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On the convergence of an extended state observer for nonlinear systems with uncertainty

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#	Paper	IF	Citations
599	Adaptive control and signal processing literature survey (No. 26). 2011 , 25, 943-948		
598	Application research on data-based third-order linear extended state observer filter for hot strip width. 2012 ,		1
597	On model-free accommodation of actuator nonlinearities. 2012 ,		5
596	Robust high order augmented observer based control for nonlinear systems. 2012 ,		3
595	Sliding mode and active disturbance rejection control to stabilization of one-dimensional anti-stable wave equations subject to disturbance in boundary input. 2012 ,		1
594	On convergence of nonlinear active disturbance rejection for SISO systems. 2012 ,		21
593	Robust Attitude Control of Quadrotor Vehicle via Extended State Observer. 2013 , 373-375, 1445-1448		3
592	On Convergence of the Nonlinear Active Disturbance Rejection Control for MIMO Systems. 2013 , 51, 1727-1757		177
591	Performance Analysis of Generalized Extended State Observer in Tackling Sinusoidal Disturbances. 2013 , 21, 2212-2223		136
590	The active disturbance rejection and sliding mode control approach to the stabilization of the Euler-Bernoulli beam equation with boundary input disturbance. <i>Automatica</i> , 2013 , 49, 2911-2918	5.7	155
589	An Active Disturbance Rejection Based Approach to Vibration Suppression in Two-Inertia Systems. <i>Asian Journal of Control</i> , 2013 , 15, 350-362	1.7	78
588	The stability for a one-dimensional wave equation with nonlinear uncertainty on the boundary. 2013 , 89, 202-207		7
587	On Low-Velocity Compensation of Brushless DC Servo in the Absence of Friction Model. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 3897-3905	8.9	49
586	Sliding Mode and Active Disturbance Rejection Control to Stabilization of One-Dimensional Anti-Stable Wave Equations Subject to Disturbance in Boundary Input. 2013 , 58, 1269-1274		130
585	Frequency-Domain Analysis of Nonlinear Active Disturbance Rejection Control via the Describing Function Method. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 3906-3914	8.9	95
584	On frequency-domain analysis of ADRC for uncertain system. 2013 ,		4
583	A survey on active disturbance rejection control. 2013 ,		12

582	On observer-based Active Vibration Control of two-inertia systems. 2013,		1
581	. 2013,		1
580	Robust Coordinated Control Algorithm for Multiple Marine Vessels with External Disturbances. 2013, 2013, 1-8		
579	Two approaches to the stabilization of Euler-Bernoulli beam equation with control matched disturbance. 2013,		
578	Output L ¹ Neural Dynamic Surface Control for Large Inertia Servo Systems. 2013, 46, 555-560		
577	Output feedback stabilization of multi-dimensional Kirchhoff equation with general corrupted boundary observation by active disturbance rejection control. 2014,		
576	Active Disturbance Rejection Control for Piezoelectric Beam. <i>Asian Journal of Control</i> , 2014, 16, 1612-1622		10
575	On combining active disturbance rejection with adaptive inverse control for fast tracking at low bandwidth. 2014,		1
574	A Novel Method of Robust Trajectory Linearization Control Based on Disturbance Rejection. 2014, 2014, 1-10		6
573	Observer based inverse optimal attitude stabilization control of spacecraft with uncertainties. 2014		1
572	Tracking in interconnected gantry crane systems: A decentralized Active Disturbance Rejection Control. 2014,		0
571	Vibration suppression and sliding mode attitude control of flexible spacecraft with unknown disturbance and uncertainty. 2014,		2
570	The stability for a one-dimensional unstable heat equation with nonlinear boundary uncertainty disturbance. 2014,		
569	Decentralized active disturbance rejection control of power converters serving a time varying load. 2014,		6
568	Output feedback stabilization of an unstable wave equation with general corrupted boundary observation. <i>Automatica</i> , 2014, 50, 3164-3172	5-7	22
567	Active disturbance rejection control for synchronization of different fractional-order chaotic systems. 2014,		
566	On Design Analysis of Linear Active Disturbance Rejection Control for Uncertain System. 2014, 7, 225-236		6
565	A composite controller strategy for electromechanical actuator using a permanent-magnet synchronous motor. 2014,		0

564	Sliding mode control and active disturbance rejection control to the stabilization of one-dimensional Schrödinger equation subject to boundary control matched disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2014 , 24, 2194-2212	3.6	78
563	Control design for the SISO system with the unknown order and the unknown relative degree. <i>ISA Transactions</i> , 2014 , 53, 858-72	5.5	48
562	Posture adaptive control of the flexible grinding head for blisk manufacturing. 2014 , 70, 1989-2001		22
561	Active disturbance rejection control: methodology and theoretical analysis. <i>ISA Transactions</i> , 2014 , 53, 963-76	5.5	423
560	Predictive active disturbance rejection control for processes with time delay. <i>ISA Transactions</i> , 2014 , 53, 873-81	5.5	84
559	Practical solution to attitude control within wide envelope. 2014 , 86, 117-128		16
558	Modified active disturbance rejection control for time-delay systems. <i>ISA Transactions</i> , 2014 , 53, 882-8	5.5	114
557	Output prediction based active disturbance rejection control approach and its application in structural vibration. 2014 ,		0
556	Generalized predictive control with dynamic compensation for quadrotor attitude stabilization. 2014 ,		1
555	Active disturbance rejection control: Methodology, practice and analysis. 2014 ,		14
554	An active disturbance rejection control approach for decentralized tracking in interconnected systems. 2014 ,		5
553	Development and Active Disturbance Rejection Control of a Compliant Micro-/Nanopositioning Piezostage With Dual Mode. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1475-1492	8.9	113
552	Differential particle swarm evolution for robot control tuning. 2014 ,		6
551	Extended-State-Observer-Based Output Feedback Nonlinear Robust Control of Hydraulic Systems With Backstepping. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6285-6293	8.9	427
550	Stabilization of Euler-Bernoulli Beam Equation with Boundary Moment Control and Disturbance by Active Disturbance Rejection Control and Sliding Mode Control Approaches. 2014 , 20, 539-558		30
549	Active Disturbance Rejection Control for Rejecting Boundary Disturbance from Multidimensional Kirchhoff Plate via Boundary Control. 2014 , 52, 2800-2830		26
548	Guidance law against maneuvering targets with intercept angle constraint. <i>ISA Transactions</i> , 2014 , 53, 1332-42	5.5	47
547	GPI based velocity/force observer design for robot manipulators. <i>ISA Transactions</i> , 2014 , 53, 929-38	5.5	38

546	Active disturbance rejection control based on weighed-moving-average-state-observer. 2014 , 411, 354-361		4
545	Event-driven output feedback control for a class of nonlinear systems subject to disturbances. 2015 ,		
544	Autonomous vehicle following control based on an extended state observer. 2015 ,		0
543	Sliding Mode Attitude Controller Design Based on ESO for Flexible Satellite without Angular Rate Measurement. 2015 ,		
542	. 2015 ,		
541	Dynamics and Trajectory Planning for Reconfigurable Space Multibody Robots. 2015 , 137,		10
540	Distributed disturbance estimator and application to stabilization of multi-dimensional kirchhoff equation. 2015 ,		
539	On the absolute stability of nonlinear ADRC for SISO systems. 2015 ,		1
538	ADRC With Adaptive Extended State Observer and its Application to AirFuel Ratio Control in Gasoline Engines. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5847-5857	8.9	208
537	An improved detecting approach of harmonic current in single-phase active power filter based on tracking differentiator. 2015 ,		1
536	Synchronization control of multiple surface vessels without velocity measurements. 2015 ,		3
535	. 2015 ,		
534	Design and analysis of time-varying extended state observer. 2015 ,		1
533	Disturbance and plant uncertainties attenuation for a class of nonlinear systems using GPI technique. 2015 ,		
532	Novel Augmented Extended State Observer Design. 2015 ,		1
531	Lateral control for autonomous lane keeping system on highways. 2015 ,		3
530	Disturbance rejection control solution for ship steering system with uncertain time delay. <i>Ocean Engineering</i> , 2015 , 95, 78-83	3.9	42
529	Neural Active Disturbance Rejection Output Control of Multimotor Servomechanism. 2015 , 23, 746-753		45

528	On active disturbance rejection control for nonlinear systems using time-varying gain. 2015 , 23, 62-70		66
527	The active disturbance rejection control approach to stabilisation of coupled heat and ODE system subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2015 , 88, 1554-1564	1.5	31
526	High angle of attack command generation technique and tracking control for agile missiles. 2015 , 45, 324-334		10
525	Flatness-based active disturbance rejection control for linear systems with unknown time-varying coefficients. <i>International Journal of Control</i> , 2015 , 88, 2578-2587	1.5	12
524	The Active Disturbance Rejection Control to Stabilization for Multi-Dimensional Wave Equation With Boundary Control Matched Disturbance. 2015 , 60, 143-157		97
523	Control of uncertain nonlinear systems based on observers and estimators. <i>Automatica</i> , 2015 , 59, 35-47	5.7	73
522	Stability analysis of the anti-stable heat equation with uncertain disturbance on the boundary. 2015 , 428, 1193-1201		4
521	Robust Control for a Class of Nonaffine Nonlinear Systems Based on the Uncertainty and Disturbance Estimator. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5881-5888	8.9	119
520	Absolute stability analysis of non-linear active disturbance rejection control for single-input single-output systems via the circle criterion method. 2015 , 9, 2320-2329		30
519	Extended state observer for uncertain lower triangular nonlinear systems. <i>Systems and Control Letters</i> , 2015 , 85, 100-108	2.4	57
518	A novel extended state observer. <i>ISA Transactions</i> , 2015 , 58, 309-17	5.5	47
517	A Class of Adaptive Extended State Observers for Nonlinear Disturbed Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5858-5869	8.9	109
516	Active disturbance rejection control: From an enduring idea to an emerging technology. 2015 ,		27
515	On convergence of extended state observers for discrete-time nonlinear systems. 2015 ,		6
514	Output Feedback Stabilization for One-Dimensional Wave Equation Subject to Boundary Disturbance. 2015 , 60, 824-830		92
513	Extended-state-observer-based adaptive control for synchronisation of multi-agent systems with unknown nonlinearities. 2015 , 46, 2520-2530		15
512	A modified dynamic surface approach for control of nonlinear systems with unknown input dead zone. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1145-1167	3.6	27
511	Adaptive nonsingular terminal sliding mode guidance law against maneuvering targets with impact angle constraint. 2015 , 229, 867-890		20

510	On observer for a class of uncertain nonlinear systems. <i>Nonlinear Dynamics</i> , 2015 , 79, 359-368	5	6
509	Sliding Mode Control to Stabilization of a Tip-Force Destabilized Shear Beam Subject to Boundary Control Matched Disturbance. 2016 , 22, 117-128		8
508	A Linear Active Disturbance Rejection Control for a Ball and Rigid Triangle System. 2016 , 2016, 1-11		12
507	Lateral Control System for Autonomous Lane Change System on Highways. 2016 , 9, 877-884		11
506	Active disturbance rejection control for nonlinear fractional-order systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 876-892	3.6	45
505	Anti-windup design for uncertain nonlinear systems subject to actuator saturation and external disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 3421-3438	3.6	27
504	Active disturbance rejection control approach to stabilization of lower triangular systems with uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 2314-2337	3.6	23
503	Robust trajectory following without availability of the reference time-derivatives in the control scheme with active disturbance rejection. 2016 ,		15
502	Tracking of stribeck friction based on second-order linear extended state observer. 2016 ,		2
501	Active disturbance rejection control for fluidized bed combustor. 2016 ,		6
500	Active disturbance rejection control of linear induction motor. 2016 ,		1
499	Robust sliding mode control with ESO for dual-control missile. <i>Journal of Systems Engineering and Electronics</i> , 2016 , 27, 1073-1082	1.3	2
498	A distributed ESO based cooperative current-sharing strategy for parallel charging systems under disturbances. 2016 ,		1
497	Estimation of decentralized unknown dynamics for a 2DOF manipulator using a time varying extended state observer. 2016 ,		1
496	Active disturbance rejection based iterative learning control. 2016 ,		2
495	LADRC with Genetic Algorithm based course tracking for autonomous surface vehicle. 2016 ,		
494	Simultaneous regulation of position and orientation for nonholonomic mobile robot. 2016 ,		4
493	Nonlinear disturbance observer-based control for a class of nonlinear systems. 2016 ,		5

492	Compensation for quantized input control systems with impulsive extend state observer. 2016,		1
491	Active disturbance rejection control approach to output-feedback stabilization of MIMO systems with stochastic uncertainty. 2016,		
490	Three dimensional impact angle constrained integrated guidance and control for missiles with input saturation and actuator failure. 2016, 53, 169-187		58
489	Comments on "Controller design for rigid spacecraft attitude tracking with actuator saturation" <i>Information Sciences,</i> 2016, 342, 150-152	7.7	1
488	Extended state observer for uncertain lower triangular nonlinear systems subject to stochastic disturbance. 2016, 14, 179-188		2
487	Sampled-data extended state observer for uncertain nonlinear systems. 2016, 14, 189-198		2
486	Robust partial integrated guidance and control for missiles via extended state observer. <i>ISA Transactions,</i> 2016, 65, 27-36	5.5	19
485	Active disturbance rejection control: between the formulation in time and the understanding in frequency. 2016, 14, 250-259		30
484	Active Disturbance Rejection Control: from ODEs to PDEs**This work was carried out with the support of the National Natural Science Foundation of China and the National Research Foundation of South Africa.. 2016, 49, 278-283		8
483	UDE-based robust control for nonlinear systems with mismatched uncertainties and input saturation. 2016,		
482	Proceedings of 2016 Chinese Intelligent Systems Conference. 2016,		
481	On convergence of nonlinear extended stated observers with switching functions. 2016,		1
480	On the sensorless rotor position control of the permanent magnet synchronous motor: An active disturbance rejection approach. 2016,		3
479	Active disturbance rejection and predictive control strategy for a quadrotor helicopter. 2016, 10, 2213-2222		64
478	References. 2016, 341-348		
477	Robust flat filtering DSP based control of the boost converter. 2016, 14, 224-236		11
476	Design and real-time implementation of perturbation observer based sliding-mode control for VSC-HVDC systems. <i>Control Engineering Practice,</i> 2016, 56, 13-26	3.9	32
475	Event-triggered control for stabilization of a class of nonlinear systems based on extended state observer. 2016,		

474	Mechanical resonance suppression and disturbance rejection of 2-inertia system with observer-based feedback control. 2016,		
473	. 2016,		10
472	Add-on module of Active Disturbance Rejection for set-point tracking of motion control systems. 2016,		0
471	Stabilization of one-dimensional wave equation with pointwise dissipation and external disturbance. 2016,		
470	Nonlinear Servo Motion Control Based on Unknown Input Observer. 2016, 541-550		2
469	Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. 2016, 28, 38-48		7
468	Composite disturbance rejection control based on generalized extended state observer. <i>ISA Transactions</i> , 2016, 63, 377-386	5.5	21
467	Direct power control of DFIG wind turbine systems based on an intelligent proportional-integral sliding mode control. <i>ISA Transactions</i> , 2016, 64, 431-439	5.5	63
466	Output Regulation and Active Disturbance Rejection Control: Unified Formulation and Comparison. <i>Asian Journal of Control</i> , 2016, 18, 1668-1678	1.7	11
465	Finite-time attitude control for flexible spacecraft with unknown bounded disturbance. 2016, 38, 240-249		35
464	Distributed disturbance estimator and application to stabilization for multi-dimensional wave equation with corrupted boundary observation. <i>Automatica</i> , 2016, 66, 25-33	5.7	9
463	Sliding mode control based impact angle control guidance considering the seeker's field-of-view constraint. <i>ISA Transactions</i> , 2016, 61, 49-59	5.5	33
462	Proceedings of the 2015 Chinese Intelligent Systems Conference. 2016,		1
461	Disturbance-Observer-Based Control and Related Methods—An Overview. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 1083-1095	8.9	1184
460	The active disturbance rejection control of the rotating diskBeam system with boundary input disturbances. <i>International Journal of Control</i> , 2016, 89, 2322-2335	1.5	15
459	Model-free control of quad-rotor vehicle via finite-time convergent extended state observer. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 242-254	2.9	27
458	On Convergence of Nonlinear Active Disturbance Rejection Control for SISO Nonlinear Systems. 2016, 22, 385-412		51
457	An analysis and design method for a class of nonlinear systems with nested saturations. <i>International Journal of Control</i> , 2016, 89, 1711-1724	1.5	10

456	Obstacle avoidance and active disturbance rejection control for a quadrotor. 2016 , 190, 60-69		41
455	Stabilisation of unstable cascaded heat partial differential equation system subject to boundary disturbance. 2016 , 10, 1027-1039		16
454	Output feedback stabilisation for a cascaded wave PDE-ODE system subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2016 , 89, 2396-2405	1.5	21
453	Extended State Observer based robust attitude control of spacecraft with input saturation. 2016 , 50, 173-182		62
452	Extended State Observer based control for coaxial-rotor UAV. <i>ISA Transactions</i> , 2016 , 61, 1-14	5.5	49
451	Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control. <i>Automatica</i> , 2016 , 63, 302-310	5.7	109
450	. 2016 , 65, 4379-4392		46
449	Active Disturbance Rejection Control Approach to Output-Feedback Stabilization of a Class of Uncertain Nonlinear Systems Subject to Stochastic Disturbance. 2016 , 61, 1613-1618		83
448	Boundary stabilization of a cascade of ODE-wave systems subject to boundary control matched disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 252-280	3.6	31
447	State and Unknown Input Observers for Nonlinear Systems With Bounded Exogenous Inputs. 2017 , 62, 5497-5510		46
446	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5608-5621	8.9	55
445	A singular adaptive attitude control with active disturbance rejection. 2017 , 35, 50-56		16
444	Active Disturbance Rejection in Affine Nonlinear Systems Based on Equivalent-Input-Disturbance Approach. <i>Asian Journal of Control</i> , 2017 , 19, 1767	1.7	7
443	A Robust Flywheel Energy Storage System Discharge Strategy for Wide Speed Range Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7862-7873	8.9	17
442	A nonlinear extended state observer based on fractional power functions. <i>Automatica</i> , 2017 , 81, 286-296	5.7	75
441	A multi-innovation state and parameter estimation algorithm for a state space system with d-step state-delay. 2017 , 140, 97-103		104
440	A state-compensation extended state observer for model predictive control. 2017 , 36, 1-9		11
439	Robust absolute stability analysis for interval nonlinear active disturbance rejection based control system. <i>ISA Transactions</i> , 2017 , 69, 122-130	5.5	17

438	Active Disturbance Rejection Control of Linear Induction Motor. 2017 , 53, 4460-4471		39
437	Stabilization for the multi-dimensional heat equation with disturbance on the controller. <i>Automatica</i> , 2017 , 82, 319-323	5.7	1
436	Active disturbance rejection control approach to output-feedback stabilization of lower triangular nonlinear systems with stochastic uncertainty. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 2773-2797	3.6	13
435	. 2017 , 53, 2572-2582		85
434	Output feedback stabilization for a Kirchhoff-type nonlinear beam with general corrupted boundary observation. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 3280-3295	3.6	2
433	The stability of Schrödinger equation with boundary control matched disturbance. <i>Journal of Systems Science and Complexity</i> , 2017 , 30, 1258-1269	1	1
432	Servo system design for speed control of AC induction motors using polynomial differential operator. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 1207-1216	2.9	7
431	Active disturbance rejection control: Old and new results. 2017 , 44, 238-248		63
430	Algebraic estimation and active disturbance rejection in the control of flat systems. <i>Control Engineering Practice</i> , 2017 , 61, 173-182	3.9	13
429	Add-On Module of Active Disturbance Rejection for Set-Point Tracking of Motion Control Systems. 2017 , 53, 4028-4040		61
428	A Backstepping Approach to Decentralized Active Disturbance Rejection Control of Interacting Boost Converters. 2017 , 53, 4063-4072		22
427	Asymptotic Reference Tracking and Disturbance Rejection of UDE-Based Robust Control. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3166-3176	8.9	74
426	Output tracking for a class of nonlinear systems with mismatched uncertainties by active disturbance rejection control. <i>Systems and Control Letters</i> , 2017 , 100, 21-31	2.4	53
425	Stabilization of a Wave Equation with a Tip Mass Based on Disturbance Observer of Time-Varying Gain. 2017 , 23, 667-677		2
424	. 2017 , 62, 5830-5836		59
423	Multi-objective optimization for advanced superheater steam temperature control in a 300 MW power plant. 2017 , 208, 592-606		68
422	Global robust regulation control for a class of cascade nonlinear systems subject to external disturbance. <i>Nonlinear Dynamics</i> , 2017 , 90, 1209-1222	5	11
421	Integral sliding mode control of a bilateral teleoperation system based on extended state observers. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2118-2125	2.9	8

420	Output feedback control based on extended state observer for nonholonomic systems. 2017,		1
419	Adaptive quaternion tracking with nonlinear extended state observer. 2017, 139, 494-501		8
418	A Robust Control Interpretation on Generalized Separation Principle of Active Disturbance Rejection Control. 2017,		
417	Backstepping and ADRC Techniques Applied to One-DOF Link Manipulator with External Disturbances and Input Saturation. 2017, 81-89		
416	On the ADRC of Non-Differentially Flat, Underactuated, Nonlinear Systems: An Experimental Case Study. 2017,		1
415	Linear-quadratic output regulator with disturbance rejection: Application to vehicle launch control. 2017,		2
414	Control of Asteroid-Hovering Spacecraft with Disturbance Rejection Using Position-Only Measurements. 2017, 40, 2401-2416		23
413	ESO-based robust predictive control of lunar module with fuel sloshing dynamics. 2017, 24, 589-598		3
412	Low-complexity differentiator-based decentralized fault-tolerant control of uncertain large-scale nonlinear systems with unknown dead zone. <i>Nonlinear Dynamics</i> , 2017, 89, 2573-2592	5	32
411	Extended State Observer-Based Sliding Mode Control for Multi-input Multi-output System with Multiple Disturbances. 2017, 28, 11-25		6
410	Semi-global sampled-data output feedback disturbance rejection control for a class of uncertain nonlinear systems. 2017, 48, 757-768		8
409	A new kind of nonlinear disturbance observer for nonlinear systems with applications to cruise control of air-breathing hypersonic vehicles. <i>International Journal of Control</i> , 2017, 90, 1935-1950	1.5	16
408	On the conditions of exponential stability in active disturbance rejection control based on singular perturbation analysis. <i>International Journal of Control</i> , 2017, 90, 2085-2097	1.5	51
407	Robust ADRC for nonlinear time-varying system with uncertainties. 2017,		2
406	Active disturbance rejection control for electrical cylinder. 2017,		1
405	A flight control system for parafoils based on improved PID control approach. 2017,		1
404	Robust Design of the Uncertainty and Disturbance Estimator. 2017, 50, 8262-8267		5
403	Consensus for linear agents with unknown parameters. 2017, 50, 2505-2510		1

402	Frequency response analysis on modified plant of extended state observer. 2017,	2
401	One-DOF link manipulator control through active disturbance rejection approach. 2017,	1
400	On stability of sampled-data extended state observer for networked systems. 2017,	
399	Finite-time attitude control of aircrafts based on the extended state observer. 2017,	
398	Extended state observer design for autonomous surface vehicles using position-yaw measurements. 2017,	1
397	ESO based spacecraft quantized attitude control with disturbance. 2017,	2
396	Reheated steam temperature control in thermal power plant using integral-linear active disturbance rejection control. 2017,	
395	A new extended state observer for output tracking of nonlinear MIMO systems. 2017,	3
394	Second-Order Sliding Mode Control of Power Converters Using Different Disturbance Observers for DC-Link Voltage Regulation. 2017,	7
393	Finite-Time Tracking Control for a Class of MIMO Nonlinear Systems with Unknown Asymmetric Saturations. 2017, 2017, 1-10	1
392	A variable coefficient nonsingular fast terminal sliding mode control method based on ESO. 2017,	
391	On stability and robustness of linear active disturbance rejection control: A small gain theorem approach. 2017,	3
390	Event-triggered active disturbance rejection control for nonlinear stochastic systems. 2017,	1
389	Backstepping active disturbance rejection control: a delayed activation approach. 2017, 11, 2336-2342	15
388	Introduction. 2017, 1-11	3
387	Generalized Proportional Integral Control. 2017, 299-337	
386	Performance analysis of nonlinear observers applied to the fixed-wing unmanned aerial vehicles flight under decoupled-reduced model. 2017, 9, 111-123	4
385	Performance Assessment of Discrete-Time Extended State Observers: Theoretical and Experimental Results. 2018, 65, 2256-2268	12

384	Adaptive Backstepping-Based Neural Network Control for Hypersonic Reentry Vehicle With Input Constraints. <i>IEEE Access</i> , 2018 , 6, 1954-1966	3.5	16
383	Position Control for Magnetic Rodless Cylinders With Strong Static Friction. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5806-5815	8.9	24
382	On extended state based Kalman filter design for a class of nonlinear time-varying uncertain systems. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	33
381	On convergence of the discrete-time nonlinear extended state observer. <i>Journal of the Franklin Institute</i> , 2018 , 355, 501-519	4	9
380	Enhanced extended state observer-based control for systems with mismatched uncertainties and disturbances. <i>ISA Transactions</i> , 2018 , 73, 1-10	5.5	36
379	Sliding mode control for a two-joint coupling nonlinear system based on extended state observer. <i>ISA Transactions</i> , 2018 , 73, 130-140	5.5	23
378	On the active disturbance rejection control of the permanent magnet synchronous motor. 2018 ,		5
377	Distributed ESO based cooperative tracking control for high-order nonlinear multiagent systems with lumped disturbance and application in multi flight simulators systems. <i>ISA Transactions</i> , 2018 , 74, 217-228	5.5	9
376	Adaptive Robust Control for Mirror-Stabilized Platform With Input Saturation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	1
375	Robust controller design for compound control missile with fixed bounded convergence time. <i>Journal of Systems Engineering and Electronics</i> , 2018 , 29, 116-133	1.3	1
374	Point-to-point motions control of an electromagnetic direct-drive gas valve. 2018 , 32, 363-371		4
373	Real-Time Sliding Mode Observer Scheme for Shear Force Estimation in a Transverse Dynamic Force Microscope. <i>Asian Journal of Control</i> , 2018 , 20, 1317-1328	1.7	4
372	Output-Feedback Path-Following Control of Autonomous Underwater Vehicles Based on an Extended State Observer and Projection Neural Networks. 2018 , 48, 535-544		177
371	Automobile EPS temperature observation method based on extended state observer. <i>Journal of the Franklin Institute</i> , 2018 , 355, 9108-9126	4	1
370	Adaptive disturbance compensation finite control set optimal control for PMSM systems based on sliding mode extended state observer. 2018 , 98, 402-414		46
369	Stabilisation of a thermo-elastic system under nonuniformly bounded disturbances in the boundary input. <i>International Journal of Control</i> , 2018 , 91, 1896-1905	1.5	1
368	On Finite-Time Stabilization of Active Disturbance Rejection Control for Uncertain Nonlinear Systems. <i>Asian Journal of Control</i> , 2018 , 20, 415-424	1.7	19
367	Sliding Mode Control Devoid of State Measurements. 2018 , 73-102		2

366	Adaptive Attitude Tracking with Active Uncertainty Rejection. 2018 , 41, 550-558		26
365	Robust Voltage Control for an Electrostatic Micro-Actuator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	4
364	Performance analysis of 2-DOF tracking control for a class of nonlinear uncertain systems with discontinuous disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 1456-1473	3.6	55
363	Extended-State-Observer-Based Collision-Free Guidance Law for Target Tracking of Autonomous Surface Vehicles with Unknown Target Dynamics. <i>Complexity</i> , 2018 , 2018, 1-10	1.6	11
362	Extended State Observer Based Hierarchical Control for quadrotor UAV. 2018 ,		0
361	A Wind Estimation Method with an Unmanned Rotorcraft for Environmental Monitoring Tasks. 2018 , 18,		17
360	Sliding-Mode Perturbation Observer-Based Sliding-Mode Control for VSC-HVDC Systems. 2018 ,		1
359	Filtered Smith Predictor using Disturbance Compensator for First and Second-order Plants with Time-Delay. 2018 ,		1
358	Composite PID Control with Unknown Dynamics Estimator for Rotomagnet Plant. 2018 , 51, 817-822		4
357	Modelling and Composite Control of Fuel Quantity Actuator System for Diesel Engines. 2018 , 51, 807-812		1
356	Sliding Mode Control of the Penicillin Fermentation System Based on Nonlinear Disturbance Observer. 2018 ,		
355	Active disturbance rejection control: Applications in aerospace. 2018 , 16, 314-323		7
354	Active disturbance rejection control: some recent experimental and industrial case studies. 2018 , 16, 301-313		42
353	Intelligence evolution for service robot: An ADRC perspective. 2018 , 16, 324-335		10
352	Extended State Observer for Nonlinear Time-Varying Dynamic Systems. 2018 ,		0
351	Barrier Lyapunov Function Based Control of a Flexible Link Co-Robot With Safety Constraints. 2018 ,		1
350	An ESO-based integrated trajectory tracking control for tractor-trailer vehicles with various constraints and physical limitations. 2018 , 49, 3202-3215		6
349	Model-Guided Data-Driven Decentralized Control for Magnetic Levitation Systems. <i>IEEE Access</i> , 2018 , 6, 43546-43562	3.5	4

348	Bandwidth Based Stability Analysis of Active Disturbance Rejection Control for Nonlinear Uncertain Systems. <i>Journal of Systems Science and Complexity</i> , 2018 , 31, 1449-1468	1	4
347	ADRC with Feedforward Control For Time-Delay Systems. 2018 ,		0
346	Extended State Observer for Nuclear Reactors. 2018 ,		
345	On stability for sampled-data nonlinear ADRC-based control system with application to the ball-beam problem. <i>Journal of the Franklin Institute</i> , 2018 , 355, 8537-8553	4	3
344	Non-Recursive Fixed-Time Convergence Observer and Extended State Observer. <i>IEEE Access</i> , 2018 , 6, 62339-62351	3.5	12
343	A New Model-Free Adaptive Control with an Extended State Observer. 2018 ,		1
342	UAV Broken-Line Path Following under Disturbance Conditions. 2018 , 31, 04018089		8
341	A Robust Finite-Time Output Feedback Control Scheme for Marine Surface Vehicles Formation. <i>IEEE Access</i> , 2018 , 6, 41291-41301	3.5	9
340	Toward Event-Triggered Extended State Observer. 2018 , 63, 1842-1849		55
339	Trajectory tracking control of WMRs with lateral and longitudinal slippage based on active disturbance rejection control. 2018 , 107, 236-245		19
338	ADS adaptive sliding mode course controller with slow time-varying disturbance observer. 2018 ,		
337	Output feedback-based sliding mode control for disturbed motion control systems via a higher-order ESO approach. 2018 , 12, 2118-2126		23
336	On Convergence of Extended State Observer for a Class of MIMO Uncertain Stochastic Nonlinear Systems. <i>IEEE Access</i> , 2018 , 6, 37758-37766	3.5	4
335	Adaptive Dynamic Surface Output Feedback Control of Pure-Feedback Systems With Non-linear Dead-Zone. 2018 , 177-192		
334	Stabilization of a class of switched uncertain systems by active disturbance rejection control. 2018 , 40, 4421-4431		6
333	Extended state observer based control for generic hypersonic vehicles with nonaffine-in-control character. <i>ISA Transactions</i> , 2018 , 80, 127-136	5.5	10
332	An anti-windup method for a class of uncertain MIMO systems subject to actuator saturation with LADRC. <i>Information Sciences</i> , 2018 , 462, 417-429	7.7	13
331	Nonlinear Active Disturbance Rejection Control for the Pneumatic Muscle Actuators With Discrete-Time Measurements. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2044-2053	8.9	25

330	Prescribed performance control of one-DOF link manipulator with uncertainties and input saturation constraint. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 6, 148-157	7	20
329	Antidisturbance Coordinated Path Following Control of Robotic Autonomous Surface Vehicles: Theory and Experiment. 2019 , 1-1		13
328	Nonlinear Adaptive Backstepping with ESO for the Quadrotor Trajectory Tracking Control in the Multiple Disturbances. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 2754-2768	2.9	24
327	State and Disturbance Estimator for Unstable Reaction-Advection-Diffusion PDE with Boundary Disturbance. 2019 , 67-74		0
326	ESO-based fault-tolerant anti-disturbance control for air-breathing hypersonic vehicles with variable geometry inlet. <i>Nonlinear Dynamics</i> , 2019 , 98, 2293-2308	5	2
325	. 2019 ,		
324	The Stabilisation of a Heat System with Input Delay and Control Matched Disturbance. 2019 ,		
323	Anti-windup Active Disturbance Rejection Control and its Application to Antenna Servo Systems. 2019 ,		
322	Output feedback control of electro-hydraulic servo actuators with matched and mismatched disturbances rejection. <i>Journal of the Franklin Institute</i> , 2019 , 356, 9152-9179	4	37
321	Linear Active Disturbance Rejection Control for Nonaffine Strict-Feedback Nonlinear Systems. <i>IEEE Access</i> , 2019 , 7, 120030-120040	3.5	1
320	. <i>IEEE Access</i> , 2019 , 7, 148731-148740	3.5	3
319	Switching disturbance rejection attitude control of near space vehicles with variable structure. <i>Journal of Systems Engineering and Electronics</i> , 2019 , 30, 167	1.3	4
318	Flexible modelling and altitude control for powered parafoil system based on active disturbance rejection control. 2019 , 50, 2385-2408		3
317	Disturbance-Estimation Based Adaptive Backstepping Fault-Tolerant Synchronization Control for a Dual Redundant Hydraulic Actuation System With Internal Leakage Faults. <i>IEEE Access</i> , 2019 , 7, 73106-73119	3.5	7
316	Tuning of Active Disturbance Rejection Control with application to power plant furnace regulation. <i>Control Engineering Practice</i> , 2019 , 92, 104122	3.9	32
315	Event-Triggered Sampled-Data Control: An Active Disturbance Rejection Approach. 2019 , 24, 2052-2063		17
314	Morphing aircraft control based on switched nonlinear systems and adaptive dynamic programming. 2019 , 93, 105325		17
313	A New Switching Nonlinear Extended State Observer. 2019 ,		

312	Extended state observer-based control for systems with locally Lipschitz uncertainties: LMI-based stability conditions. <i>Systems and Control Letters</i> , 2019 , 134, 104526	2.4	4
311	Interaction Force Estimation Using Extended State Observers: An Application to Impedance-Based Assistive and Rehabilitation Robotics. 2019 , 4, 1156-1161		20
310	Disturbance and uncertainty rejection performance for fractional-order complex dynamical networks. 2019 , 112, 73-84		36
309	Output Regulation for a Class of MIMO Uncertain Stochastic Nonlinear Systems by Active Disturbance Rejection Control Approach. 2019 , 2019, 1-12		1
308	A novel event-triggered extended state observer for networked control systems subjected to external disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 2026-2040	3.6	8
307	Active Disturbance Rejection Control of Multi-Joint Industrial Robots Based on Dynamic Feedforward. 2019 , 8, 591		8
306	Attitude control for quadrotors subjected to wind disturbances via active disturbance rejection control and integral sliding mode control. 2019 , 129, 531-545		38
305	Spacecraft output feedback attitude control based on extended state observer and adaptive dynamic programming. <i>Journal of the Franklin Institute</i> , 2019 , 356, 4971-5000	4	12
304	Robust Stabilization of Extended Nonholonomic Chained-Form Systems with Dynamic Nonlinear Uncertain Terms by Using Active Disturbance Rejection Control. <i>Complexity</i> , 2019 , 2019, 1-12	1.6	3
303	Prescribed performance control of morphing aircraft based on switched nonlinear systems and reinforcement learning. 2019 , 52, 608-624		4
302	Anti-disturbance backstepping control for air-breathing hypersonic vehicles based on extended state observer. <i>ISA Transactions</i> , 2019 , 92, 84-93	5.5	19
301	Time-varying formation tracking for uncertain second-order nonlinear multi-agent systems. 2019 , 20, 76-87		7
300	Extended State Observer Based Robust Position Tracking Control for DC Motor with External Disturbance and System Uncertainties. 2019 , 14, 1637-1646		3
299	Position control of a rodless cylinder in pneumatic servo with actuator saturation. <i>ISA Transactions</i> , 2019 , 90, 235-243	5.5	5
298	Output feedback regulation control for a class of cascade nonlinear systems by time-varying Kalman observer. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 2149-2170	3.6	9
297	Inter-sample output predictor based sampled-data ADRC supporting high precision control of VCM servo systems. <i>Control Engineering Practice</i> , 2019 , 85, 138-148	3.9	7
296	Disturbance rejection control of morphing aircraft based on switched nonlinear systems. <i>Nonlinear Dynamics</i> , 2019 , 96, 975-995	5	12
295	An Extended State Observer-Based Run to Run Control for Semiconductor Manufacturing Processes. 2019 , 32, 154-162		6

294	Fault Detection of Actuators via Extended State Observer. 2019,			1
293	. 2019,			1
292	High-Precision Tracking of Cubic Stewart Platform Using Active Disturbance Rejection Control. 2019,			3
291	Differentiator-Based Disturbance Observer. 2019,			1
290	A Novel Online Estimation and Compensation Method for Strapdown Phased Array Seeker Disturbance Rejection Effect Using Extended State Kalman Filter. <i>IEEE Access</i> , 2019 , 7, 172330-172340	3-5		4
289	Research and Application of Active Disturbance Rejection Based Iterative Learning Control for the Brushless DC Motor. 2019,			
288	Performance of different ADRC based control methods in a nonlinear plant with uncertainties. 2019,			
287	Nonlinear Extended State Observer for Hybrid Dynamical Systems. 2019,			
286	Active disturbance rejection control design and analysis for first-order plus time delay systems. 2019,			0
285	State recovery and disturbance estimation of unmanned surface vehicles based on nonlinear extended state observers. <i>Ocean Engineering</i> , 2019 , 171, 625-632		3-9	63
284	Path-Following Control of Autonomous Underwater Vehicles Subject to Velocity and Input Constraints via Neurodynamic Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8724-8732	8-9		130
283	Nonlinear sampled-data ESO-based active disturbance rejection control for networked control systems with actuator saturation. <i>Nonlinear Dynamics</i> , 2019 , 95, 1415-1434		5	9
282	Superheated steam temperature control based on modified active disturbance rejection control. <i>Control Engineering Practice</i> , 2019 , 83, 83-97		3-9	47
281	Analysis and Design of a Time-Varying Extended State Observer for a Class of Nonlinear Systems with Unknown Dynamics Using Spectral Lyapunov Function. 2019 , 94, 405-421			3
280	Continuous finite-time extended state observer based fault tolerant control for attitude stabilization. 2019 , 84, 204-213			89
279	Stabilization of serially connected hybrid PDEODE system with unknown external disturbances. 2019 , 98, 718-734			3
278	Robust Vibration Control and Angular Velocity Estimation of a Single-Axis MEMS Gyroscope Using Perturbation Compensation. 2019 , 94, 61-79			9
277	Robust dynamic surface control of vehicle lateral dynamics using disturbance estimation. 2019 , 233, 1081-1099			2

276	Global sliding-mode dynamic surface control for MDF continuous hot-pressing slab thickness via LESO. 2019 , 10, 1249-1258		4
275	Active Disturbance Rejection Control for Teleoperation Systems with Actuator Saturation. <i>Asian Journal of Control</i> , 2019 , 21, 702-713	1.7	9
274	A comprehensive decoupling active disturbance rejection control for a gas flow facility. 2019 , 41, 297-310		3
273	Extended state observer-based back-stepping control for hypersonic reentry vehicle with input constraints. 2019 , 36, 921-947		4
272	Stabilization of ODE with hyperbolic equation actuator subject to boundary control matched disturbance. <i>International Journal of Control</i> , 2019 , 92, 12-26	1.5	10
271	Prescribed Performance Tracking Control of a Class of Uncertain Pure-Feedback Nonlinear Systems With Input Saturation. 2020 , 50, 1733-1745		32
270	Output Feedback Control of Uncertain Hydraulic Servo Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 490-500	8.9	66
269	Output feedback control for nonholonomic systems with non-vanishing disturbances. <i>International Journal of Control</i> , 2020 , 93, 2480-2489	1.5	5
268	Robust Active Disturbance Rejection Control For Flexible Link Manipulator. 2020 , 38, 118-135		18
267	An Output Regulator With Rejection of Time-Varying Disturbance: Experimental Validation on Clutch Slip Control. 2020 , 28, 1158-1167		5
266	Stabilisation of an anti-stable joint string with boundary disturbance. <i>International Journal of Control</i> , 2020 , 93, 1027-1038	1.5	3
265	Extended state observer for MIMO nonlinear systems with stochastic uncertainties. <i>International Journal of Control</i> , 2020 , 93, 424-436	1.5	7
264	A novel fuzzy extended state observer. <i>ISA Transactions</i> , 2020 , 102, 1-11	5.5	8
263	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. 2020 , 65, 2230-2236		18
262	Composite Disturbance Rejection Attitude Control for Quadrotor With Unknown Disturbance. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6894-6903	8.9	33
261	Vision-based optimization of the generalized predictive active disturbance rejection controller. 2020 , 71, 102728		
260	Switching control of morphing aircraft based on Q-learning. 2020 , 33, 672-687		13
259	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. 2020 , 65, 4340-4347		2

258	Active disturbance rejection consensus control of uncertain high-order nonlinear multi-agent systems. 2020 , 42, 604-617		0
257	Adaptive active disturbance rejection control guaranteeing uniformly ultimate boundedness and simplicity. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 7278-7294	3.6	4
256	Decentralized active disturbance rejection control design for the gas turbine. 2020 , 53, 1589-1601		6
255	Dynamic feedback stabilization of an unstable wave equation. <i>Automatica</i> , 2020 , 121, 109165	5.7	2
254	Disturbance and Uncertainty Suppression Control for a Saucer-Shaped Unmanned Aerial Vehicle Based on Extended State Observer. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4884	2.6	2
253	Dynamics Modeling and Tension Control of Composites Winding System Based on ASMC. <i>IEEE Access</i> , 2020 , 8, 102795-102810	3.5	3
252	ARSS: A Novel Aerial Robot Performs Tree Pruning Tasks. 2020 , 2020, 1-14		2
251	A new nonlinear extended state observer design for output tracking of uncertain nonlinear systems. 2020 , 3, e46		2
250	An extended state observer for a class of nonlinear systems with a new frequency-domain analysis on convergence. <i>ISA Transactions</i> , 2020 , 107, 107-116	5.5	1
249	Active disturbance rejection attitude control for the dove flapping wing micro air vehicle in intermittent flapping and gliding flight. 2020 , 12, 175682932094308		1
248	A consensus-based square-root cubature Kalman filter for manoeuvring target tracking in sensor networks. 2020 , 42, 3052-3062		4
247	Output Feedback Control for Active Suspension Electro-Hydraulic Actuator Systems With a Novel Sampled-Data Nonlinear Extended State Observer. <i>IEEE Access</i> , 2020 , 1-1	3.5	4
246	. <i>IEEE Access</i> , 2020 , 8, 131370-131379	3.5	2
245	Model-free control of electrically driven robot manipulators using an extended state observer. 2020 , 87, 106768		11
244	A parameter formula connecting PID and ADRC. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	20
243	A Novel Visual Sensor Stabilization Platform for Robotic Sharks Based on Improved LADRC and Digital Image Algorithm. 2020 , 20,		0
242	Review and new theoretical perspectives on active disturbance rejection control for uncertain finite-dimensional and infinite-dimensional systems. <i>Nonlinear Dynamics</i> , 2020 , 101, 935-959	5	15
241	Improved Phase Plane Attitude Control of Space Vehicles with Extended State Observer Considering Disturbance and Thruster Dynamics. 2020 ,		

240	Temperature Control for a Proton-Exchange Membrane Fuel Cell System with Unknown Dynamic Compensations. <i>Complexity</i> , 2020 , 2020, 1-14	1.6	1
239	Modified ADRC for Inertial Stabilized Platform With Corrected Disturbance Compensation and Improved Speed Observer. <i>IEEE Access</i> , 2020 , 8, 157703-157716	3.5	3
238	Experimental Investigation of an Electro-Hydrostatic Actuator Based on the Novel Active Compensation Method. <i>IEEE Access</i> , 2020 , 8, 170635-170649	3.5	3
237	NESO-Based Path Following Control for Underactuated Hovercrafts with Unknown Nonlinear Uncertainties and a Safety Limit Constraint. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5287	2.6	0
236	Active Disturbance Rejection Control Design Based on Probabilistic Robustness for Uncertain Systems. 2020 , 59, 18070-18087		9
235	On validation of neural modified extended state observer through analysis and experimentation. <i>Asian Journal of Control</i> , 2020 ,	1.7	
234	Active Disturbance Rejection Control of Synchronous Reluctance Motors. 2020 ,		
233	Predictive ESO design for Manned Mars Landing. 2020 ,		
232	Extended filtered high-gain output feedback controller for a class of uncertain nonlinear systems subject to external disturbances. <i>International Journal of Control</i> , 2020 , 1-11	1.5	
231	Nonlinear Active Disturbance Rejection Control of VGT-EGR System in Diesel Engines. <i>Energies</i> , 2020 , 13, 5331	3.1	4
230	Backstepping Sliding-Mode and Cascade Active Disturbance Rejection Control for a Quadrotor UAV. 2020 , 25, 2743-2753		36
229	Event-triggered extended state observers design for dynamic positioning vessels subject to unknown sea loads. <i>Ocean Engineering</i> , 2020 , 209, 107242	3.9	33
228	A novel adaptive second-order nonsingular terminal sliding mode guidance law design. 2020 , 234, 2263-2273		2
227	Time-varying anti-disturbance formation control for high-order non-linear multi-agent systems with switching directed topologies. 2020 , 14, 271-282		4
226	Fully distributed time-varying formation tracking control for multiple quadrotor vehicles via finite-time convergent extended state observer. 2020 , 33, 2907-2920		7
225	Novel Active Disturbance Rejection Control Based on Nested Linear Extended State Observers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4069	2.6	16
224	Hybrid extended state observer based control for systems with matched and mismatched disturbances. <i>ISA Transactions</i> , 2020 , 106, 61-73	5.5	7
223	Extended state observer-based finite-time dynamic surface control for trajectory tracking of a quadrotor unmanned aerial vehicle. 2020 , 42, 2956-2968		9

222	A review of industrial tracking control algorithms. <i>Control Engineering Practice</i> , 2020 , 102, 104536	3.9	10
221	Active Disturbance Rejection Attitude Control for Flapping Wing Micro Aerial Vehicle With Nonaffine-in-Control Characteristics. <i>IEEE Access</i> , 2020 , 8, 20013-20027	3.5	2
220	ESO-Based Terminal Sliding Mode Control for Uncertain Full-Car Active Suspension Systems. 2020 , 21, 691-702		4
219	Adaptive neural impedance control with extended state observer for human-robot interactions by output feedback through tracking differentiator. 2020 , 234, 820-833		5
218	Fault-Tolerant Control for Dynamic Positioning Vessel With Thruster Faults Based on the Neural Modified Extended State Observer. 2020 , 1-13		4
217	A structure-improved extended state observer based control with application to an omnidirectional mobile robot. <i>ISA Transactions</i> , 2020 , 101, 335-345	5.5	7
216	Robust uncalibrated visual stabilization for nonholonomic mobile robots. 2020 , 34, 388-399		1
215	Dynamic and static feedback control for second order infinite-dimensional systems. <i>Asian Journal of Control</i> , 2020 , 23, 1431	1.7	0
214	Nonlinear extended state observer-based output feedback stabilization control for uncertain nonlinear half-car active suspension systems. <i>Nonlinear Dynamics</i> , 2020 , 100, 2483-2503	5	7
213	Superheated Steam Temperature Control Based on a Hybrid Active Disturbance Rejection Control. <i>Energies</i> , 2020 , 13, 1757	3.1	8
212	Generalized Integrator-Extended State Observer With Applications to Grid-Connected Converters in the Presence of Disturbances. 2021 , 29, 744-755		21
211	On Active Disturbance Rejection Control for a Class of Uncertain Systems With Measurement Uncertainty. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1475-1485	8.9	10
210	Observer-Based Containment Control for a Class of Nonlinear Multiagent Systems With Uncertainties. 2021 , 51, 588-600		12
209	Active disturbance rejection control for ship course tracking with parameters tuning. 2021 , 52, 756-769		1
208	A homogeneous extended state estimator-based super-twisting sliding mode compensator for matched and unmatched uncertainties. 2021 , 54, 494-505		4
207	Trigger-based tracking control for a class of uncertain nonlinear systems via an event-triggered extended state observer. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 287-305	3.6	2
206	On the equivalence between ADRC and Flat Filter based controllers: A frequency domain approach. <i>Control Engineering Practice</i> , 2021 , 107, 104656	3.9	3
205	Observer-based fault-tolerant attitude tracking control for rigid spacecraft with actuator saturation and faults. 2021 , 178, 824-834		10

204	Predictive ESO-based control with guaranteed stability for uncertain MIMO constrained systems. <i>ISA Transactions</i> , 2021 , 112, 161-167	5.5	2
203	Time bound online uncertainty estimation based adaptive control design for DCDC buck converters with experimental validation. 2021 , 15, 100127		4
202	On the design of extended state observer-based robust finite controller: For underactuated robotic system with multiple sources of uncertainties. 2021 , 43, 473-483		2
201	Fault tolerant control for a class of nonlinear system with actuator faults. <i>Asian Journal of Control</i> , 2021 , 23, 474-485	1.7	2
200	Active Disturbance Rejection Control for Uncertain Nonlinear Systems Subject to Magnitude and Rate Saturation: Application to Aeroengine. 2021 , 1-12		5
199	Disturbance compensation-based output feedback adaptive control for shape memory alloy actuator system. 2021 , 18, 172988142199399		1
198	Grasping Force Control of Robotic Gripper with High Stiffness. 2021 , 1-1		3
197	Anti-Disturbance Dynamic Surface Control for Position Tracking of Interior Permanent Magnet Synchronous Motor Based on Nonlinear Extended State Observer. <i>IEEE Access</i> , 2021 , 9, 84180-84190	3.5	1
196	Data-Driven Adaptive Disturbance Observers for Model-Free Trajectory Tracking Control of Maritime Autonomous Surface Ships. 2021 , 32, 5584-5594		12
195	Event-Triggered Active Disturbance Rejection Control. <i>Studies in Systems, Decision and Control</i> , 2021 , 81-103	0.8	
194	Decentralized Detection and Mitigation of Multiple False Data Injection Attacks in Multi-area Power Systems. 2021 , 1-1		3
193	Disturbance-Compensation-Based Multilayer Neuroadaptive Control of MIMO Uncertain Nonlinear Systems. 2021 , 1-1		1
192	Extended State Observer Based Optimal Attitude Robust Control of Spacecraft. 2021 , 109-131		
191	Extended State Observer Based Nonsingular Terminal Sliding Mode Control for Voltage Source Converter Station With Uncertain Disturbances. <i>IEEE Access</i> , 2021 , 9, 122228-122235	3.5	0
190	Backstepping Control for a Class of Nonlinear Discrete-Time Systems Subject to Multisource Disturbances and Actuator Saturation. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	
189	Trajectory Tracking Active Disturbance Rejection Control of the Unmanned Helicopter and Its Parameters Tuning. <i>IEEE Access</i> , 2021 , 9, 56773-56785	3.5	2
188	. <i>IEEE Access</i> , 2021 , 9, 129528-129538	3.5	2
187	Distributed Path Following of Multiple Under-Actuated Autonomous Surface Vehicles Based on Data-Driven Neural Predictors via Integral Concurrent Learning. 2021 , 32, 5334-5344		16

186	Aperiodic Sampled-Data Takagi-Sugeno Fuzzy Extended State Observer for A Class of Uncertain Nonlinear Systems with External Disturbance and Unmodeled Dynamics. 2021 , 1-1		3
185	Proportional-Integral Event-Triggered Control of Networked Systems with Unmatched Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3
184	Nonlinear lateral motion stability control method for electric vehicle based on the combination of dual extended state observer and domination approach via sampled-data output feedback. 2021 , 43, 2258-2271		4
183	Adaptive robust output-feedback boundary control of an unstable parabolic PDE subjected to unknown input disturbance. 2021 , 52, 2324-2337		2
182	Trajectory robust control of autonomous quadcopters based on model decoupling and disturbance estimation. 2021 , 18, 172988142199697		1
181	An ADRC-based backstepping control design for a class of fractional-order systems. <i>ISA Transactions</i> , 2021 ,	5.5	3
180	Disturbance compensation based asymptotic tracking control for nonlinear systems with mismatched modeling uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 2993-3010	3.6	12
179	Disturbance Rejection Performance of Adaptive Robust Control. 2021 ,		1
178	Active disturbance rejection control for lower triangular uncertain stochastic nonlinear systems driven by coloured noises. <i>International Journal of Control</i> , 1-11	1.5	
177	Active disturbance rejection adaptive control for uncertain nonlinear systems with unknown time-varying dead-zone input. <i>Asian Journal of Control</i> ,	1.7	2
176	Composite control for trajectory tracking of wheeled mobile robots with NLESO and NTSMC. 2021 , 15, 1686-1694		
175	Composite nonlinear extended state observer and its application to unmanned ground vehicles. <i>Control Engineering Practice</i> , 2021 , 109, 104731	3.9	4
174	Neuroadaptive control of saturated nonlinear systems with disturbance compensation. <i>ISA Transactions</i> , 2021 ,	5.5	16
173	Continuous Finite-Time Active Disturbance Rejection Control With Application to DC Motor. 2021 ,		0
172	A generalized control scheme for system uncertainty estimation and cancellation. 2021 , 43, 2921-2933		0
171	Tracking Control of Single-Axis Feed Drives Based on ADRC and Feedback Linearisation. 2021 , 10, 1184		1
170	Adaptive extended state observer based heading control for surface ships associated with sideslip compensation. 2021 , 110, 102605		7
169	Immersion and invariance-based extended state observer design for a class of nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6233-6254	3.6	0

168	A Higher-continuous Extended State Observer for Model-free Position Tracking Control. 2021 ,		
167	Supplemental state observer-based sliding mode control for a dynamic system. 2021 , 15, 1545-1558		
166	Proportional-Integral Extended State Observer for Monitoring Nuclear Reactors. 2021 , 68, 1207-1221		4
165	Output tracking for nonlinear systems subject to unmodeled sluggish actuator dynamics via model-based extended state observer. <i>ISA Transactions</i> , 2021 ,	5.5	1
164	Prediction-Based Event-triggered Extended State Observers Design for Unmanned Surface Vehicles. 2021 ,		
163	Deep Learning Based Semi-Supervised Control for Vertical Security of Maglev Vehicle With Guaranteed Bounded Airgap. 2021 , 22, 4431-4442		44
162	Observer-based friction compensation in heavy-duty parallel robot control. 2021 , 35, 3693-3704		1
161	Model-based and model-free designs for an extended continuous-time LQR with exogenous inputs. <i>Systems and Control Letters</i> , 2021 , 154, 104983	2.4	0
160	Robust Output Constrained Control for Uncertain Nonlinear Systems Subject to Magnitude and Rate Saturation: Application to Aircraft Engine. 2021 , 17, 6044-6053		1
159	Extended state observer-based fixed-time trajectory tracking control of autonomous surface vessels with uncertainties and output constraints. <i>ISA Transactions</i> , 2021 ,	5.5	1
158	Three-dimensional terminal angle constraint finite-time dual-layer guidance law with autopilot dynamics. 2021 , 116, 106818		4
157	Extended state observer-based control of heartbeat described by heterogeneous coupled oscillator model. 2021 , 101, 105884		0
156	Global finite-time control for coordinated path following of multiple underactuated unmanned surface vehicles along one curve under directed topologies. <i>Ocean Engineering</i> , 2021 , 237, 109608	3.9	3
155	Design and Parameter Tuning of Nonlinear Active Disturbance Rejection Controller for Permanent Magnet Direct Drive Wind Power Converter System. <i>IEEE Access</i> , 2021 , 9, 33836-33848	3.5	1
154	Event-Triggered Extended State Observer. <i>Studies in Systems, Decision and Control</i> , 2021 , 61-79	0.8	
153	Event-Triggered Active Disturbance Rejection Control of DC Torque Motors. <i>Studies in Systems, Decision and Control</i> , 2021 , 137-159	0.8	
152	Performance Assessment of Discrete-Time Extended State Observers. <i>Studies in Systems, Decision and Control</i> , 2021 , 31-59	0.8	
151	Introduction. <i>Studies in Systems, Decision and Control</i> , 2021 , 1-27	0.8	1

150	Integrated fault-tolerant control system design based on continuous model predictive control for longitudinal manoeuvre of hypersonic vehicle with actuator faults. 2020 , 14, 1769-1784		4
149	Compensated active disturbance rejection control for voltage regulation of a DCDC boost converter. 2021 , 14, 432-441		2
148	. 2020 ,		0
147	Low-order active disturbance rejection control on furnace pressure of 1000MW power plant. 2017 ,		2
146	An estimation accuracy of state observers under uncertain initial conditions. 2019 , 6, 320-332		2
145	Frequency Properties of ADRC. 2021 ,		1
144	An ESO-based Attitude Control Method for Non-affine Hypersonic Flight Vehicles. 2021 ,		0
143	Design of Active Disturbance Rejection Attitude Controller for Vertical Launched Missile. 2021 ,		1
142	On the Bandwidth of the Extended State Observer. 2021 ,		1
141	Research on Active Disturbance Rejection Control of Hydraulic Servo System in Complex Initial States. 2021 ,		
140	Fixed-time extended state observer-based trajectory tracking control for autonomous underwater vehicles. <i>Asian Journal of Control</i> ,	1.7	1
139	Active disturbance rejection attitude control of unmanned quadrotor via paired coevolution pigeon-inspired optimization. 2021 , ahead-of-print,		3
138	On the Stability of Linear Active Disturbance Rejection Control: Virtual Equivalent System Approach. 2016 , 295-306		2
137	LESO Based Dynamic Surface Control for Hypersonic Flight Vehicle. 2018 , 36, 13-19		
136	A Sliding Mode Tracking Control for Under-actuated Surface Vessel Based on Pre-set Performance. 2019 ,		
135	ADRC Continuous and Smooth Extended State Observer Design. 2019 ,		
134	Boundary Exponential Stabilization of a One-Dimensional Anti-Stable Wave Equation with Control Matched Disturbance. 2020 , 12, 640-651		2
133	Adaptive Quaternion Tracking with Nonlinear Disturbance Rejection. 2020 ,		

- 132 An Extended State Observer Based Guidance Method for Maneuvering Target Interception. **2020**, 0
- 131 RESEARCH ON ACTIVE DISTURBANCE REJECTION CONTROL OF HYBRID EXCITATION MAGNETIC SUSPENSION SWITCHED RELUCTANCE MOTOR CONSIDERING NOISE. **2020**, 93, 197-207
- 130 Disturbance Observer-Based Force Estimation Without Force Sensors. *Advances in Industrial Control*, **2021**, 29-59 0.3
- 129 Data-driven adaptive extended state observer design for autonomous surface vehicles with unknown input gains based on concurrent learning. **2022**, 467, 337-347 3
- 128 Shaft Speed Control of the Gas Turbine Based on Active Disturbance Rejection Control. **2020**, 53, 12523-12529 4
- 127 A New Extended State Observer with Low Sensitivity to High Frequency Noise and Low Gain Power. **2020**, 53, 4929-4934 0
- 126 Active Disturbance Rejection Control for Wheeled Mobile Robots with Parametric Uncertainties. **2020**, 53, 1355-1360 0
- 125 Decoupling control of active suspension and four-wheel steering based on Backstepping-ADRC with mechanical elastic wheel. 095440702110561
- 124 Design of finite-time active fault tolerant control system with real-time fault estimation for a remotely operated vehicle. *Ocean Engineering*, **2021**, 241, 110063 3.9 1
- 123 Literature Review. **2021**, 9-15
- 122 Implementation of Linear/Nonlinear Auto Disturbance Rejection Switching Control in Inverted Pendulum System. **2020**,
- 121 Speed Tracking Control of Permanent Magnet Synchronous Motor Based on Extended State Observer. **2021**,
- 120 Whole-Channel Decoupling Control of Hypersonic Vehicle Based on ESO. **2022**, 2367-2376
- 119 (ϵ)-Nash Equilibrium Seeking for Two Order Multi-agent with Disturbance Rejection. **2022**, 3335-3346
- 118 Control of upper limb rehabilitation robot based on active disturbance rejection control. **2021**, 3, 347
- 117 Design of a Disturbance Rejection Controller for a Class of Nonholonomic Systems with Uncertainties. **2021**, 2021, 1-15
- 116 Stringent three-axis stability control for novel non-contact satellite using embedded second-order noise estimator. **2021**, 1
- 115 Complete model-free sliding mode control (CMFSMC). **2021**, 11, 22565 4

114	Fuzzy extended state observer for the fault detection and identification. <i>ISA Transactions</i> , 2021 ,	5.5	0
113	Chaos synchronization using differential equations as extended state observer. 2021 , 153, 111433		6
112	Sliding Mode Robust Active Disturbance Rejection Control for Single-Link Flexible Arm with Large Payload Variations. 2021 , 10, 2995		2
111	Design and test of an improved active disturbance rejection control system for water sampling unmanned surface vehicle. <i>Ocean Engineering</i> , 2022 , 245, 110367	3.9	1
110	Time-varying formation control for multi-agent systems with uncertainties and switching directed topology. 2020 ,		
109	Neural Network-Based Adaptive Sliding Mode Control Strategy for Underactuated RTAC. 2020 ,		
108	Sliding Mode Dual-Channel Disturbance Rejection Attitude Control for a Quadrotor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
107	Lateral Control for Unmanned Ground Vehicle with Anti-Peak Composite Nonlinear Extended State Observer. 2021 ,		
106	Output Feedback Prescribed Performance Tracking Control of Uncertain Systems with Its Application to Spacecraft. 2022 , 2929-2944		
105	Multi-missile Cooperative Control Based on ESO for Simultaneous Arrival. 2022 , 2981-2991		0
104	Proportional-integral-type event-triggered coupled attitude and orbit tracking control using dual quaternions. 2022 , 1-1		1
103	Observer design for continuous-time dynamical systems. 2022 ,		2
102	Practical fixed-time trajectory tracking control of constrained wheeled mobile robots with kinematic disturbances.. <i>ISA Transactions</i> , 2022 ,	5.5	0
101	Learning-Based Trajectory Tracking and Balance Control for Bicycle Robots With a Pendulum: A Gaussian Process Approach. 2022 , 1-11		2
100	Finite-time coordinated path following control of underactuated surface vehicles based on event-triggered mechanism. <i>Ocean Engineering</i> , 2022 , 246, 110530	3.9	1
99	On extended state estimation for nonlinear uncertain systems with round-robin protocol. <i>Automatica</i> , 2022 , 138, 110154	5.7	1
98	Trajectory tracking control for a wheel mobile robot on rough and uneven ground. <i>Mechatronics</i> , 2022 , 83, 102741	3	3
97	Linear Feedback Control. <i>Advances in Industrial Control</i> , 2022 , 303-317	0.3	

96	Sliding Mode Control with Extended State Observer for a Class of Nonlinear Uncertain Systems. <i>International Journal of Control</i> , 1-0	1.5	
95	Introduction. <i>Studies in Systems, Decision and Control</i> , 2022 , 1-29	0.8	
94	Analysis and Design of Active Disturbance Rejection Control with Improved Extended State Observer for Systems with Measurement Noise. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	1
93	Finite-time Fault-Tolerant Control for a Stewart Platform using Sliding Mode Control with Improved Reaching Law. <i>IEEE Access</i> , 2022 , 1-1	3.5	2
92	Modeling and Contouring Control for Cantilever Beam Machine With Structural Flexibility. <i>IEEE Access</i> , 2022 , 10, 27809-27818	3.5	
91	Civil Aircraft Fault Tolerant Attitude Tracking based on Extended State Observers and Nonlinear Dynamic Inversion. <i>Journal of Systems Engineering and Electronics</i> , 2022 , 33, 180-187	1.3	0
90	A modified active disturbance rejection control strategy based on cascade structure with enhanced robustness.. <i>ISA Transactions</i> , 2022 ,	5.5	0
89	Modeling and Cascade Control of a Pneumatic Positioning System. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2022 , 144,	1.6	1
88	Output feedback adaptive RISE control for uncertain nonlinear systems. <i>Asian Journal of Control</i> ,	1.7	1
87	Application of asymmetric barrier Lyapunov function using ADRC approach for development of autonomous vehicle lateral control. <i>JVC/Journal of Vibration and Control</i> , 107754632210754	2	
86	A class of extended state observers with fractional power function for compound disturbance. <i>Journal of the Franklin Institute</i> , 2022 ,	4	
85	A fixed-time distributed formation control of marine surface vehicles with actuator input saturation and time-varying ocean currents. <i>Ocean Engineering</i> , 2022 , 251, 111067	3.9	1
84	A new result on semi-synchronous event-triggered backstepping robust control for a class of non-Lipschitzian networked systems. <i>Applied Mathematics and Computation</i> , 2022 , 424, 127027	2.7	
83	Approach law sliding mode control for path following of underactuated ships with state observer. 2021 ,		
82	Quadrotor Attitude Control by Fractional-Order Fuzzy Particle Swarm Optimization-Based Active Disturbance Rejection Control. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11583	2.6	2
81	New design of active disturbance rejection control for nonlinear uncertain systems with unknown control input gain. <i>Science China Information Sciences</i> , 2022 , 65, 1	3.4	1
80	Novel Extended State Observer Design for Uncertain Nonlinear Systems via Refined Dynamic Event-Triggered Communication Protocol.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	3
79	Output feedback control of nonlinear cascaded systems with external disturbance and asymmetric constraints. <i>Nonlinear Dynamics</i> , 1	5	0

78	Neuroadaptive learning algorithm for constrained nonlinear systems with disturbance rejection. <i>International Journal of Robust and Nonlinear Control</i> ,	3.6	9
77	Fractional-Order PI Controller Design Based on Reference-to-Disturbance Ratio. <i>Fractal and Fractional</i> , 2022 , 6, 224	3	0
76	LandAirWall Cross-Domain Robot Based on Gecko Landing Bionic Behavior: System Design, Modeling, and Experiment. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3988	2.6	0
75	Fully Actuated System Approach for 6DOF Spacecraft Control Based on Extended State Observer. <i>Journal of Systems Science and Complexity</i> , 2022 , 35, 604-622	1	1
74	Distributed Leaderless Consensus for a Class of Multiple Underactuated Systems with Unknown Nonlinearities and External Disturbances. <i>International Journal of Control, Automation and Systems</i> , 2022 , 20, 1449-1460	2.9	0
73	Transportation of Payload Using Multiple Quadrotors via Rigid Connection. <i>International Journal of Aerospace Engineering</i> , 2022 , 2022, 1-13	0.9	
72	Fixed-time Fault Estimation Observer Design for Interconnected Systems. 2022 ,		1
71	Active Disturbance Rejection Control for Uncertain Nonlinear Systems With Sporadic Measurements. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 893-906	7	0
70	Kalman filter, particle filter, and extended state observer for linear state estimation under perturbation (or noise) of MHTGR. <i>Progress in Nuclear Energy</i> , 2022 , 148, 104231	2.3	0
69	Novel Adaptive Extended State Observer for Dynamic Parameter Identification with Asymptotic Convergence. <i>Energies</i> , 2022 , 15, 3602	3.1	1
68	A New Nonlinear Controller Design for a TCP/AQM Network Based on Modified Active Disturbance Rejection Control. <i>Complexity</i> , 2022 , 2022, 1-16	1.6	0
67	Research on vibration suppression and trajectory tracking control strategy of a flexible link manipulator. <i>Applied Mathematical Modelling</i> , 2022 , 110, 78-98	4.5	1
66	Suboptimal Control of Unknown Second-order Nonlinear Systems with Guaranteed Global Convergence. 2022 , 1-1		
65	Nonlinear Computed Torque Control of 6-Dof Parallel Manipulators. <i>International Journal of Control, Automation and Systems</i> ,	2.9	
64	Robust tracking for nanopositioning stages using sliding mode control with active disturbance rejection: Design and implementation. <i>JVC/Journal of Vibration and Control</i> , 107754632211060	2	1
63	Terminal angle constrained time-varying sliding mode guidance law with autopilot dynamics and input saturation. <i>Asian Journal of Control</i> ,	1.7	
62	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. <i>Mathematics</i> , 2022 , 10, 2261	2.3	
61	Mathematical Modeling and Control of COVID-19 Using Super Twisting Sliding Mode and Nonlinear Techniques. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 1-13	3	1

60	Safe cooperative path following with relative-angle-based collision avoidance for multiple underactuated autonomous surface vehicles. <i>Ocean Engineering</i> , 2022 , 258, 111670	3.9	○
59	Anti-saturation resilient control of cyber-physical systems under actuator attacks. <i>Information Sciences</i> , 2022 , 608, 1245-1260	7.7	○
58	Closed-loop data-driven modeling and distributed control for islanded microgrids with input constraints. <i>Control Engineering Practice</i> , 2022 , 126, 105251	3.9	○
57	Continuous Nonsingular Fast Terminal Sliding Mode Control for Speed Tracking of PMSM Based on Finite Time Disturbance Observer. <i>Processes</i> , 2022 , 10, 1407	2.9	○
56	Estimator-Based Turning Control for Unmanned Ground Vehicles: An Anti-Peak Extended State Observer Approach. 2022 , 1-10		1
55	Resilient anti-disturbance dynamic surface control of uncertain strict-feedback systems subject to partial loss of actuator effectiveness.		
54	Suboptimal attitude control of unknown flexible space debris. 2022 ,		
53	Consensus Cooperative Encirclement Interception Guidance Law for Multiple Vehicles against Maneuvering Target. 2022 , 12, 7307		1
52	Design, Development, and Control of a Novel Upper-Limb Power-Assist Exoskeleton System Driven by Pneumatic Muscle Actuators. 2022 , 11, 231		
51	Output feedback control for nonholonomic systems with nonvanishing disturbances and asymmetric time-varying constraints. 014233122211110		
50	Improved Active Disturbance Rejection Control (ADRC) with Extended State Filters. 2022 , 15, 5799		1
49	Active disturbance rejection control for non-minimum phase systems under plant reconstruction. 2022 ,		○
48	Distributed active disturbance rejection formation containment control for multiple autonomous underwater vehicles with prescribed performance. 2022 , 259, 112057		
47	Multivariable active disturbance rejection control for compression liquid chiller system. 2023 , 262, 125344		○
46	Robust bounded control scheme for quadrotor vehicles under high dynamic disturbances.		1
45	DC Motor Drive Powered by Solar Photovoltaic Energy: An FPGA-Based Active Disturbance Rejection Control Approach. 2022 , 15, 6595		1
44	ESO-based event-triggered attitude control of spacecraft with unknown actuator faults. 2022 ,		○
43	Large-Slenderness-Ratio Supersonic Aircraft Lateral Directional Coupling Dynamics Analysis and Control. 2022 , 2022, 1-22		○

- 42 Composite Sliding Mode Control of High Precision Electromechanical Actuator Considering Friction Nonlinearity. **2022**, 11, 265 ○
- 41 Fully distributed prescribed performance formation control for UAVs with unknown maneuver of leader. **2022**, 130, 107886 ○
- 40 Coupled Attitude And Orbit Control For Spacecraft Based On Fast Nonsingular Terminal Sliding Mode Without Dual Velocity Information. **2022**, ○
- 39 Disturbance Rejection and Control Design Using Finite-Time and Fixed-Time Equivalent-Input-Disturbance Approaches. **2022**, ○
- 38 Two Parallel Extended State Observers based Switching ADRC Design for a Class of Motion Control Systems. **2022**, ○
- 37 A Super-Twisting Extended State Observer for Nonlinear Systems. **2022**, 10, 3584 ○
- 36 Fully Distributed Formation Tracking for High-order Nonlinear Multi-agent Systems with Heterogeneous Uncertainties. ○
- 35 Hierarchical trajectory tracking control for ROVs subject to disturbances and parametric uncertainties. **2022**, 266, 112733 ○
- 34 A Dynamic Proportional-Integral based Event-Triggered Output Feedback Control Framework for Networked Mechatronic Systems. **2022**, 1-10 ○
- 33 Active Disturbance Rejection Formation Tracking Control for Uncertain Nonlinear Multi-Agent Systems With Switching Topology via Dynamic Event-Triggered Extended State Observer. **2022**, 1-12 ○
- 32 Machining straight-groove-type microstructure arrays with the three-axis ultra-precision lathe assisted by a rotating stage based on the double closed-loop controller. **2023**, 312, 117846 ○
- 31 Generalized Variable Gain ADRC for Nonlinear Systems and Its Application to Delta Parallel Manipulators. **2022**, 1-10 ○
- 30 Trajectory tracking of a quadrotor using extend state observer based U-model enhanced double sliding mode control. **2022**, ○
- 29 On convergence of extended state observers for nonlinear systems with non-differentiable uncertainties. **2022**, ○
- 28 Observer Design for a Duffing-Holmes System with Uncertainties. **2022**, ○
- 27 Disturbance rejection control of multiple integrators system by bounded linear extended observer based output feedback. ○
- 26 Disturbance Suppression and Contour Following Accuracy Improvement: An Adaptive PI-Type Sliding Mode Nonlinear Extended State Observer Approach. ○
- 25 Active disturbance rejection-based distributed containment control for stochastic nonlinear multiagent systems. 1-14 ○

24	Finite-time extended state observer based collision-free leaderless formation control of multiple AUVs via event-triggered control. 2023 , 268, 113605	0
23	A Novel Wearable Upper-Limb Rehabilitation Assistance Exoskeleton System Driven by Fluidic Muscle Actuators. 2023 , 12, 196	0
22	A Novel Disturbance Rejection Control of Roll Channel for Small Air-to-Surface Missiles. 2023 , 13, 389	1
21	High-gain adaptive boundary stabilization for an axially moving string subject to unbounded boundary disturbance. 2021 , 48, 112-126	0
20	Robust Decoupled Controller Design Based on Improved ESO of Quadrotor in Forward Flight. 2023 , 5982-5993	0
19	Active Disturbance Rejection Control for Piezoelectric Smart Structures: A Review. 2023 , 11, 174	1
18	Temperature Control for Fuel Cell Systems. 2023 , 137-164	0
17	High Gain Observer Based Active Disturbance Estimation ADE for Second Order Nonlinear Uncertain Systems (ex:Induction Motor).	0
16	Anti-disturbance control for a nonlinear flexible beam with velocity disturbance at the boundary. 2023 , 152, 110978	0
15	Input-to-state stabilization for a 2-D hyperbolic system cascaded with an ODE. 2022 ,	0
14	Event-trigger-based Fault-tolerant Control of Uncertain Non-affine Systems with Predefined Performance. 2023 , 21, 519-535	0
13	Innovative modeling strategy of wind resistance for platoon vehicles based on real-time disturbance observation and parameter identification. 095440702311532	0
12	Nonlinear control of decarbonization path following underactuated ships. 2023 , 272, 113784	0
11	Infinite-dimensional extended state observer based stabilization for an ODE-wave cascaded system with control matched disturbance.	0
10	Active Disturbance Rejection Control of Morphing Aircraft with PSO-Based Parameter Optimization. 2022 ,	0
9	Geometric Control of uncertain quadrotor with external disturbances. 2022 ,	0
8	Chattering-free terminal sliding-mode tracking control for uncertain nonlinear systems with disturbance compensation. 107754632311572	0
7	Design and Robustness Analysis of Multiple Extended State Observer Based Controller (MESOBC) for AVR of the Power System. 2023 , 2023, 1-15	0

- 6 A Sliding Mode Control of the Water-Cooled PEMFC System Based on Disturbance Observer. **2022**, ○
- 5 Robust Liquid Level Control of Quadruple Tank System: A Nonlinear Model-Free Approach. **2023**, 12, 119 ○
- 4 Extended dynamics observer for linear systems with disturbance. **2023**, 71, 100806 ○
- 3 Dual-Extended State Observer-Based Feedback Linearizing Control for a Nonlinear System with Mismatched Disturbances and Uncertainties. **2023**, 16, 3142 ○
- 2 Design and Stability Analysis of Sliding Mode Controller for Non-Holonomic Differential Drive Mobile Robots. **2023**, 11, 470 ○
- 1 A Higher-order-continuous Extended State Observer for Rigid Body Attitude Dynamics. **2022**, 55, 340-345 ○