-7169	4	1
35	Privacy-Preserving Dual Averaging with Arbitrary Initial Conditions for Distributed Optimization. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	1
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31	A Brief Survey on Recent Advances in Cloud Control Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	1
30	Stackelberg game for secure estimation of linear systems subject to unknown input and smart jamming. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 3056-3074	4	0
29	Application of the Networked Predictive Control in Servo Systems. <i>Circuits, Systems, and Signal Processing</i> , <b>2013</b> , 32, 1537-1549	2.2	0
28	Active Disturbance Rejection Altitude Control for a QuadPlane. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 329-342	0.2	0
27	Model Predictive Control for Linear Systems under Relaxed Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	0
26	Disturbance rejection MPC framework for input-affine nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	0
25	Optimal Estimation for Multirate Systems with Unreliable Measurements and Correlated Noise <b>2020</b> , 199-222		0
24	Finite-time cooperative attitude control for leader-follower spacecraft with fixed-time observer. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 7013-7030	3.6	0
23	Dense Incremental Extreme Learning Machine with Accelerating Amount and Proportional Integral Differential. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 89-100	0.9	0
22	Quantized Stabilization of Continuous-Time Switched Systems With Delay and Disturbance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-14	7.3	0
21	Convex model predictive control for collision avoidance. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 1270-1285	2.5	0
20	A New Compound Control for Mars Entry Guidance. <i>Advances in Space Research</i> , <b>2018</b> , 62, 580-592	2.4	0
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17	Semi-global stabilisation with guaranteed regional performance for delta operator systems subject to actuator saturation. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 1127-1133	2.5	
16	Null controllable region of delta operator systems subject to actuator saturation. <i>International Journal of Control</i> , <b>2016</b> , 89, 1509-1521	1.5	

15	Discussion on: "Practical Stability of Time-Delay Systems: LMI's Approach". <i>European Journal of Control</i> , <b>2011</b> , 17, 142-144	2.5
14	Linear Feedback Control. <i>Advances in Industrial Control</i> , <b>2022</b> , 165-177	0.3
13	Distributed robust MPC for nonholonomic robots with obstacle and collision avoidance. <i>Control Theory and Technology</i> , <b>2022</b> , 20, 32	1
12	Event-Triggered Sequential Fusion for Systems with Correlated Noises <b>2021</b> , 165-186	
11	Distributed Fusion Estimation for Multisensor Systems with Heavy-Tailed Noises <b>2021</b> , 189-211	
10	Fusion Estimation for Linear Systems with Cross-Correlated Sensor Noises <b>2021</b> , 33-51	
9	Distributed Data Fusion for Multirate Sensor Networks <b>2021</b> , 53-68	
8	State Estimation for Multirate Systems with Unreliable Measurements <b>2021</b> , 69-81	
7	Distributed Fusion Estimation for Systems with Network Delays and Uncertainties <b>2021</b> , 83-103	
6	State Estimation of Asynchronous Multirate Multisensor Systems <b>2021</b> , 105-122	
5	Event-Triggered Centralized Fusion for Correlated Noise Systems <b>2021</b> , 125-141	
4	Active Disturbance Rejection Control of Independent Cooling Systems with Additive Actuator Fault: AMESim and Simulink Co-simulation Study. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 1951-1960	0.2
3	Robust Control for Markov Jump Systems. <i>Studies in Systems, Decision and Control</i> , <b>2019</b> , 291-308	0.8
2	State estimation techniques <b>2021</b> , 331-384	
1	Corrigendum to Disturbance observer based adaptive fuzzy sliding mode control: A dynamic sliding surface approach [Automatica 129 (2021) 109606]. <i>Automatica</i> , <b>2022</b> , 110413	5.7