

# From PID to Active Disturbance Rejection Control

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Application of active disturbance rejection to tracking control of a fast tool servo system. , 0, , .		6
2	Online Smooth Trajectory Generation for Industrial Mechatronic Systems. , 2007, , .		0
3	Study on ADRC based lateral control for tracked mobile robots on stairs. , 2008, , .		1
4	Design of servo motor controller applied in coaxial two-wheeled electric scooter. , 2008, , .		0
5	A Motion Control Design through Variable Structure Controller Based on Extended State Observe. , 2008, , .		6
6	ADRC with synthesis tuning algorithm for superheating steam temperature of CFBB. , 2008, , .		0
7	A new style controller based on classical dynamics. , 2008, , .		0
8	Research on a new nonlinear discrete-time tracking-differentiator filtering characteristic. , 2008, , .		2
9	Nonlinear active disturbance rejection controller research of autopilot for ship course tracking. , 2008, , .		3
10	Research of synthesis tuning algorithm of Active-Disturbance-Rejection Controller. , 2008, , .		4
11	ADRC based ship tracking controller design and simulations. , 2008, , .		6
12	The ship nonlinear course system control based on auto disturbance rejection controller. , 2008, , .		1
13	A robust MTPA controller for high efficiency IPM synchronous motor. , 2009, , .		1
14	Simulation of a new method in double closed loop for slip power recovery motor with chopper. , 2009, , .		0
15	Auto disturbance rejection control and parameter tuning of first-order inertial systems with time-delay. , 2009, , .		2
16	From Poncelet's invariance principle to Active Disturbance Rejection. , 2009, , .		10
17	Benchmark tests of Active Disturbance Rejection Control on an industrial motion control platform. , 2009, , .		19
18	The application research of several methods in the ball mill pulverizing system. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Research on auto-disturbance-rejection-control for slip power recovery induction motor. , 2009, , .		0
20	A practical solution to some problems in flight control. , 2009, , .		25
21	Active disturbance rejection control for the airborne pmsm in direct drive ema application. , 2009, , .		11
22	A position sensorless vector control system of permanent magnet synchronous motor based on active-disturbance rejection controller. , 2009, , .		9
23	Active fault tolerant control for maglev train against accelerometer failure. , 2009, , .		2
24	Fuzzy Adaptive Controller Design of Permanent Magnet Synchronous Motor for Electric Vechicle. , 2009, , .		0
25	Capabilities of extended state observer for estimating uncertainties. , 2009, , .		129
26	Design and Analysis of Precision Active Disturbance Rejection Control for Noncircular Turning Process. IEEE Transactions on Industrial Electronics, 2009, 56, 2746-2753.	5.2	129
27	Adaptive Speed Control for Permanent-Magnet Synchronous Motor System With Variations of Load Inertia. IEEE Transactions on Industrial Electronics, 2009, 56, 3050-3059.	5.2	545
28	Design and simulation of ship course controller based on auto disturbance rejection control technique. , 2009, , .		5
29	Tuning of fuzzy PID controller for Smith predictor. Central South University, 2010, 17, 566-571.	0.5	12
30	Coordinated robust nonlinear boiler-turbine-generator control systems via approximate dynamic feedback linearization. Journal of Process Control, 2010, 20, 365-374.	1.7	51
31	Chatter suppression in fast tool servo-assisted turning by spindle speed variation. International Journal of Machine Tools and Manufacture, 2010, 50, 1038-1047.	6.2	55
32	Study on the active disturbance rejection control of servo system. , 2010, , .		2
33	Research on consistency of control algorithms for high-order inertial object. , 2010, , .		0
34	Recursive Model Free Controller for trajectory tracking of MIMO nonlinear systems. , 2010, , .		7
35	A method on noise suppression based on active control by using systems with high-frequency vibrations. , 2010, , .		1
36	New robust control strategy for module manipulators via sliding mode control with an extended state observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2010, 224, 545-555.	0.7	9

#	ARTICLE	IF	CITATIONS
37	A mathematical explanation via &#x201C;intelligent&#x201D; PID controllers of the strange ubiquity of PIDs. , 2010, , .		33
38	An active disturbance rejection based approach to vibration suppression in two-inertia systems. , 2010, , .		15
39	Robust sigmaâ€“delta generalised proportional integral observer based control of a â€˜buckâ€™ converter with uncertain loads. International Journal of Control, 2010, 83, 1631-1640.	1.2	63
40	Speed Estimation of Doubly-Fed Induction Generators Based on Active Disturbance Rejection Control. , 2010, , .		0
41	Extended State Observer based robust control of electrically-driven modular manipulator. , 2010, , .		0
42	The output tracking control for a kind of uncertain networked systems. , 2010, , .		1
43	Active-Disturbance Rejection Control of Brushless DC Motor Based on BP Neural Network. , 2010, , .		5
44	Extended-State-Observer-Based Control of Flexible-Joint System With Experimental Validation. IEEE Transactions on Industrial Electronics, 2010, 57, 1411-1419.	5.2	413
45	Attitude tracking of rigid spacecraft based on extended state observer. , 2010, , .		5
46	A Differential State-Space Approach to Simultaneous Emulation of Uncertainties and Disturbances in Voltage-Controlled Brushless Motors. IEEE Transactions on Industrial Electronics, 2010, 57, 727-734.	5.2	7
47	Global adaptive estimation of joint velocities in robotic manipulators. IET Control Theory and Applications, 2010, 4, 2672-2681.	1.2	16
48	Nonlinear control design for system with mechanical resonance based on two Tracking-Differentiators. , 2010, , .		1
49	Non linear PID and its application in process control. , 2010, , .		15
50	Trajectory-tracking control of an input delayed omnidirectional mobile robot. , 2010, , .		2
51	Modeling and attitude control of aircraft with variations in mass and center of gravity. , 2010, , .		9
52	Model-free control techniques for Stop & Go systems. , 2010, , .		12
53	On the linear control of nonlinear mechanical systems. , 2010, , .		39
54	Replacing fuzzy systems with neural networks. , 2010, , .		12

#	ARTICLE	IF	CITATIONS
55	Linear control of the buck converter with unknown resistive loads. , 2010, , .		1
56	Flight Active Disturbance Rejection Control design and performance analysis. , 2010, , .		6
57	Trajectory tracking for non-holonomic cars: A linear approach to controlled leader-follower formation. , 2010, , .		17
58	Real-time linear control of the omnidirectional mobile robot. , 2010, , .		3
59	A disturbance rejection-flatness based linear output feedback control approach for tracking tasks on a Chua's circuit. , 2011, , .		3
60	Application of Active Disturbance Rejection Control to a reel-to-reel system seen in tire industry. , 2011, , .		8
61	On the linear control of the quad-rotor system. , 2011, , .		8
62	Permanent magnet synchronous motor control system based on auto disturbances rejection controller. , 2011, , .		10
63	Robust Height Control System Design for Sea-Skimming Missiles. Journal of Guidance, Control, and Dynamics, 2011, 34, 1746-1756.	1.6	15
64	Robust Roll Autopilot Design for Tactical Missiles. Journal of Guidance, Control, and Dynamics, 2011, 34, 107-117.	1.6	73
65	Active Disturbance Rejection Control simulation toolbox in open-source software Scilab/Xcos. , 2011, , .		1
66	Control lineal robusto de sistemas no lineales diferencialmente planos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2011, 8, 14-28.	0.6	12
67	On the robust two-stage linear feedback control of the induction motor. , 2011, , .		0
68	An experimental verification of ADRC robustness on a cross-coupled Aerodynamical System. , 2011, , .		14
69	On the robust control of the boost converter. , 2011, , .		2
70	Chaos synchronization of coupled Duffing System via active disturbance rejection control. , 2011, , .		0
71	Algebraic parameter identification for induction motors. , 2011, , .		12
72	Attitude Tracking of Rigid Spacecraft With Bounded Disturbances. IEEE Transactions on Industrial Electronics, 2011, 58, 647-659.	5.2	347

#	ARTICLE	IF	CITATIONS
73	Looper-Tension Almost Disturbance Decoupling Control for Hot Strip Finishing Mill Based on Feedback Linearization. IEEE Transactions on Industrial Electronics, 2011, 58, 3668-3679.	5.2	31
74	Extended State Observer for Nonlinear Systems with Uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1855-1860.	0.4	23
75	Flatness Based Control of a Suspension System: A GPI Observer Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11103-11108.	0.4	4
76	Back-stepping sliding mode control for missile systems based on an extended state observer. IET Control Theory and Applications, 2011, 5, 93.	1.2	168
77	Design and control of an electromagnetic fast tool servo with high bandwidth. IET Electric Power Applications, 2011, 5, 217.	1.1	9
78	On active disturbance rejection based control design for superconducting RF cavities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 643, 11-16.	0.7	80
79	On the convergence of an extended state observer for nonlinear systems with uncertainty. Systems and Control Letters, 2011, 60, 420-430.	1.3	669
80	The research of the novel bearingless levitation system based on Extended State Observer (ESO). , 2011, , .		3
81	ADRC based clutch slip control for automatic transmission. , 2011, , .		7
82	On convergence of tracking differentiator. International Journal of Control, 2011, 84, 693-701.	1.2	212
83	Decentralized nonlinear control strategies for disturbance rejection in winding systems. , 2011, , .		13
84	Robust linear output feedback control of a synchronous generator. , 2011, , .		2
85	Graphical design of linear active disturbance rejection controller for uncertain first-order-plus-dead-time plant. , 2011, , .		4
86	Active disturbance-rejection control of voice coil motor based on RBF neural network. , 2011, , .		13
87	A composite speed controller based on a second-order model of permanent magnet synchronous motor system. Transactions of the Institute of Measurement and Control, 2011, 33, 522-541.	1.1	85
88	An economic interpretation of ADRC. , 2011, , .		1
89	Application Study of Active Disturbance Rejection Control Technology. Advanced Materials Research, 0, 383-390, 701-706.	0.3	2
90	Novel Active Disturbance Rejection Control for Permanent Magnet Linear Synchronous Motor without Sensor. Advanced Materials Research, 2011, 335-336, 571-576.	0.3	1

#	ARTICLE	IF	CITATIONS
91	Feed Forward Active Disturbance Rejection Control Method for Common-Rail Pressure Control of Diesel Engine. <i>Advanced Materials Research</i> , 0, 383-390, 816-821.	0.3	1
92	A double-mechanism strategy of control systems for improving the accuracy of output regulation. , 2011, , .		0
93	Comparison of the DOB based control, a special kind of PID control and ADRC. , 2011, , .		14
94	Performance analysis of IES journals using internet and text processing robots. , 2011, , .		0
95	Active Disturbance Rejection Control for Manipulator Flexible Joint with Dynamic Friction and Uncertainties Compensation. , 2011, , .		3
96	ADRC based freeway traffic density control via ramp metering. , 2011, , .		1
97	Research on the sliding mode based ADRC for hydraulic active suspension of a six-wheel off-road vehicle. , 2011, , .		3
98	A High Precision Position Sensor Design and Its Signal Processing Algorithm for a Maglev Train. <i>Sensors</i> , 2012, 12, 5225-5245.	2.1	15
99	Parameter Selection Guidelines for a Parabolic Sliding Mode Filter Based on Frequency and Time Domain Characteristics. <i>Journal of Control Science and Engineering</i> , 2012, 2012, 1-13.	0.8	20
100	Modified Model-Free Adaptive Controller for a Nonlinear Rotor System. <i>Lecture Notes in Computer Science</i> , 2012, , 458-465.	1.0	0
101	Decentralized controller design based on 3-order active-disturbance-rejection-control. , 2012, , .		14
102	Application research on data-based third-order linear extended state observer filter for hot strip width. , 2012, , .		1
103	New experiment for nonlinear UAVs control. , 2012, , .		2
104	A disturbance rejection approach for the induction motor through observer based Generalized PI control. , 2012, , .		0
105	SVM-based dynamic modeling for machine life stage identification and machine wear estimation. , 2012, , .		2
106	Design and study of digital power driver controller for a kind of voice coil motor. , 2012, , .		2
107	Motion planning for the fast opening of the protection cover based on high order polynomial interpolation. , 2012, , .		1
108	The Excitation Control System Based on Extended State Observer for the Generator System Used on Aviation. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Partial synchronization of Hindmarsh-Rose neurons via active disturbance rejection control. , 2012, , .		0
110	Ship tracking control based on linear active disturbance rejection control. , 2012, , .		3
111	Controller design for flying boats taking off from water with regular waves. , 2012, , .		2
112	An energy saving, factory-validated disturbance decoupling control design for extrusion processes. , 2012, , .		71
113	Model-free approach to controlling nonlinear systems with single output delay. , 2012, , .		2
114	Active Disturbance Rejection Control of a 2DOF manipulator with significant modeling uncertainty. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2012, 60, 509-520.	0.8	18
115	Decentralized disturbance rejection control of multi-area power systems using generalized extended state observer. , 2012, , .		3
116	Research on Digital Control of Tension Servo System Based on PLC. Advanced Materials Research, 2012, 614-615, 1445-1448.	0.3	1
118	Study on Three-Motor Synchronous System of Fuzzy Active Disturbance Rejection Control. Applied Mechanics and Materials, 2012, 224, 543-546.	0.2	4
119	The Research of Frequency Characteristics of Tracking Differentiator. Applied Mechanics and Materials, 0, 182-183, 1474-1478.	0.2	1
120	Numerical Simulation and Linear Active Disturbance Rejection Control of Unstable Heat Conduction Systems. Communications in Computer and Information Science, 2012, , 35-46.	0.4	2
121	Precision motion control of a novel electromagnetic linear actuator based on a modified active disturbance rejection controller. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 606-614.	0.7	9
122	Robust control for a direct-driven permanent magnetic synchronous generator without mechanical sensors based on model reference adaptive backstepping control method. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 1130-1141.	0.7	5
123	Sensitivity Function Based Active Disturbance Rejection Control for the Plant with Unknown Order and Uncertain Relative Degree. Advanced Materials Research, 2012, 542-543, 223-227.	0.3	0
124	On model-free accommodation of actuator nonlinearities. , 2012, , .		8
125	Control of Uncertain Nonlinear Systems Using an Uncertainty and Disturbance Estimator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	49
126	Data-driven fractional PID control: application to DC motors in flexible joints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 709-714.	0.4	14
127	Low-Speed Longitudinal Controllers for Mass-Produced Cars: A Comparative Study. IEEE Transactions on Industrial Electronics, 2012, 59, 620-628.	5.2	53



#	ARTICLE	IF	CITATIONS
128	Novel Rate-Quantization Model-Based Rate Control With Adaptive Initialization for Spatial Scalable Video Coding. IEEE Transactions on Industrial Electronics, 2012, 59, 1673-1684.	5.2	30
129	Speed Control for PMSM Servo System Using Predictive Functional Control and Extended State Observer. IEEE Transactions on Industrial Electronics, 2012, 59, 1171-1183.	5.2	629
130	Generalized Extended State Observer Based Control for Systems With Mismatched Uncertainties. IEEE Transactions on Industrial Electronics, 2012, 59, 4792-4802.	5.2	646
131	Dual feedback linearization control of three-phase pulse-width-modulation voltage-source rectifier based on direct power control. , 2012, , .		2
132	Hybrid non-linear differentiator design for a permanent-electro magnetic suspension maglev system. IET Signal Processing, 2012, 6, 559.	0.9	3
133	Robust speed control of induction motor drives employing first-order auto-disturbance rejection controllers. , 2012, , .		5
134	On convergence of non-linear extended state observer for multi-input multi-output systems with uncertainty. IET Control Theory and Applications, 2012, 6, 2375-2386.	1.2	134
135	Nonlinear disturbance observer-based control for multi-input multi-output nonlinear systems subject to mismatching condition. International Journal of Control, 2012, 85, 1071-1082.	1.2	169
136	The tracking control for a kind of hybrid systems based on the double regulation control mechanism. , 2012, , .		0
137	An active disturbance rejection controller for a parallel Robot via Generalized Proportional Integral observers. , 2012, , .		5
138	Active Disturbance Rejection Guidance for Ascent Using Quadratic Transition. , 2012, , .		1
139	On the robust linear control of the buck-buck converter: An active disturbance rejection approach. , 2012, , .		1
140	Method of sensor noise attenuation in high-gain observers &#x2014; Experimental verification on two laboratory systems. , 2012, , .		13
141	Model-Free Control or Active Disturbance Rejection Control? On different approaches for attenuating the perturbation. , 2012, , .		9
142	On the observer assisted sliding mode creation: An active disturbance rejection approach. , 2012, , .		4
143	On convergence of nonlinear active disturbance rejection for SISO systems. , 2012, , .		32
144	A Nonlinear Control Method for the Power Regulation of the Wind Generator System in the Wind Farm. , 2012, , .		0
145	Flatness-based linear output feedback control for disturbance rejection and tracking tasks on a Chua's circuit. International Journal of Control, 2012, 85, 594-602.	1.2	14

#	ARTICLE	IF	CITATIONS
146	Active disturbance rejection control of underwater high-speed vehicle. , 2012, , .		1
147	A novel decoupling control method for multivariable systems with disturbances. , 2012, , .		0
148	Disturbance rejection control method for permanent magnet synchronous motor speed-regulation system. Mechatronics, 2012, 22, 706-714.	2.0	86
149	Optimal Output Feedback Controllers for Spacecraft Attitude Tracking. Asian Journal of Control, 2013, 15, 1284-1294.	1.9	18
150	ADRC based input disturbance rejection for minimum-phase plants with unknown orders and/or uncertain relative degrees. Journal of Systems Science and Complexity, 2012, 25, 625-640.	1.6	43
151	Adaptive speed control of a PMSM servo system using an RBFN disturbance observer. Transactions of the Institute of Measurement and Control, 2012, 34, 615-626.	1.1	26
152	A novel active disturbance rejection-based control strategy for a gun control system. Journal of Mechanical Science and Technology, 2012, 26, 4141-4148.	0.7	37
153	Model-based guidance and control for atmospheric guided entry. , 2012, , .		2
154	Control for ball and plate system based on RBF-ADRC. , 2012, , .		4
155	The New Design Strategy on PID Controllers. , 2012, , .		4
156	Adaptive disturbance compensation and load torque estimation for speed control of a servomechanism. International Journal of Machine Tools and Manufacture, 2012, 59, 6-15.	6.2	21
157	Active disturbance rejection control of a parallel manipulator with self learning algorithm for a pulsating trajectory tracking task. Scientia Iranica, 2012, 19, 132-141.	0.3	23
158	Active disturbance rejection control for power plant with a single loop. Asian Journal of Control, 2012, 14, 239-250.	1.9	50
159	Linear Observer-Based Active Disturbance Rejection Control of the Omnidirectional Mobile Robot. Asian Journal of Control, 2013, 15, 51-63.	1.9	90
160	Static disturbance-to-output decoupling for nonlinear systems with arbitrary disturbance relative degree. International Journal of Robust and Nonlinear Control, 2013, 23, 562-577.	2.1	41
161	On control design for a class of parametric uncertain nonlinear systems. , 2013, , .		0
162	Model-free control. International Journal of Control, 2013, 86, 2228-2252.	1.2	693
163	ADRC trajectory tracking control based on PSO algorithm for a quad-rotor. , 2013, , .		10

#	ARTICLE	IF	CITATIONS
164	Tuning of Auto Disturbance Rejection Controller based on multi-objective Genetic Algorithm. , 2013, , .		0
165	Formation keeping control through inter-satellite electromagnetic force. Science China Technological Sciences, 2013, 56, 1102-1111.	2.0	11
166	Robust Attitude Control of Quadrotor Vehicle via Extended State Observer. Applied Mechanics and Materials, 2013, 373-375, 1445-1448.	0.2	4
167	On Convergence of the Nonlinear Active Disturbance Rejection Control for MIMO Systems. SIAM Journal on Control and Optimization, 2013, 51, 1727-1757.	1.1	241
168	Sliding mode control with linear tracking differentiator for multi-wheel independently driven electric vehicles. , 2013, , .		1
169	On the usefulness of higher-order disturbance observers in real control scenarios based on perturbation estimation and mitigation. , 2013, , .		13
170	Performance Analysis of Generalized Extended State Observer in Tackling Sinusoidal Disturbances. IEEE Transactions on Control Systems Technology, 2013, 21, 2212-2223.	3.2	196
171	Robust intelligent control design for marine diesel engine. Journal of Shanghai Jiaotong University (Science), 2013, 18, 660-666.	0.5	13
172	The active disturbance rejection and sliding mode control approach to the stabilization of the Euler-Bernoulli beam equation with boundary input disturbance. Automatica, 2013, 49, 2911-2918.	3.0	206
173	Wave following control based on robust adaptive method and ADRC for a flying boat. , 2013, , .		1
174	Model-free control of a 3-DOF piezoelectric nanopositioning platform. , 2013, , .		5
175	Control of autonomous underactuated surface vehicle in the presence of environmental disturbances. , 2013, , .		1
176	Simplified robust control of an anthropomorphic leg. , 2013, , .		4
177	High-gain disturbance observer tuning seen as a multicriteria optimization problem. , 2013, , .		4
178	Observer based sliding mode control strategy for vertical take-off and landing (VTOL) aircraft system. , 2013, , .		6
179	Robust output feedback trajectory tracking control of an electrodynamic planar motion stage for precision positioning. , 2013, , .		2
180	From automatic feedback systems to MOOCs. , 2013, , .		9
181	An Active Disturbance Rejection Based Approach to Vibration Suppression in Two-Inertia Systems. Asian Journal of Control, 2013, 15, 350-362.	1.9	106

#	ARTICLE	IF	CITATIONS
182	On the Robust Control of Buck-Converter DC-Motor Combinations. IEEE Transactions on Power Electronics, 2013, 28, 3912-3922.	5.4	204
183	Research on a High-Frequency Response Direct Drive Valve System Based on Voice Coil Motor. IEEE Transactions on Power Electronics, 2013, 28, 2483-2492.	5.4	28
184	Design and Implementation of Terminal Sliding Mode Control Method for PMSM Speed Regulation System. IEEE Transactions on Industrial Informatics, 2013, 9, 1879-1891.	7.2	379
185	Fractional-Order $\text{PI}^{\lambda}\text{D}^{\mu}$ and Active Disturbance Rejection Control of Nonlinear Two-Mass Drive System. IEEE Transactions on Industrial Electronics, 2013, 60, 3806-3813.	5.2	139
186	The stability for a one-dimensional wave equation with nonlinear uncertainty on the boundary. Nonlinear Analysis: Theory, Methods & Applications, 2013, 89, 202-207.	0.6	9
187	On Low-Velocity Compensation of Brushless DC Servo in the Absence of Friction Model. IEEE Transactions on Industrial Electronics, 2013, 60, 3897-3905.	5.2	65
189	Extended state observer-based time-optimal control for fast and precise point-to-point motions driven by a novel electromagnetic linear actuator. Mechatronics, 2013, 23, 445-451.	2.0	28
190	An Improved Method for Direct Torque Control System. , 2013, , .		3
191	Weak Convergence of Nonlinear High-Gain Tracking Differentiator. IEEE Transactions on Automatic Control, 2013, 58, 1074-1080.	3.6	98
192	Predictive Current Control of Three-Phase Grid-Connected Converters With Constant Switching Frequency for Wind Energy Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2451-2464.	5.2	93
193	Active Suspension System Based on Linear Switched Reluctance Actuator and Control Schemes. IEEE Transactions on Vehicular Technology, 2013, 62, 562-572.	3.9	45
195	A Robust Linear Field-Oriented Voltage Control for the Induction Motor: Experimental Results. IEEE Transactions on Industrial Electronics, 2013, 60, 3025-3033.	5.2	71
196	Generalized Extended State Observer Approach to Robust Tracking Control for Wheeled Mobile Robot with Skidding and Slipping. International Journal of Advanced Robotic Systems, 2013, 10, 155.	1.3	49
197	Frequency-Domain Analysis of Nonlinear Active Disturbance Rejection Control via the Describing Function Method. IEEE Transactions on Industrial Electronics, 2013, 60, 3906-3914.	5.2	124
198	Active disturbance rejection control for fractional-order system. ISA Transactions, 2013, 52, 365-374.	3.1	104
199	Design, Analysis, and Test of a Novel 2-DOF Nanopositioning System Driven by Dual Mode. IEEE Transactions on Robotics, 2013, 29, 650-662.	7.3	117
200	On frequency-domain analysis of ADRC for uncertain system. , 2013, , .		17
201	A survey on active disturbance rejection control. , 2013, , .		17

#	ARTICLE	IF	CITATIONS
202	Active disturbance rejection control &#x2014; Based load frequency controller of interconnected power systems involving wind power penetration. , 2013, , .		8
203	On observer-based Active Vibration Control of two-inertia systems. , 2013, , .		2
204	The active disturbance rejection control for nonlinear systems using time-varying-gain. , 2013, , .		2
205	Analysis and control of an omnidirectional mobile robot. , 2013, , .		2
206	On the design of an autopilot for roll motion in an airplane using LQR and flexible dynamic model. , 2013, , .		2
207	ADRC and Feedforward Hybrid Control System of PMSM. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	5
208	A Delta Operator Approach for the Discrete-Time Active Disturbance Rejection Control on Induction Motors. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	8
209	Active Disturbance Rejection Approach for Robust Fault-Tolerant Control via Observer Assisted Sliding Mode Control. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	14
210	Research on Pressurizer Water Level Control in Nuclear Reactor Based on Active Disturbances Rejection Controller. Applied Mechanics and Materials, 0, 336-338, 608-613.	0.2	1
211	Sliding Mode Control for Diesel Engine Air Path Subject to Matched and Unmatched Disturbances Using Extended State Observer. Mathematical Problems in Engineering, 2013, 2013, 1-11.	0.6	11
212	Nonlinear Robust Control of a Hypersonic Flight Vehicle Using Fuzzy Disturbance Observer. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	6
213	Active Disturbance Rejection with Sliding Mode Control Based Course and Path Following for Underactuated Ships. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	21
214	Finite-Time Anti-Disturbance Inverse Optimal Attitude Tracking Control of Flexible Spacecraft. Mathematical Problems in Engineering, 2013, 2013, 1-13.	0.6	3
215	A Decoupling Control Algorithm for Unwinding Tension System Based on Active Disturbance Rejection Control. Mathematical Problems in Engineering, 2013, 2013, 1-18.	0.6	18
216	Tracking differentiator-based dynamic surface control for the power control of the wind generation system in the wind farm. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2013, 227, 275-285.	0.7	2
217	Load Frequency Control of Hybrid Power Systems via Active Disturbance Rejection Control (ADRC). Applied Mechanics and Materials, 0, 325-326, 1145-1151.	0.2	4
218	Robot Visual Servo Based on Particle Swarm Optimized ADRC. Advanced Materials Research, 0, 756-759, 669-672.	0.3	3
219	Smith-ADRC for Main Steam Pressure of CFBB. Applied Mechanics and Materials, 2013, 432, 489-493.	0.2	0

#	ARTICLE	IF	CITATIONS
220	Active Disturbance Rejection Control on Path Following for Underactuated Ships. Lecture Notes in Computer Science, 2013, , 268-275.	1.0	2
221	Active Disturbance Rejection Control for Trajectory Tracking of Manipulator Joint with Flexibility and Friction. Applied Mechanics and Materials, 0, 325-326, 1229-1232.	0.2	10
222	A Study on Dynamic Inversion of UAV. Applied Mechanics and Materials, 2013, 373-375, 158-162.	0.2	0
223	Excitation Control Based on Objective Holographic Feedbacks and Extended State Observer. Applied Mechanics and Materials, 2013, 448-453, 2540-2544.	0.2	0
224	Robust Active Disturbance Rejection Control Approach to Maximize Energy Capture in Variable-Speed Wind Turbines. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	17
225	Design of linear auto disturbance rejection controller for magnetic bearing of high-speed motors. , 2013, , .		1
226	Fixed-point implementation of active disturbance rejection control for superconducting radio frequency cavities. , 2013, , .		3
227	On the linear Active Rejection Control of Thomson's Jumping Ring. , 2013, , .		7
228	Design of active disturbance rejection controller for autonomous aerial refueling UAV. , 2013, , .		3
229	Disturbance observer based controllers in constrained PID control course. , 2013, , .		0
230	Two approaches to the stabilization of Euler-Bernoulli beam equation with control matched disturbance. , 2013, , .		0
231	An analytical study of Arabic sentiments: Maktoob case study. , 2013, , .		2
232	Controller design based on T-S fuzzy reasoning and ADRC for a flying boat. , 2013, , .		3
233	Discrete-time AUV tracking controller design based on disturbance rejection and dynamic trajectory planning. , 2013, , .		3
234	Application of decoupling fuzzy sliding mode control with active disturbance rejection for MIMO magnetic levitation system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 213-229.	1.1	14
236	Preparatory Laboratory Experiments for Robust Constrained UAVs Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 262-267.	0.4	4
237	Dynamic Modeling and Fuzzy Self-Tuning Disturbance Decoupling Control for a 3-DOF Serial-Parallel Hybrid Humanoid Arm. Advances in Mechanical Engineering, 2013, 5, 286074.	0.8	4
238	Disturbance Observation and Rejection Method for Gasoline HCCI Combustion Control. , 0, , .		10

#	ARTICLE	IF	CITATIONS
239	A Simulative Study on Active Disturbance Rejection Control (ADRC) as a Control Tool for Practitioners. Electronics (Switzerland), 2013, 2, 246-279.	1.8	149
240	Active Disturbance Rejection Control based on a simultaneous adaptive observer and a time varying parameter identifier. , 2013, , .		4
241	Vibration Control of a Semiactive Vehicle Suspension System Based on Extended State Observer Techniques. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.4	4
242	Development of a GA-Fuzzy-Immune PID Controller with Incomplete Derivation for Robot Dexterous Hand. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	8
243	Model-free controller with an observer applied in real-time to a 3-DOF helicopter. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1564-1581.	0.9	3
244	Active Disturbance Rejection Control of a Neutralisation Process. Computer Aided Chemical Engineering, 2014, , 739-744.	0.3	5
245	Adaptive sliding mode control for the speed regulation of PMSMs with load change. , 2014, , .		8
246	Position control for PMSM servo system using non-smooth feedback and disturbance estimation compensation. , 2014, , .		3
247	A new fuzzy active-disturbance rejection controller applied in PMSM position servo system. , 2014, , .		10
248	Fractional order PD controller based on ADRC algorithm for DC motor. , 2014, , .		6
249	Quadrotor unmanned helicopter attitude control based on improved ADRC. , 2014, , .		14
250	A practical approach to motion control for planar multi-rigid-body systems. , 2014, , .		0
251	Anti-windup design for Active Disturbance Rejection Control. , 2014, , .		3
252	Active disturbance rejection controller for a separation column. , 2014, , .		2
253	Lyapunov approach to boundary stabilization of an anti-stable heat equation with boundary disturbance. , 2014, , .		4
254	Output feedback stabilization of multi-dimensional Kirchhoff equation with general corrupted boundary observation by active disturbance rejection control. , 2014, , .		0
255	Modeling and active disturbance rejection control for a piezoelectric-actuator driven nanopositioner. , 2014, , .		4
256	Improving the Rapidity of Nonlinear Tracking Differentiator via Feedforward. IEEE Transactions on Industrial Electronics, 2014, 61, 3736-3743.	5.2	66

#	ARTICLE	IF	CITATIONS
257	Output feedback control for linear systems with sensor limitations. , 2014, , .		0
258	Comparing two approaches to nonlinear time-delayed 1st-order plants control. , 2014, , .		3
259	Practical Wind-Disturbance Rejection for Large Deep Space Observatory Antenna. IEEE Transactions on Control Systems Technology, 2014, 22, 1983-1990.	3.2	40
260	On the Control of the Permanent Magnet Synchronous Motor: An Active Disturbance Rejection Control Approach. IEEE Transactions on Control Systems Technology, 2014, 22, 2056-2063.	3.2	293
261	On combining active disturbance rejection with adaptive inverse control for fast tracking at low bandwidth. , 2014, , .		1
262	Compound active disturbance rejection control for resonance damping and tracking of nanopositioning. , 2014, , .		4
263	Attitude control of coaxial tri-rotor UAV based on Linear Extended State Observer. , 2014, , .		4
264	Application of Active Disturbance Rejection Control technology to extraneous force elimination. , 2014, , .		0
265	Dynamic voltage restorer with active disturbance rejection control. , 2014, , .		4
266	A novel pan-tilt camera control approach for visual tracking. , 2014, , .		8
267	Non-linear disturbance observer-based backstepping control for airbreathing hypersonic vehicles with mismatched disturbances. IET Control Theory and Applications, 2014, 8, 1852-1865.	1.2	76
268	Adaptive control for attitude synchronisation of spacecraft formation via extended state observer. IET Control Theory and Applications, 2014, 8, 2171-2185.	1.2	77
269	MMaMS 2014 Dynamic Model of a Mobile Robot. Procedia Engineering, 2014, 96, 203-208.	1.2	0
270	Design of Nonlinear Robust Rotor Current Controller for DFIC Based on Terminal Sliding Mode Control and Extended State Observer. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	1
271	Active Disturbance Rejection Station-Keeping Control of Unstable Orbits around Collinear Libration Points. Mathematical Problems in Engineering, 2014, 2014, 1-14.	0.6	4
272	Observation of a Class of Disturbance in Time Series Expansion for Fractional Order Systems. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	0
273	A Disturbance Rejection Framework for the Study of Traditional Chinese Medicine. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-8.	0.5	1
274	Research and Implementation of Intelligent Question Answering System in MOOC. Applied Mechanics and Materials, 2014, 678, 639-643.	0.2	0



#	ARTICLE	IF	CITATIONS
275	Research and Implementation of Intelligent Question Answering System in MOOC. Applied Mechanics and Materials, 2014, 678, 684-688.	0.2	0
276	Control System Design of Shunt Active Power Filter Based on Active Disturbance Rejection and Repetitive Control Techniques. Mathematical Problems in Engineering, 2014, 2014, 1-6.	0.6	7
277	Design and implementation of fuzzy based robust controller for process control instrumentation. , 2014, , .		0
278	Voltage regulation system based on ADRC for doubly salient electro-magnetic generator. , 2014, , .		2
279	MAV control system design based on virtual instrument. , 2014, , .		0
280	Frequency response control of D-PMSG based on the active disturbance rejection controller. , 2014, , .		2
281	Novel robust nonlinear control of magnetic bearing system based on extended state observer. , 2014, , .		0
282	Observer based inverse optimal attitude stabilization control of spacecraft with uncertainties. , 2014, , .		1
283	Active disturbance rejection station-keeping control of cislunar point orbits. , 2014, , .		0
284	Comparative analysis of linear and non-linear extended state observer with application to motion control. , 2014, , .		6
285	Dynamics of a quadruped robot during locomotion. , 2014, , .		0
286	Missile attitude control in a large flight envelope based on the linear active disturbance rejection control approach. , 2014, , .		0
287	Design, model and attitude control of a model-scaled gyroplane. , 2014, , .		8
288	On the linear active disturbance rejection control of the Furuta pendulum. , 2014, , .		6
289	The design of TCS controller for four wheel independent-drive electric vehicle based on ADRC. , 2014, , .		5
290	An Active Disturbance Rejection Controller for ship steering. , 2014, , .		2
291	Tracking in interconnected gantry crane systems: A decentralized Active Disturbance Rejection Control. , 2014, , .		2
292	Tracking and disturbance rejection in non-minimum phase systems. , 2014, , .		17

#	ARTICLE	IF	CITATIONS
293	Decentralized active disturbance rejection Control for LFC in deregulated environments. , 2014, , .		4
294	Depth control of AUV using active disturbance rejection controller. , 2014, , .		13
295	Piezoelectric Multimode Vibration Control for Stiffened Plate Using ADRC-Based Acceleration Compensation. IEEE Transactions on Industrial Electronics, 2014, 61, 6892-6902.	5.2	99
296	A unified observer for high order disturbances in time series expansion. , 2014, , .		2
297	Simple control method for three-phase pulse-width modulation rectifier of switching power supply under unbalanced and distorted supply voltages. IET Power Electronics, 2014, 7, 2572-2581.	1.5	9
298	A novel approach for rejection of cosine disturbances. , 2014, , .		0
299	Decentralized active disturbance rejection control of power converters serving a time varying load. , 2014, , .		9
300	Design of active disturbance rejection control system for morphing flight dynamics. , 2014, , .		2
301	On the stability of Han's ADRC. , 2014, , .		5
302	Principle and implementation of radial disturbance feedforward compensation control for bearingless permanent magnet slice motors. , 2014, , .		0
303	Satellite five-axis attitude control simulation based on BP neural network sliding mode controller. , 2014, , .		2
304	Output feedback stabilization of an unstable wave equation with general corrupted boundary observation. Automatica, 2014, 50, 3164-3172.	3.0	35
305	Optimization and Simulation Analysis of Electro Hydraulic Control System of Clutch Engagement Pressure. Advanced Materials Research, 2014, 945-949, 1579-1582.	0.3	0
306	Active disturbance rejection control for synchronization of different fractional-order chaotic systems. , 2014, , .		1
307	Maximization of generated power from wind energy conversion systems using a doubly fed induction generator with active disturbance rejection control. , 2014, , .		11
308	On the GPI approach with unknown inertia matrix in robot manipulators. International Journal of Control, 2014, 87, 844-860.	1.2	15
309	Backstepping sliding-mode control for missile attitude using a linear extended state observer. , 2014, , .		7
310	Speed tracking of PMSM drive for hybrid electric vehicle based on LADRC. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
311	On stabilization and disturbance rejection for the inverted pendulum. , 2014, , .		2
312	Design ADRC for Cutter Suction Dredger Cutter Motor Variable Frequency Drive System. Advanced Materials Research, 2014, 1008-1009, 650-653.	0.3	4
313	Disturbance rejection in process control. , 2014, , .		5
314	Anti-disturbance inverse optimal attitude control design for flexible spacecraft with input saturation. , 2014, , .		0
315	Experimental evaluation of PID and ESO controller for instrument landing system. , 2014, , .		2
316	A continuous sliding mode controller for the PMSM speed regulation based on disturbance observer. , 2014, , .		5
317	ESO-Based Fuzzy Sliding-Mode Control for a 3-DOF Serial-Parallel Hybrid Humanoid Arm. Journal of Control Science and Engineering, 2014, 2014, 1-9.	0.8	3
318	Control Strategy of Permanent Magnet Synchronous Motor Used in Electric Vehicle. International Journal of Control and Automation, 2014, 7, 349-358.	0.3	0
319	On Design Analysis of Linear Active Disturbance Rejection Control for Uncertain System. International Journal of Control and Automation, 2014, 7, 225-236.	0.3	9
320	An Expansion of LESO for Motion Control with High Frequency Disturbance. Applied Mechanics and Materials, 0, 668-669, 437-440.	0.2	0
321	Active disturbance rejection control for output force creep characteristics of ionic polymer metal composites. Smart Materials and Structures, 2014, 23, 075014.	1.8	5
322	Estimation of Inductance Derivative for Force Control of Linear Switched Reluctance Actuator. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	5
323	The active disturbance rejection control with a load torque observer for secondary regulation hydraulic speed system. , 2014, , .		1
324	Design of multi-loop ADRC controllers based on the effective open-loop transfer function method. , 2014, , .		4
325	Robot manipulator adaptive control using disturbance estimator. , 2014, , .		1
326	Composite hierarchical anti-disturbance control for nonlinear systems with DOBC and fuzzy control. International Journal of Robust and Nonlinear Control, 2014, 24, 362-373.	2.1	71
327	An Active Disturbance Rejection Approach to Leader-Follower Controlled Formation. Asian Journal of Control, 2014, 16, 382-395.	1.9	11
328	Trajectory Tracking Control for a 3-DOF Parallel Manipulator Using Fractional-Order $\lambda$ -PI <sup><math>\lambda</math></sup> -D <sup><math>\mu</math></sup> Control. IEEE Transactions on Industrial Electronics, 2014, 61, 3417-3426.	5.2	136

#	ARTICLE	IF	CITATIONS
329	On performance analysis of ADRC for a class of MIMO lower-triangular nonlinear uncertain systems. ISA Transactions, 2014, 53, 955-962.	3.1	98
330	Limit cycle analysis of active disturbance rejection control system with two nonlinearities. ISA Transactions, 2014, 53, 947-954.	3.1	26
331	On the centrality of disturbance rejection in automatic control. ISA Transactions, 2014, 53, 850-857.	3.1	346
332	Disturbance rejection for time-delay systems based on the equivalent-input-disturbance approach. Journal of the Franklin Institute, 2014, 351, 3364-3377.	1.9	53
333	Linear active disturbance rejection control of underactuated systems: The case of the Furuta pendulum. ISA Transactions, 2014, 53, 920-928.	3.1	134
334	A hybrid disturbance rejection control solution for variable valve timing system of gasoline engines. ISA Transactions, 2014, 53, 889-898.	3.1	33
335	Sliding mode control and active disturbance rejection control to the stabilization of one-dimensional Schrödinger equation subject to boundary control matched disturbance. International Journal of Robust and Nonlinear Control, 2014, 24, 2194-2212.	2.1	108
336	Stability Analysis and Implementation of a Decentralized Formation Control Strategy for Unmanned Vehicles. IEEE Transactions on Control Systems Technology, 2014, 22, 706-720.	3.2	62
337	Control design for the SISO system with the unknown order and the unknown relative degree. ISA Transactions, 2014, 53, 858-872.	3.1	66
338	Adaptive Robust Control of DC Motors With Extended State Observer. IEEE Transactions on Industrial Electronics, 2014, 61, 3630-3637.	5.2	371
339	Uncertainty analysis and robust trajectory linearization control of a flexible air-breathing hypersonic vehicle. Acta Astronautica, 2014, 101, 16-32.	1.7	62
340	An Integrated Approach to Hypersonic Entry Attitude Control. International Journal of Automation and Computing, 2014, 11, 39-50.	4.5	14
341	Active disturbance rejection control: Methodology and theoretical analysis. ISA Transactions, 2014, 53, 963-976.	3.1	644
342	Anti-disturbance control theory for systems with multiple disturbances: A survey. ISA Transactions, 2014, 53, 846-849.	3.1	270
343	Continuous finite-time anti-disturbance control for a class of uncertain nonlinear systems. Transactions of the Institute of Measurement and Control, 2014, 36, 300-311.	1.1	42
344	Predictive active disturbance rejection control for processes with time delay. ISA Transactions, 2014, 53, 873-881.	3.1	131
345	Active disturbance rejection control for drag tracking in mars entry guidance. Advances in Space Research, 2014, 53, 853-861.	1.2	75
346	Composite adaptive disturbance observer based control and back-stepping method for nonlinear system with multiple mismatched disturbances. Journal of the Franklin Institute, 2014, 351, 1027-1041.	1.9	100

#	ARTICLE	IF	CITATIONS
347	Nonlinear attitude tracking control for spacecraft formation with multiple delays. <i>Advances in Space Research</i> , 2014, 54, 759-769.	1.2	31
348	Coordinated control for unbalanced operation of stand-alone doubly fed induction generator. <i>Wind Energy</i> , 2014, 17, 317-336.	1.9	11
349	A unified modeling and control of a multi-functional current source-typed converter for V2G application. <i>Electric Power Systems Research</i> , 2014, 106, 12-20.	2.1	20
350	Modified active disturbance rejection control for time-delay systems. <i>ISA Transactions</i> , 2014, 53, 882-888.	3.1	178
351	Output prediction based active disturbance rejection control approach and its application in structural vibration. , 2014, , .		2
352	Sliding mode based trajectory linearization control for hypersonic reentry vehicle via extended disturbance observer. <i>ISA Transactions</i> , 2014, 53, 1771-1786.	3.1	98
353	Extended state observer based control for DC-DC buck converters subject to mismatched disturbances. , 2014, , .		11
354	Dynamic feed-forward control aided with active disturbance rejection for boost pressure and mass air flow control of diesel engines. , 2014, , .		4
355	$H_{\infty}$ optimal design of robust observer against disturbances. <i>International Journal of Control</i> , 2014, 87, 1208-1215.	1.2	9
356	Adaptive DO-FPI controller for the first-order plant. , 2014, , .		1
357	Application of ADRC in hydraulic AGC system. , 2014, , .		2
358	On path following of underactuated surface ships. , 2014, , .		2
359	Generalized predictive control with dynamic compensation for quadrotor attitude stabilization. , 2014, , .		2
360	Development of an equivalent-input-disturbance based altitude controller for sea-skimming unmanned aerial vehicles. , 2014, , .		1
361	Control strategy for photovoltaic grid-connected inverter with LCL filter. , 2014, , .		0
362	Robust model following control design for missile roll autopilot. , 2014, , .		3
363	Extended state observer based adaptive control scheme for PMSM system. , 2014, , .		4
364	Active disturbance rejection control: Methodology, practice and analysis. , 2014, , .		29

#	ARTICLE	IF	CITATIONS
365	An active disturbance rejection control approach for decentralized tracking in interconnected systems. , 2014, , .		6
366	Composited active disturbance rejection control for the coordinated system of supercritical unit. , 2014, , .		0
367	An efficient discrete form of active disturbance rejection controller. , 2014, , .		3
368	Development and Active Disturbance Rejection Control of a Compliant Micro-/Nanopositioning Piezostage With Dual Mode. IEEE Transactions on Industrial Electronics, 2014, 61, 1475-1492.	5.2	138
369	Load frequency control based on ADRC for interconnected power system. , 2014, , .		3
370	Composite multi-modal vibration control for a stiffened plate using non-collocated acceleration sensor and piezoelectric actuator. Smart Materials and Structures, 2014, 23, 015006.	1.8	20
371	Application of active disturbance rejection controller to water supply system. , 2014, , .		15
372	Optimal control of PMSG wind energy convert system based on MPPT and ADRC control structure. , 2014, , .		2
373	Mismatched disturbance estimation and compensation for seeker system using higher order sliding mode control. , 2014, , .		2
374	Extended-State-Observer-Based Output Feedback Nonlinear Robust Control of Hydraulic Systems With Backstepping. IEEE Transactions on Industrial Electronics, 2014, 61, 6285-6293.	5.2	576
375	Active Disturbance Rejection-Based High-Precision Temperature Control of a Semibatch Emulsion Polymerization Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 3210-3221.	1.8	17
376	Robust sliding mode control for a class of nonlinear systems using inertial delay control. Nonlinear Dynamics, 2014, 78, 1921-1932.	2.7	27
377	Digital hardware implementation of an active disturbance rejection controller for a highly dynamic parallel orientation manipulator. , 2014, , .		3
378	A novel adaptive switching function on fault tolerable sliding mode control for uncertain stochastic systems. ISA Transactions, 2014, 53, 1528-1533.	3.1	3
379	A novel disturbance-observer based friction compensation scheme for ball and plate system. ISA Transactions, 2014, 53, 671-678.	3.1	48
380	Data-Driven Cooperative Intelligent Controller Based on the Endocrine Regulation Mechanism. IEEE Transactions on Control Systems Technology, 2014, 22, 94-101.	3.2	25
381	Engineering cybernetics: 60 years in the making. Control Theory and Technology, 2014, 12, 97-109.	1.0	10
382	Active Disturbance Rejection Control for Rejecting Boundary Disturbance from Multidimensional Kirchhoff Plate via Boundary Control. SIAM Journal on Control and Optimization, 2014, 52, 2800-2830.	1.1	33

#	ARTICLE	IF	CITATIONS
383	Active disturbance rejection control in steering by wire haptic systems. ISA Transactions, 2014, 53, 939-946.	3.1	17
384	Extended state observer based robust control of wing rock motion. Aerospace Science and Technology, 2014, 33, 107-117.	2.5	37
385	Application of a disturbance-rejection controller for robotic-enhanced limb rehabilitation trainings. ISA Transactions, 2014, 53, 899-908.	3.1	61
386	Guidance law against maneuvering targets with intercept angle constraint. ISA Transactions, 2014, 53, 1332-1342.	3.1	65
387	Robust proximate time-optimal servomechanism with speed constraint for rapid motion control. Robotics and Computer-Integrated Manufacturing, 2014, 30, 379-388.	6.1	12
388	GPI based velocity/force observer design for robot manipulators. ISA Transactions, 2014, 53, 929-938.	3.1	48
389	Digital current regulator for proportional electro-hydraulic valves with unknown disturbance rejection. ISA Transactions, 2014, 53, 909-919.	3.1	11
390	Active disturbance rejection control based on weighed-moving-average-state-observer. Journal of Mathematical Analysis and Applications, 2014, 411, 354-361.	0.5	4
391	RBFNDOB-based neural network inverse control for non-minimum phase MIMO system with disturbances. ISA Transactions, 2014, 53, 983-993.	3.1	24
392	Motion control of a novel 6-degree-of-freedom parallel platform based on modified active disturbance rejection controller. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 87-96.	0.7	7
393	Robust disturbance rejection in modified repetitive control system. Systems and Control Letters, 2014, 70, 100-108.	1.3	49
394	Application of active disturbance rejection control in tank gun control system. Journal of the Franklin Institute, 2014, 351, 2299-2314.	1.9	104
395	DEB-oriented Modelling and Control of Coal-Fired Power Plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 413-418.	0.4	11
396	State and Disturbance Estimation using Higher Order Sliding Modes for Seeker System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 348-354.	0.4	0
397	A Benchmark Distribution System for the Study of Power Quality Problems and their Compensation. , 2014, , .		0
398	The Stabilization of Multi-Dimensional Wave Equation with Boundary Control Matched Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11363-11368.	0.4	2
399	Sampled-data disturbance observer for a class of nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3346-3351.	0.4	12
400	Active Disturbance Rejection Control for a $2\ddot{A}-2$ Hyperbolic System with an Input Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11385-11390.	0.4	8

#	ARTICLE	IF	CITATIONS
401	Multiple-Disturbance Rejection for High Precision Positioning of a VCM Servo Gantry. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2052-2057.	0.4	1
402	Autonomous Rendezvous Control and Determination of Unknown Target Orbit. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9709-9714.	0.4	1
403	Experimental evaluation of a DO-FPID controller with different filtering properties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 198-203.	0.4	19
404	The research of traction control for the distributed driven electric vehicle. , 2014, , .		3
405	Towards a turnkey solution of industrial control under the active disturbance rejection paradigm. , 2015, , .		20
406	Decentralized SISO Active Disturbance Rejection Control of the Newell-Lee forced circulation evaporator. IFAC-PapersOnLine, 2015, 48, 409-414.	0.5	3
407	A comparison of tracking control methods in multi-legged robots. , 2015, , .		0
408	Analysis of active disturbance rejection control for processes with time delay. , 2015, , .		22
409	On robust stability of disturbance observer for sampled-data systems under fast sampling: An almost necessary and sufficient condition. , 2015, , .		5
410	The application of several nonlinear control methods in doubly fed wind power operation control. , 2015, , .		0
411	Autonomous vehicle following control based on an extended state observer. , 2015, , .		2
412	Attitude tracking control of a quadrotor based on linear active disturbance rejective control. , 2015, , .		5
413	Stabilization of multi-dimensional Kirchhoff plate with corrupted boundary observation. , 2015, , .		0
414	Extended Matlab based interactive model of a speed servo drive. , 2015, , .		2
415	Model Matching Control Based on Discrete-Time Improved ADRC Considering Plant Input-Side Disturbance. , 2015, , .		6
416	Voltage control of three phase inverters by using active disturbance rejection control. , 2015, , .		2
417	Online algorithm for third-order minimum time discrete tracking differentiator. , 2015, , .		0
418	Anti-disturbance control methodology for attitude tracking of an UAV. , 2015, , .		2



#	ARTICLE	IF	CITATIONS
419	Parameter tuning for decentralized low-order active disturbance rejection control scheme. , 2015, , .		0
420	Active disturbance rejection control for strip steering control in hot strip finishing mill. IFAC-PapersOnLine, 2015, 48, 42-47.	0.5	8
422	Active disturbance rejection control of once-through boiler unit coordinated system based on pseudo-diagonalization. , 2015, , .		1
423	Single-phase PWM rectifier based on ADRC and PR control. , 2015, , .		6
424	Quasi-unknown input based 2-DOF control for a class of flat nonlinear SISO systems. , 2015, , .		1
425	Agile Missile Autopilot Design for High Angle of Attack Maneuvering with Aerodynamic Uncertainty. Transactions of the Japan Society for Aeronautical and Space Sciences, 2015, 58, 270-279.	0.4	2
426	Active Disturbance Rejection Control System Design for a Morphing Wing Structure. Asian Journal of Control, 2015, 17, 832-841.	1.9	6
427	On the absolute stability of nonlinear ADRC for SISO systems. , 2015, , .		2
428	Model Free Command Filtered Backstepping Control for Marine Power Systems. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	4
429	An Adaptive Nonlinear Extended State Observer for the Sensorless Speed Control of a PMSM. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	7
430	Three-Stage Tracking Control for the LED Wafer Transporting Robot. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	0
431	Linear Active Disturbance Rejection Control of Dissolved Oxygen Concentration Based on Benchmark Simulation Model Number 1. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	5
432	Robust tracking control for linear vibrating mechanical systems. Revista Facultad De IngenierÃa, 2015, , .	0.5	0
433	Output feedback dynamic surface controller design for airbreathing hypersonic flight vehicle. IEEE/CAA Journal of Automatica Sinica, 2015, 2, 186-197.	8.5	13
434	Sampled data observer based inter-sample output predictor for Electro-Hydraulic Actuators. ISA Transactions, 2015, 58, 421-433.	3.1	13
435	Active Disturbance Rejection Control Design for Fast AFM. Key Engineering Materials, 0, 645-646, 670-674.	0.4	1
436	A New Flexure-Based $\eta$ Nanomanipulator With Nanometer-Scale Resolution and Millimeter-Scale Workspace. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1320-1330.	3.7	59
437	The precise modeling and active disturbance rejection control of voice coil motor in high precision motion control system. Applied Mathematical Modelling, 2015, 39, 5936-5948.	2.2	29

#	ARTICLE	IF	CITATIONS
438	Performance analysis of active disturbance rejection tracking control for a class of uncertain LTI systems. ISA Transactions, 2015, 58, 133-154.	3.1	117
439	Output Feedback Robust Control of Direct Current Motors With Nonlinear Friction Compensation and Disturbance Rejection. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	16
440	Extended state observer based impact angle constrained guidance law for maneuvering target interception. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 2589-2607.	0.7	15
442	ADRC With Adaptive Extended State Observer and its Application to Airâ€“Fuel Ratio Control in Gasoline Engines. IEEE Transactions on Industrial Electronics, 2015, 62, 5847-5857.	5.2	312
443	Active robust control of uncertainty and flexibility suppression for air-breathing hypersonic vehicles. Aerospace Science and Technology, 2015, 42, 429-441.	2.5	39
444	Power active filter control based on a resonant disturbance observer. IET Power Electronics, 2015, 8, 554-564.	1.5	11
445	Integrated guidance and control based on block backstepping sliding mode and dynamic control allocation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1559-1574.	0.7	33
446	Active disturbance rejection trajectory tracking control for two-joint driven by pneumatic artificial muscles. , 2015, , .		1
447	A decoupled active disturbance rejection controller for PMSM speed-regulation system with position feedback. , 2015, , .		4
448	A generalized framework for robust stability analysis of discrete-time disturbance observer for sampled-data systems: A fast sampling approach. , 2015, , .		3
449	A predictor-based neural modified DSC approach to distributed formation tracking of networked marine surface vehicles. , 2015, , .		0
450	Active disturbance rejection trajectory tracking control for pneumatic servo system based on backstepping approach. , 2015, , .		0
451	On boost pressure control of diesel engines with double-layer passage turbocharger. , 2015, , .		1
452	Low velocity tracking control-based ADRC for large-scale telescope system. Proceedings of SPIE, 2015, , .	0.8	2
453	Extended state observer based control for ground-coupled heat pump system. , 2015, , .		0
454	Positioning control of a one-DOF manipulator driven by pneumatic artificial muscles based on active disturbance rejection control. , 2015, , .		6
455	Predictive Observer based Lyapunov antiswing control for overhead visual crane. , 2015, , .		0
456	A comparative study of robust attitude synchronization controllers for multiple 3-DOF helicopters. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
457	On potential possibilities of gain and phase margin specifications-oriented robust tuning of Balance-Based Adaptive Controller. , 2015, , .		2
458	Extended state observer based output feedback asymptotic tracking control of DC motors. , 2015, , .		1
459	Automation of front end loaders: Self leveling task. , 2015, , .		6
460	Decentralized active disturbance rejection control for a benchmark boiler. , 2015, , .		1
461	An improved full-form-dynamic-linearization based MFAC for a class of nonlinear systems with exogenous disturbance. , 2015, , .		1
462	$\hat{\mu}$ -invariant output stabilization: Homogeneous approach and dead zone compensation. , 2015, , .		3
463	Active disturbance rejection controller design for distributed parameter systems. , 2015, , .		0
464	A novel tracking control method based on LADRC for autonomous mobile robot. , 2015, , .		4
465	Bottom-following control for an underactuated unmanned undersea vehicle using integral-terminal sliding mode control. Journal of Central South University, 2015, 22, 4193-4204.	1.2	24
466	A flatness based Active Disturbance Rejection Controller for the four tank benchmark problem. , 2015, , .		8
467	Autopilot design for a robotic unmanned surface vehicle. , 2015, , .		4
468	Extended State Observer for Helicopter Mass and Center-of-Gravity Estimation. Journal of Aircraft, 2015, 52, 1939-1950.	1.7	8
469	Active disturbance rejection control of singular differentially flat systems. , 2015, , .		5
470	Notice of Removal Active disturbance rejection control for nonlinear two-tank liquid level cascade systems with model uncertainties. , 2015, , .		2
471	Comparative study of ADRC and PID based Load Frequency Control. , 2015, , .		9
472	Dynamic positioning system based on active disturbance rejection technology. Journal of Ocean University of China, 2015, 14, 636-644.	0.6	7
473	Inferential Active Disturbance Rejection Control of a Distillation Column. IFAC-PapersOnLine, 2015, 48, 403-408.	0.5	4
474	Active disturbance rejection-based sliding mode control for a surface vessel. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
475	Spatial linear path-following control for an underactuated UUV. , 2015, , .		3
476	Nonlinear disturbance observer based sliding mode control for PWM-based DC-DC boost converter systems. , 2015, , .		6
477	Design and analysis of time-varying extended state observer. , 2015, , .		1
478	An ADRC based multiple activated anti-windup design. , 2015, , .		1
479	Disturbance rejection control method based on composite disturbance observer for permanent magnet synchronous motor. , 2015, , .		11
480	The position control of micro quad-rotor UAV based on ADRC. , 2015, , .		0
481	Dynamic Inversion Approach Study of UAV Lateral Control under Model Mismatch. , 2015, , .		0
482	Interactive Disturbance Observer Based Filtered PID Controller Design**This work has also been supported by Slovensk_a, e-akad_emia, n.o.. IFAC-PapersOnLine, 2015, 48, 241-246.	0.5	1
483	Ride comfort performance of a vehicle using active suspension system with active disturbance rejection control. International Journal of Vehicle Noise and Vibration, 2015, 11, 78.	0.0	25
484	Autonomous gliding entry guidance with geographic constraints. Chinese Journal of Aeronautics, 2015, 28, 1343-1354.	2.8	23
485	Inverted decoupling based active disturbance rejection control for multivariable systems. , 2015, , .		3
486	Super-Twisting Algorithm for DC Motor Position Control via Disturbance Observer. IFAC-PapersOnLine, 2015, 48, 43-48.	0.5	25
487	A linear active disturbance rejection control approach for near space vehicle autopilot. , 2015, , .		6
488	Linear Active Disturbance Rejection Control: Analysis and Tuning via IMC. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	86
489	A robust predictive current control for PMSM based on extended state observer. , 2015, , .		11
490	Output feedback stabilization for a PVTOL aircraft based on a sliding mode combined with an energy control strategy. , 2015, , .		1
491	Decoupled load sharing of multiple distributed generators in DC microgrids. , 2015, , .		2
492	Ship's track keeping based on variable structure active-disturbance rejection control. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
493	The research of mobile manipulator trajectory tracking cooperative control based on the ADRC. , 2015, , .		3
494	Extended state observer-based fractional order proportional-integral-derivative controller for a novel electro-hydraulic servo system with iso-actuation balancing and positioning. Advances in Mechanical Engineering, 2015, 7, 168781401562073.	0.8	7
495	Active disturbance rejection solution for single water tank systems with high-precision. , 2015, , .		1
496	Disturbance observer for dead-time compensation with variable gain and its stability analysis based on popov criterion. , 2015, , .		6
497	Second Order Sliding Mode control for three-level NPC converters via extended state observer. , 2015, , .		11
498	Predicative active disturbance rejection control for optimal power control of direct-driven PMSG with time delay. , 2015, , .		0
499	Active disturbance rejection controller for small fixed-wing UAVs with model uncertainty. , 2015, , .		11
500	Compound Control Strategy Based on Active Disturbance Rejection for Selected Catalytic Reduction systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	5
501	Disturbance rejection control solution for ship steering system with uncertain time delay. Ocean Engineering, 2015, 95, 78-83.	1.9	50
502	Neural Active Disturbance Rejection Output Control of Multimotor Servomechanism. IEEE Transactions on Control Systems Technology, 2015, 23, 746-753.	3.2	48
503	An asymptotic differentiation approach of signals in velocity tracking control of DC motors. Electric Power Systems Research, 2015, 122, 218-223.	2.1	26
504	On active disturbance rejection control for nonlinear systems using time-varying gain. European Journal of Control, 2015, 23, 62-70.	1.6	100
505	A 6DOF mathematical model of parachute in Mars EDL. Advances in Space Research, 2015, 55, 1823-1831.	1.2	8
506	Robust Speed Control of Induction Motor Drives Using First-Order Auto-Disturbance Rejection Controllers. IEEE Transactions on Industry Applications, 2015, 51, 712-720.	3.3	107
507	The active disturbance rejection control approach to stabilisation of coupled heat and ODE system subject to boundary control matched disturbance. International Journal of Control, 2015, 88, 1554-1564.	1.2	56
508	A novel active disturbance rejection based tracking design for laser system with quadrant photodetector. International Journal of Control, 2015, 88, 1246-1256.	1.2	7
509	Generalized proportional integral observer based control of an omnidirectional mobile robot. Mechatronics, 2015, 26, 36-44.	2.0	27
510	Linear active disturbance rejection-based load frequency control concerning high penetration of wind energy. Energy Conversion and Management, 2015, 95, 259-271.	4.4	62

#	ARTICLE	IF	CITATIONS
511	Nonlinear fractional order proportion-integral-derivative active disturbance rejection control method design for hypersonic vehicle attitude control. <i>Acta Astronautica</i> , 2015, 111, 160-169.	1.7	65
512	Feedforward nonlinear PID control of a novel micromanipulator using Preisach hysteresis compensator. <i>Robotics and Computer-Integrated Manufacturing</i> , 2015, 34, 124-132.	6.1	67
513	High angle of attack command generation technique and tracking control for agile missiles. <i>Aerospace Science and Technology</i> , 2015, 45, 324-334.	2.5	16
514	Active Disturbance Rejection Control of a SCARA Robot Arm. <i>International Journal of U- and E-Service, Science and Technology</i> , 2015, 8, 435-446.	0.1	10
515	Design and analysis on fractional-order tracking differentiator. , 2015, , .		3
516	Mars atmospheric entry guidance for reference trajectory tracking. <i>Aerospace Science and Technology</i> , 2015, 45, 335-345.	2.5	41
517	Leader-following consensus of heterogeneous multi-agent systems with packet dropout. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 1067-1075.	1.6	20
518	Flatness-based active disturbance rejection control for linear systems with unknown time-varying coefficients. <i>International Journal of Control</i> , 2015, 88, 2578-2587.	1.2	18
519	Leader-follower consensus of linear multi-agent systems with unknown external disturbances. <i>Systems and Control Letters</i> , 2015, 82, 64-70.	1.3	157
520	The Active Disturbance Rejection Control to Stabilization for Multi-Dimensional Wave Equation With Boundary Control Matched Disturbance. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 143-157.	3.6	123
521	Control of uncertain nonlinear systems based on observers and estimators. <i>Automatica</i> , 2015, 59, 35-47.	3.0	98
522	Back-stepping active disturbance rejection control design for integrated missile guidance and control system via reduced-order ESO. <i>ISA Transactions</i> , 2015, 57, 10-22.	3.1	156
523	Adaptive security management of real-time storage applications over NAND based storage systems. <i>Journal of Network and Computer Applications</i> , 2015, 52, 139-153.	5.8	5
524	Survey on methods of increasing the efficiency of extended state disturbance observers. <i>ISA Transactions</i> , 2015, 56, 18-27.	3.1	225
525	Active Disturbance Rejection Control of a methanol-water separation distillation column. , 2015, , .		5
526	An improved nonlinear model for a helicopter and its self-repairing control with multiple faults via quantum information technique. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 557-566.	1.6	5
527	Stability analysis of the anti-stable heat equation with uncertain disturbance on the boundary. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 428, 1193-1201.	0.5	5
528	Research of Tornambe Control in the Speed Regulation of Induction Motor System. <i>Applied Mechanics and Materials</i> , 0, 734, 277-280.	0.2	0

#	ARTICLE	IF	CITATIONS
529	Fault Tolerant Attitude Control for Small Satellites Using Single Gimbal Control Moment Gyros and Magnetic Torquers. <i>Journal of Aerospace Engineering</i> , 2015, 28, 04014079.	0.8	4
530	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.	5.2	185
531	Active Disturbance Rejection Position Control for a Magnetic Rodless Pneumatic Cylinder. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 5838-5846.	5.2	97
532	State and Extended Disturbance Observer for Sliding Mode Control of Mismatched Uncertain Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	0.9	24
533	Extended state observerâ€based sliding mode control for PWMâ€based DCâ€DC buck power converter systems with mismatched disturbances. <i>IET Control Theory and Applications</i> , 2015, 9, 579-586.	1.2	250
534	Absolute stability analysis of nonâ€linear active disturbance rejection control for singleâ€inputâ€singleâ€output systems via the circle criterion method. <i>IET Control Theory and Applications</i> , 2015, 9, 2320-2329.	1.2	34
535	Back-stepping control of two-link flexible manipulator based on an extended state observer. <i>Advances in Space Research</i> , 2015, 56, 2312-2322.	1.2	71
536	Sliding-mode control for three-phase PWM inverter via harmonic disturbance observer. , 2015, , .		3
537	On control design and tuning for first order plus time delay plants with significant uncertainties. , 2015, , .		13
538	Robust control of DC motors based on disturbance estimation. , 2015, , .		1
539	On oscillation reduction in feedback control for processes with an uncertain dead time and internalâ€external disturbances. <i>ISA Transactions</i> , 2015, 59, 29-38.	3.1	22
540	Simulation comparison among three data-driven control methods for the planar manipulator. , 2015, , .		0
541	Design of active disturbance rejection controller for biarticular legged robot. , 2015, , .		0
542	Perturbation estimation based coordinated adaptive passive control for multimachine power systems. <i>Control Engineering Practice</i> , 2015, 44, 172-192.	3.2	42
543	Back-stepping control of two-link flexible manipulator based on extended state observer. , 2015, , .		2
544	Extended state observer for uncertain lower triangular nonlinear systems. <i>Systems and Control Letters</i> , 2015, 85, 100-108.	1.3	81
545	Robust decentralized control of interconnected nonlinear systems subject to uncertainties and disturbances via generalized extended state observers. , 2015, , .		0
546	A novel extended state observer. <i>ISA Transactions</i> , 2015, 58, 309-317.	3.1	73

#	ARTICLE	IF	CITATIONS
547	Sampled data observer design based inter-sample output predictor for Electro-Hydraulic Actuators systems. , 2015, , .		1
548	A Class of Adaptive Extended State Observers for Nonlinear Disturbed Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 5858-5869.	5.2	175
549	Chaos control in the Buck converter by using active disturbance rejection control technique. , 2015, , .		1
550	Design of a Prediction-Accuracy-Enhanced Continuous-Time MPC for Disturbed Systems via a Disturbance Observer. IEEE Transactions on Industrial Electronics, 2015, 62, 5807-5816.	5.2	186
551	Discrete-Time Resonant Observer Based Control for Periodic Signal Rejection. IEEE Latin America Transactions, 2015, 13, 1279-1285.	1.2	5
552	On the linear Active Disturbance Rejection Control of the inertia wheel pendulum. , 2015, , .		9
553	On the augmentation of Luenberger Observer-based state feedback design for better robustness and disturbance rejection. , 2015, , .		3
554	On frequency response analysis of GPIO. , 2015, , .		1
555	Flatness based active disturbance rejection control for cart inverted pendulum and experimental study. , 2015, , .		4
556	Analysis of robustness for industrial motion control using Extended State Observer with experimental validation. , 2015, , .		8
557	Nonlinear Control for Tracking and Obstacle Avoidance of a Wheeled Mobile Robot With Nonholonomic Constraint. IEEE Transactions on Control Systems Technology, 2015, , 1-1.	3.2	65
558	Extended State Observer Based Control of Flexible Link Manipulator in Presence of Unknown Payload Dynamics. , 2015, , .		8
559	An active disturbance rejection controller for marine dynamic positioning system based on biogeography-based optimization. , 2015, , .		5
560	Robust control for three-phase grid connected power converters via second order sliding mode. , 2015, , .		9
561	Autonomous landing for unmanned seaplanes based on active disturbance rejection control. , 2015, , .		3
562	A cascade control for Sander automation system. , 2015, , .		1
563	UAV formation: From numerical simulation to actual flight. , 2015, , .		9
564	A continuous second-order sliding mode guidance against highly maneuverable targets. , 2015, , .		0



#	ARTICLE	IF	CITATIONS
565	Sliding mode control for diesel generator via disturbance observer. , 2015, , .		1
566	Design and analysis of Linear Active Disturbance Rejection Controller for AVR system. , 2015, , .		3
567	GESO based robust optimal guidance. , 2015, , .		0
568	Attitude control of a quadrotor unmanned aerial vehicle based on linear extended state observer. , 2015, , .		3
569	First look at conditions on applicability of ADRC. , 2015, , .		5
570	Active disturbance rejection control: From an enduring idea to an emerging technology. , 2015, , .		54
571	Morphing Strategy Design for Variable-Wing Aircraft. , 2015, , .		8
572	Enhanced trajectory linearization control based advanced guidance and control for hypersonic reentry vehicle with multiple disturbances. Aerospace Science and Technology, 2015, 46, 523-536.	2.5	23
573	Harmonic disturbances observer based control for DC-AC inverter. , 2015, , .		1
574	UDE-based 2-DOF control design for Input/Output delay system. , 2015, , .		5
575	The compensated Active Disturbance Rejection Controller based on Sliding Mode Control for PMSM. , 2015, , .		1
576	On convergence of extended state observers for discrete-time nonlinear systems. , 2015, , .		11
577	Disturbance rejection: A central issue in process control. , 2015, , .		4
578	Design of single leg foot force controller for hydraulic actuated quadruped robot based on ADRC. , 2015, , .		1
579	Design and experimental validation of a model-based rail pressure controller for common rail diesel engines. , 2015, , .		0
580	On decoupling control of uncertain and multivariable systems with time delays. , 2015, , .		1
581	Robust active disturbance rejection controller design to improve low-voltage ride-through capability of doubly fed induction generator wind farms. IET Renewable Power Generation, 2015, 9, 961-969.	1.7	29
582	Robust observer design via the GKYP lemma. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
583	A generalized active disturbance rejection control approach for linear systems. , 2015, , .		16
584	High order disturbance observer design for linear and nonlinear systems. , 2015, , .		15
585	Active disturbance rejection by state feedback: Experimental validation in a 3-DOF quadrotor platform. , 2015, , .		8
586	Frequency domain stability analysis of nonlinear active disturbance rejection control system. ISA Transactions, 2015, 56, 188-195.	3.1	28
587	Output Feedback Stabilization for One-Dimensional Wave Equation Subject to Boundary Disturbance. IEEE Transactions on Automatic Control, 2015, 60, 824-830.	3.6	122
588	Robust Trajectory Tracking of a Delta Robot Through Adaptive Active Disturbance Rejection Control. IEEE Transactions on Control Systems Technology, 2015, 23, 1387-1398.	3.2	127
589	Load frequency control in deregulated environments via active disturbance rejection. International Journal of Electrical Power and Energy Systems, 2015, 66, 166-177.	3.3	61
590	Active Disturbance Rejection Control Applied To A Delta Parallel Robot In Trajectory Tracking Tasks. Asian Journal of Control, 2015, 17, 636-647.	1.9	27
591	Active Disturbance Rejection Control of a Magnetic Suspension System. Asian Journal of Control, 2015, 17, 842-854.	1.9	18
592	Nonlinear tracking control based on extended state observer for vehicle active suspensions with performance constraints. Mechatronics, 2015, 30, 363-370.	2.0	92
593	Rotor current control for a doubly-fed induction generator using a novel nonlinear robust control approach based on extended state observerâ€œbackstepping. Transactions of the Institute of Measurement and Control, 2015, 37, 494-504.	1.1	12
594	Estimation and compensation of unknown disturbance in three-axis gyro-stabilized camera mount. Transactions of the Institute of Measurement and Control, 2015, 37, 732-745.	1.1	15
595	Active disturbance rejection based trajectory linearization control for hypersonic reentry vehicle with bounded uncertainties. ISA Transactions, 2015, 54, 27-38.	3.1	143
596	Extended-state-observer-based adaptive control for synchronisation of multi-agent systems with unknown nonlinearities. International Journal of Systems Science, 2015, 46, 2520-2530.	3.7	17
597	A modified dynamic surface approach for control of nonlinear systems with unknown input dead zone. International Journal of Robust and Nonlinear Control, 2015, 25, 1145-1167.	2.1	33
598	Adaptive load observer-based feed-forward control in PMSM drive system. Transactions of the Institute of Measurement and Control, 2015, 37, 414-424.	1.1	17
599	A Novel Control Method for Transformerless H-Bridge Cascaded STATCOM With Star Configuration. IEEE Transactions on Power Electronics, 2015, 30, 1189-1202.	5.4	96
600	Adaptive nonsingular terminal sliding mode guidance law against maneuvering targets with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 867-890.	0.7	22

#	ARTICLE	IF	CITATIONS
601	Active Disturbance Rejection Control for a Flywheel Energy Storage System. IEEE Transactions on Industrial Electronics, 2015, 62, 991-1001.	5.2	167
602	A cytokine network-inspired cooperative control system for multi-stage stretching processes in fiber production. Soft Computing, 2015, 19, 1523-1540.	2.1	3
603	Sliding Mode Control to Stabilization of a Tip-Force Destabilized Shear Beam Subject to Boundary Control Matched Disturbance. Journal of Dynamical and Control Systems, 2016, 22, 117-128.	0.4	9
604	ADRC Method for Noncascaded Integral System Based on the Total Derivative of Composite Functions of Several Variables. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	0
605	A Linear Active Disturbance Rejection Control for a Ball and Rigid Triangle System. Mathematical Problems in Engineering, 2016, 2016, 1-11.	0.6	13
606	A Decoupling Control Strategy for Multilayer Register System in Printed Electronic Equipment. Mathematical Problems in Engineering, 2016, 2016, 1-14.	0.6	4
607	Robust Observer Based Disturbance Rejection Control for Euler-Lagrange Systems. Mathematical Problems in Engineering, 2016, 2016, 1-13.	0.6	4
608	Generalized ESO and Predictive Control Based Robust Autopilot Design. Journal of Control Science and Engineering, 2016, 2016, 1-12.	0.8	8
609	Extended State Observer-Based Sliding Mode Control with New Reaching Law for PMSM Speed Control. Mathematical Problems in Engineering, 2016, 2016, 1-10.	0.6	18
610	Inverse Optimal Attitude Stabilization of Flexible Spacecraft with Actuator Saturation. International Journal of Aerospace Engineering, 2016, 2016, 1-14.	0.5	3
611	Neural Network Based Active Disturbance Rejection Control of a Novel Electrohydraulic Servo System for Simultaneously Balancing and Positioning by Isoactuation Configuration. Shock and Vibration, 2016, 2016, 1-9.	0.3	3
612	Improved ADRC for a Maglev Planar Motor with a Concentric Winding Structure. Applied Sciences (Switzerland), 2016, 6, 419.	1.3	8
613	Fuzzy Adaptive Repetitive Control for Periodic Disturbance with Its Application to High Performance Permanent Magnet Synchronous Motor Speed Servo Systems. Entropy, 2016, 18, 261.	1.1	5
614	Design decoupling control strategy of four-layer register system for printed electronic equipments. , 2016, , .		0
615	Disturbance Estimation Based Modeling Technique for Control and Prediction in Controllable Mechanical Turbo-Compounding System. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 0, 9, 43-51.	0.3	2
616	Trajectory Tracking Control for Robot Manipulator using Fractional Order-Fuzzy-PID Controller. International Journal of Computer Applications, 2016, 134, 22-29.	0.2	24
617	A Tandem Active Disturbance Rejection Control for a Laboratory Helicopter With Variable-Speed Rotors. IEEE Transactions on Industrial Electronics, 2016, 63, 6395-6406.	5.2	38
618	Active disturbance rejection control for nonlinear fractional-order systems. International Journal of Robust and Nonlinear Control, 2016, 26, 876-892.	2.1	61

#	ARTICLE	IF	CITATIONS
619	Low dimensional disturbance observer-based control for nonlinear parabolic PDE systems with spatio-temporal disturbances. International Journal of Robust and Nonlinear Control, 2016, 26, 2686-2707.	2.1	7
620	Anti-windup design for uncertain nonlinear systems subject to actuator saturation and external disturbance. International Journal of Robust and Nonlinear Control, 2016, 26, 3421-3438.	2.1	40
621	Notice of Removal Tuning ADRC for multi-variable system based on existing PID parameters. , 2016, , .		0
622	A new PMSM speed modulation system with sliding mode based on active-disturbance-rejection control. Journal of Central South University, 2016, 23, 1406-1415.	1.2	21
623	Model-free control of surface mounted PMSM drive system. , 2016, , .		40
624	Active disturbance rejection control approach to stabilization of lower triangular systems with uncertainty. International Journal of Robust and Nonlinear Control, 2016, 26, 2314-2337.	2.1	30
625	Robust Repetitive Control and Disturbance Rejection Based on Two-Dimensional Model and Equivalent-Input-Disturbance Approach. Asian Journal of Control, 2016, 18, 2325-2335.	1.9	22
626	Integrated cooperative control scheme for multiple quadrotors based on improved adaptive disturbance rejection control. , 2016, , .		3
627	Robust trajectory following without availability of the reference time-derivatives in the control scheme with active disturbance rejection. , 2016, , .		23
628	Linear active disturbance rejection control for LCL type grid-connected converter. , 2016, , .		3
629	Trajectory Tracking for Mars Atmospheric Entry Based on High-Order Sliding Mode Control. , 2016, , .		0
630	A quaternion-based and active disturbance rejection attitude control for quadrotor. , 2016, , .		6
631	A testbed for aerial robots formation flight. , 2016, , .		4
632	Flat filtering: A classical approach to robust control of nonlinear systems. , 2016, , .		11
633	Robust uncertainty compensation in MagLev by using extended state observer. , 2016, , .		4
634	Active disturbance rejection control in Stribeck friction dynamic compensation for high-accuracy servo systems. , 2016, , .		4
635	Inferential active disturbance rejection control of a heat integrated distillation column. , 2016, , .		3
636	ADRC methodology for a quadrotor UAV transporting hanged payload. , 2016, , .		10

#	ARTICLE	IF	CITATIONS
637	Active disturbance rejection control for diving motion of Autonomous Underwater Vehicles. , 2016, , .		0
638	A robust current control based on proportional-integral observers for permanent magnet synchronous machines. , 2016, , .		2
639	Desired compensation neural network adaptive robust control of an industrial linear motor motion system with comparative experimental investigation. , 2016, , .		4
640	Time-varying spectrum based active disturbance rejection control for hypersonic reentry vehicle. , 2016, , .		2
641	Extended state based $H_{\infty}$ filter. , 2016, , .		0
642	Robust predictive current control with total disturbance observer for a synchronous motor drive. , 2016, , .		5
643	Autonomous homing control of a parafoil system based on ADRC. , 2016, , .		1
644	Robustification of the modular tracking controller for the N-Trailers by employing a disturbance observation-compensation loop. , 2016, , .		2
645	On extended state predictor observer based active disturbance rejection control for uncertain systems with sensor delay. , 2016, , .		21
646	Tuning ADRC for multi-variable system based on existing PID parameters. , 2016, , .		2
647	Active disturbance rejection control for fluidized bed combustor. , 2016, , .		6
648	A two-order finite-time-convergent differentiator with application to nuclear reactors. , 2016, , .		0
649	Internal model control using active disturbance rejection control with time delay. , 2016, , .		0
650	Advanced quadrotor takeoff control based on incremental nonlinear dynamic inversion and integral extended state observer. , 2016, , .		2
651	Active disturbance rejection control of linear induction motor. , 2016, , .		3
652	Nondissipative controllers design of a rotating flexible structure subject to boundary control matched disturbances. , 2016, , .		0
653	Chaos control of the micro-electro-mechanical resonator by using adaptive dynamic surface technology with extended state observer. AIP Advances, 2016, 6, .	0.6	13
654	Heating Control of Heated Twin Radiosonde Humidity Sensor Based on DMC. Polish Maritime Research, 2016, 23, 52-58.	0.6	1

#	ARTICLE	IF	CITATIONS
655	Analysis and design of extended state observer with reference model. , 2016, , .		0
656	A distributed ESO based cooperative current-sharing strategy for parallel charging systems under disturbances. , 2016, , .		5
657	Comparison of linear and nonlinear active disturbance rejection control method for hypersonic vehicle. , 2016, , .		8
658	Estimation of decentralized unknown dynamics for a 2DOF manipulator using a time varying extended state observer. , 2016, , .		1
659	Output feedback stabilization for one-dimensional heat equation with general external disturbance. , 2016, , .		3
660	On Relationship Between Time-Domain and Frequency-Domain Disturbance Observers and Its Applications. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, .	0.9	51
661	Extended state observer based fault detection and location method for modular multilevel converters. , 2016, , .		2
662	When adversary encounters uncertain cyber-physical systems: Robust zero-dynamics attack with disclosure resources. , 2016, , .		36
663	Discrete extended state observer based repetitive control system for improved disturbance rejection performance. , 2016, , .		3
664	Trajectory tracking control of an omnidirectional mobile robot with friction compensation. , 2016, , .		9
665	Active disturbance rejection based iterative learning control. , 2016, , .		10
666	Multi-rate Observer Based Sliding Mode Control with Frequency Shaping for Vibration Suppression Beyond Nyquist Frequency**This work was sponsored by Western Digital Corporation.. IFAC-PapersOnLine, 2016, 49, 13-18.	0.5	19
667	Stabilization of Timoshenko beam using disturbance observer-based boundary controls. , 2016, , .		0
668	Extended state observer with phase compensation to estimate and suppress high-frequency disturbances. , 2016, , .		11
669	Active Disturbance Rejection Controller for PMSM Current Loop Based on Improvement of Time Delay. , 2016, , .		4
670	Simultaneous regulation of position and orientation for nonholonomic mobile robot. , 2016, , .		5
671	Homogeneous Active Disturbance Attenuation for a Perturbed Chain of Integrators. IFAC-PapersOnLine, 2016, 49, 534-539.	0.5	0
672	Linear-quadratic output regulator for systems with disturbance: Application to vehicle launch control. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
673	Performance Enhancement of Constant Voltage Based MPPT for Photovoltaic Applications Using Genetic Algorithm. Energy Procedia, 2016, 100, 217-222.	1.8	22
674	Nonlinear disturbance observer-based control for a class of nonlinear systems. , 2016, , .		6
675	Permanent magnet brushless motor control based on ADRC. MATEC Web of Conferences, 2016, 40, 08003.	0.1	3
676	Performance enhanced design of chaos controller for the mechanical centrifugal flywheel governor system via adaptive dynamic surface control. AIP Advances, 2016, 6, 095217.	0.6	7
677	Research of maglev train suspension algorithm based on active disturbance rejection control. , 2016, , .		3
678	Robust control of DC motor drives using higher-order integral terminal sliding mode. , 2016, , .		2
679	Fault diagnosis of modular multilevel converters based on extended state observer. , 2016, , .		1
680	Active disturbance rejection control approach to output-feedback stabilization of MIMO systems with stochastic uncertainty. , 2016, , .		0
681	Three dimensional impact angle constrained integrated guidance and control for missiles with input saturation and actuator failure. Aerospace Science and Technology, 2016, 53, 169-187.	2.5	78
682	High pressure common rail injection system modeling and control. ISA Transactions, 2016, 63, 265-273.	3.1	54
683	Robust fractional order sliding mode control of doubly-fed induction generator (DFIG)-based wind turbines. ISA Transactions, 2016, 63, 343-354.	3.1	132
684	GPIO-Based Robust Control of Nonlinear Uncertain Systems Under Time-Varying Disturbance With Application to DC-DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 1074-1078.	2.2	60
685	A homogeneous active disturbance attenuation methodology for a perturbed chain of power integrators. Journal of the Franklin Institute, 2016, 353, 2614-2626.	1.9	4
686	A high-performance flight control approach for quadrotors using a modified active disturbance rejection technique. Robotics and Autonomous Systems, 2016, 83, 177-187.	3.0	43
687	A compound control method for the rejection of spatially periodic and uncertain disturbances of rotary machines and its implementation under uniform time sampling. Control Engineering Practice, 2016, 53, 68-78.	3.2	10
688	Study of Performance of ADRC for Longitudinal Control of MAV. IFAC-PapersOnLine, 2016, 49, 585-590.	0.5	11
689	Attitude tracking control for spacecraft formation with time-varying delays and switching topology. Acta Astronautica, 2016, 126, 98-108.	1.7	42
690	Direct Power Control for Three-Phase Two-Level Voltage-Source Rectifiers Based on Extended-State Observation. IEEE Transactions on Industrial Electronics, 2016, 63, 4593-4603.	5.2	56

#	ARTICLE	IF	CITATIONS
691	Dynamic performance improvement of DFIG-based WT using NADRC current regulators. International Journal of Electrical Power and Energy Systems, 2016, 82, 363-372.	3.3	12
693	Isolation control for inertially stabilized platform based on nonlinear friction compensation. Nonlinear Dynamics, 2016, 84, 1123-1133.	2.7	19
694	A generalized robust decentralized control methodology for a class of interconnected nonlinear systems subject to uncertainties and disturbances. Nonlinear Analysis: Hybrid Systems, 2016, 22, 55-71.	2.1	7
695	Back-stepping robust trajectory linearization control for hypersonic reentry vehicle via novel tracking differentiator. Journal of the Franklin Institute, 2016, 353, 1957-1984.	1.9	77
696	Output-based disturbance rejection control for nonlinear uncertain systems with unknown frequency disturbances using an observer backstepping approach. IET Control Theory and Applications, 2016, 10, 1052-1060.	1.2	34
697	Combined feedforward and model-assisted active disturbance rejection control for non-minimum phase system. ISA Transactions, 2016, 64, 24-33.	3.1	78
698	Extended state observer for uncertain lower triangular nonlinear systems subject to stochastic disturbance. Control Theory and Technology, 2016, 14, 179-188.	1.0	3
699	Sampled-data extended state observer for uncertain nonlinear systems. Control Theory and Technology, 2016, 14, 189-198.	1.0	3
700	On ADRC for non-minimum phase systems: canonical form selection and stability conditions. Control Theory and Technology, 2016, 14, 199-208.	1.0	20
701	Robust partial integrated guidance and control for missiles via extended state observer. ISA Transactions, 2016, 65, 27-36.	3.1	31
702	Active regulation of battery charge-sustaining in ECMS: Application in energy management for engine waste heat recovery system. International Journal of Automotive Technology, 2016, 17, 1055-1065.	0.7	3
703	Active disturbance rejection control: between the formulation in time and the understanding in frequency. Control Theory and Technology, 2016, 14, 250-259.	1.0	52
704	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.. IFAC-PapersOnLine, 2016, 49, 278-283.	0.5	8
705	A Disturbance Rejection-based Control Framework for SI-CAI Hybrid Combustion in Gasoline Engines. IFAC-PapersOnLine, 2016, 49, 665-672.	0.5	1
706	FPGA system-level based design of multi-axis ADRC controller. Mechatronics, 2016, 40, 146-155.	2.0	31
707	UDE-based robust control for nonlinear systems with mismatched uncertainties and input saturation. , 2016, , .		1
708	Robust Control of Buck-Boost Converter in Energy Harvester: A Linear Disturbance Observer Approach. Advances in Intelligent Systems and Computing, 2016, , 555-566.	0.5	1
709	L1 adaptive controller design for hypersonic formation flight. Science China Technological Sciences, 2016, 59, 1597-1608.	2.0	5



#	ARTICLE	IF	CITATIONS
710	Novel Composite Sliding Mode Control for PMSM Drive System Based on Disturbance Observer. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	77
711	Linear Active Disturbance Rejection Control Approach for Load Frequency Control Problem Using Diminishing Step Fruit Fly Algorithm. Lecture Notes in Electrical Engineering, 2016, , 9-18.	0.3	0
712	Adaptive composite disturbance observer based control for PMSM subject to multiple disturbances. , 2016, , .		1
713	Back-stepping control for vertical axis wind power generation system maximum power point tracking based on extended state observer. , 2016, , .		3
714	Output feedback dynamic tracking excitation control of synchronous generators. IET Generation, Transmission and Distribution, 2016, 10, 3041-3049.	1.4	5
715	Adaptive frequency-shaped sliding mode control for narrow-band disturbance rejection. , 2016, , .		2
716	Robust tuning for first-order reduced active disturbance rejection controller. , 2016, , .		3
717	Active disturbance rejection control of a heat integrated distillation column. , 2016, , .		3
718	Feedback posicast control for micromachined electrostatic actuators. Micro and Nano Letters, 2016, 11, 722-726.	0.6	1
719	Model predictive torque control of PMSM systems based on sliding mode control. , 2016, , .		2
720	An active disturbance rejection control solution for the two-mass-spring benchmark problem. , 2016, , .		29
721	Adaptive robust control for backlash nonlinearity with extended state observer. , 2016, , .		0
722	Variable structure attitude control for a rolling aerial vehicle via extended state observer. , 2016, , .		1
723	Attenuating diagonal decoupling with robustness for velocity-varying 4WS vehicles. Control Engineering Practice, 2016, 56, 49-59.	3.2	8
724	Autonomous homing control of a powered parafoil with insufficient altitude. ISA Transactions, 2016, 65, 516-524.	3.1	24
725	Tracking Control of Ball Screw Drives Using ADRC and Equivalent-Error-Model-Based Feedforward Control. IEEE Transactions on Industrial Electronics, 2016, 63, 7682-7692.	5.2	45
726	FPGA-based active disturbance rejection control for antenna servo systems. , 2016, , .		2
727	An overview on V2G strategies to impacts from EV integration into power system. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
728	Robust active damping control of LCL filtered grid connected converter based active disturbance rejection control. , 2016, , .		14
729	On convergence of nonlinear extended stated observers with switching functions. , 2016, , .		3
730	Active disturbance rejection control (ADRC)-based autonomous homing control of powered parafoils. Nonlinear Dynamics, 2016, 86, 1461-1476.	2.7	40
731	Idle speed controller based on active disturbance rejection control in diesel engines. International Journal of Automotive Technology, 2016, 17, 937-945.	0.7	25
732	Matlab Based Interactive Model of a Position Servo Drive**This work has been supported by grants Vega 1/0937/14 Advanced methods for nonlinear modeling and control of mechatronic systems and APVV-0343-12 Computer aided robust nonlinear control design.. IFAC-PapersOnLine, 2016, 49, 297-302.	0.5	4
733	Quadrotor control based on an estimator of external forces and moments. , 2016, , .		5
734	Adaptive backstepping output feedback control for a class of nonlinear fractional order systems. Nonlinear Dynamics, 2016, 86, 1047-1056.	2.7	133
735	Tuning of linear ADRC with known plant information. ISA Transactions, 2016, 65, 384-393.	3.1	79
736	On the sensorless rotor position control of the permanent magnet synchronous motor: An active disturbance rejection approach. , 2016, , .		6
737	Robust Motion Control System Design With Scheduled Disturbance Observer. IEEE Transactions on Industrial Electronics, 2016, 63, 6519-6529.	5.2	40
738	Design of PID and ADRC based quadrotor helicopter control system. , 2016, , .		14
739	Active disturbance rejection and predictive control strategy for a quadrotor helicopter. IET Control Theory and Applications, 2016, 10, 2213-2222.	1.2	101
740	A new method to tune linear active disturbance rejection controller. , 2016, , .		2
741	Attitude control and sloshing suppression for liquid-filled spacecraft in the presence of sinusoidal disturbance. Journal of Sound and Vibration, 2016, 383, 64-75.	2.1	14
742	An active disturbance rejection controller with hysteresis compensation for piezoelectric actuators. , 2016, , .		9
743	Method of eliminating velocity ripples in Brushless DC motor based on internal model principle and sliding model control. , 2016, , .		4
744	Nonlinear path following control of the underactuated AUV via reduced-order LESOs and NTD. , 2016, , .		1
745	Improved rotor position estimation for permanent magnet synchronous machines based on hall-effect sensors. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
747	Friction compensation control of space manipulator considering the effects of gravity. , 2016, , .		0
748	Path tracking control for eight-rotor aircraft based on linear ADRC algorithm. , 2016, , .		5
749	Active disturbance rejection controller for variable flow gainâ€“proportional throttle cartridge valve. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 1106-1115.	0.7	2
750	Adaptive cyberâ€“physical system attack detection and reconstruction with application to power systems. IET Control Theory and Applications, 2016, 10, 1458-1468.	1.2	128
751	A novel SPSA-based IMC-PID data-driven control method. , 2016, , .		1
752	Speed control of electric drives using Active Disturbance Rejection Control. , 2016, , .		3
753	Robust flat filtering DSP based control of the boost converter. Control Theory and Technology, 2016, 14, 224-236.	1.0	13
754	Design and real-time implementation of perturbation observer based sliding-mode control for VSC-HVDC systems. Control Engineering Practice, 2016, 56, 13-26.	3.2	47
755	A robust back-stepping based trajectory tracking controller for the tanker with strict posture constraints under unknown flow perturbations. Aerospace Science and Technology, 2016, 56, 34-45.	2.5	43
756	Spatial-domain active disturbance rejection control for load mitigation in horizontal-axis wind turbines. , 2016, , .		4
757	Reactivity Estimation Based on an Extended State Observer of Neutron Kinetics. IEEE Transactions on Nuclear Science, 2016, 63, 2691-2697.	1.2	19
758	Speed control of the permanent-magnet DC motor subjected to uncertainty and disturbance. , 2016, , .		11
759	Model matching control in an improved discrete-time ADRC using the zero-order hold considering input-side disturbance. , 2016, , .		1
760	Practical solution to positivity problem in water management systems - an ADRC approach. , 2016, , .		9
761	Proppant-Conveyor Automation System With Cascade Control in Hydraulic Fracturing. SPE Production and Operations, 2016, 31, 310-317.	0.4	0
762	Predictive direct power control for grid-connected power converters with an Extended State Observer based dc-link voltage regulator. , 2016, , .		3
763	ESO-based line-of-sight guidance law for straight line path following with exact sideslip compensation. , 2016, , .		6
764	Finite dimensional disturbance observer based control for nonlinear parabolic PDE systems via output feedback. Journal of Process Control, 2016, 48, 25-40.	1.7	25

#	ARTICLE	IF	CITATIONS
765	On active disturbance rejection for systems with input time-delays and unknown dynamics. , 2016, , .		11
766	Output regulation with unknown-input exosystems. , 2016, , .		0
767	Analysis and Design of a Speed Controller for Electric Load Simulators. IEEE Transactions on Industrial Electronics, 2016, 63, 7413-7422.	5.2	32
768	Autonomous rendezvous of spacecraft on elliptical orbit based on active disturbance rejection control. , 2016, , .		0
769	On asymptotic stability for nonlinear ADRC based control system with application to the ball-beam problem. , 2016, , .		23
770	A design of dredger cutter motor synchronous speed control system based on ADRC. , 2016, , .		3
771	ADRC for nonlinear time-variant systems with unknown orders. , 2016, , .		2
772	Application of adaptive sliding mode control with integral/exponential adaptation law to mechanical manipulators. , 2016, , .		1
773	ADRC-based model predictive current control for PMSMs fed by three-phase four-switch inverters. , 2016, , .		8
774	The dredger cutter motion control system based on ADRC technology. , 2016, , .		1
775	ADRC-based model predictive torque control for PMSMs fed by three-phase four-switch inverters. , 2016, , .		1
776	Robust backstepping control for a class of nonlinear systems using generalized disturbance observer. International Journal of Control, Automation and Systems, 2016, 14, 1475-1483.	1.6	21
777	Generalized output feedback active disturbance rejection control for uncertain lower-triangular nonlinear systems. , 2016, , .		1
778	Add-on module of Active Disturbance Rejection for set-point tracking of motion control systems. , 2016, , .		1
779	Variable structure active-disturbance rejection control for path following of underactuated ship. , 2016, , .		1
780	Active disturbance rejection control of refrigeration system. , 2016, , .		0
781	Internal model based active disturbance rejection control. , 2016, , .		5
782	Essentials of the fourth-order linear active disturbance rejection control and its application in a cascade control system. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
783	Controller design for disturbance removal using active disturbance rejection control. , 2016, , .		1
784	Automatic tuning of attitude control system for fixed-wing unmanned aerial vehicles. IET Control Theory and Applications, 2016, 10, 2233-2242.	1.2	33
785	On ASMC design for robotic manipulators. , 2016, , .		0
786	Extended state observer based nonlinear adaptive robust control of hydraulic load simulator. , 2016, , .		1
787	Stabilization of one-dimensional wave equation with pointwise dissipation and external disturbance. , 2016, , .		0
788	Nonlinear Servo Motion Control Based on Unknown Input Observer. Lecture Notes in Electrical Engineering, 2016, , 541-550.	0.3	2
789	Sampled-data feedback control of Han canonical form. , 2016, , .		3
790	Three dimensional integrated guidance and control for slide to turn missile with input saturation. , 2016, , .		1
791	Bilateral output based control of a Master-Slave mechanical system: An Active Disturbance Rejection approach. , 2016, , .		1
792	Precision NN-LARC motion controller design for industrial mechatronic systems under complicated disturbances: A case study with comparative experiments. , 2016, , .		0
793	Modeling and active disturbance rejection controller design of spin missiles. , 2016, , .		0
794	A review of haptic communication technology based on bilateral teleoperation system. , 2016, , .		2
795	Modified ADRC with composite nonlinear feedback for a piezoelectric-actuator driven nano-manipulating stage. , 2016, , .		0
796	Ship heading control using LESO with wave disturbance. , 2016, , .		1
797	ESO-Based Adaptive Robust Control of Dual Motor Driving Servo System. Asian Journal of Control, 2016, 18, 2358-2365.	1.9	18
798	Active Disturbance Rejection Station-Keeping Control for Solar-Sail Libration-Point Orbits. Journal of Guidance, Control, and Dynamics, 2016, 39, 1913-1917.	1.6	20
799	Model predictive control for dynamic positioning system of ships with unknown time-varying disturbances and actuator constraint. , 2016, , .		0
800	Robust output feedback tracking control for a class of perturbed systems using NDOB and nonlinear continuous predictive control. International Journal of Control, Automation and Systems, 2016, 14, 495-504.	1.6	1

#	ARTICLE	IF	CITATIONS
801	Sensor-less active uncertainty attenuation control for DC-DC buck power converters with the presence of involved parameter variations. Transactions of the Institute of Measurement and Control, 2016, 38, 784-792.	1.1	3
802	The improvement of centralized intelligent control architecture and data collection algorithm. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	0
803	Sliding mode trajectory tracking for mars atmospheric entry based on extended state observer. , 2016, , .		2
804	ADRC Law of Spacecraft Rendezvous and Docking in Final Approach Phase. Cybernetics and Systems, 2016, 47, 236-248.	1.6	8
805	GESO based robust output tracking controller for marine vessels. Ocean Engineering, 2016, 121, 156-165.	1.9	22
806	Quantitative analysis of critical limitation in using extended state observer. International Journal of Control, Automation and Systems, 2016, 14, 876-882.	1.6	21
807	Output feedback stabilization for multi-dimensional Kirchhoff plate with general corrupted boundary observation. European Journal of Control, 2016, 28, 38-48.	1.6	8
808	Systematic approach of extracting sliding manifold in robust stabilizing of stochastic multi-input systems. Journal of the Franklin Institute, 2016, 353, 378-397.	1.9	2
809	Linear extended state observer based sliding mode disturbance decoupling control for nonlinear multivariable systems with uncertainty. International Journal of Control, Automation and Systems, 2016, 14, 967-976.	1.6	6
810	Suppression of Low-Frequency Oscillation in Traction Network of High-Speed Railway Based on Auto-Disturbance Rejection Control. IEEE Transactions on Transportation Electrification, 2016, 2, 244-255.	5.3	59
811	Tuning of sampled-data ADRC for nonlinear uncertain systems. Journal of Systems Science and Complexity, 2016, 29, 1187-1211.	1.6	20
812	Composite disturbance rejection control based on generalized extended state observer. ISA Transactions, 2016, 63, 377-386.	3.1	29
813	Enhanced predictive functional control based on equivalent input disturbance and generalized extended state observer for nonlinear systems with fast dynamics. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2016, 230, 1943-1963.	0.7	5
814	A Commander-Tracker-Executor based energy management framework for an engine waste heat recovery system. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2016, 230, 415-435.	0.8	0
815	Speed control of electrical drives using a full decoupled active disturbance rejection controller. , 2016, , .		1
816	Anti-disturbance inverse optimal control for spacecraft position and attitude maneuvers with input saturation. Advances in Mechanical Engineering, 2016, 8, 168781401664988.	0.8	13
817	Modeling and Compound Control for Unmanned Turret System With Coupling. IEEE Transactions on Industrial Electronics, 2016, 63, 5794-5803.	5.2	29
818	On Tuning and Practical Implementation of Active Disturbance Rejection Controller: A Case Study from a Regenerative Heater in a 1000 MW Power Plant. Industrial & Engineering Chemistry Research, 2016, 55, 6686-6695.	1.8	118

#	ARTICLE	IF	CITATIONS
819	Adaptive control and orbit determination for elliptical rendezvous. Acta Astronautica, 2016, 127, 587-592.	1.7	2
820	Output Regulation and Active Disturbance Rejection Control: Unified Formulation and Comparison. Asian Journal of Control, 2016, 18, 1668-1678.	1.9	13
821	Stabilization and Tracking Control of Xâ€ž Inverted Pendulum Using Flatness Based Active Disturbance Rejection Control. Asian Journal of Control, 2016, 18, 1714-1727.	1.9	8
822	Adaptive sliding mode control of ball screw drive system with extended state observer. , 2016, , .		3
823	Rigid spacecraft attitude regulation with delayed feedback and actuator faults. , 2016, , .		0
824	Development of a Rotorcraft Micro air Vehicle for Indoor Flight Research. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 423-441.	2.0	3
825	Designing fuzzy logic controller based on combination of terminal sliding mode and state feedback controllers for stabilizing chaotic behaviour in rod-type plasma torch system. Transactions of the Institute of Measurement and Control, 2016, 38, 150-164.	1.1	13
826	Distributed disturbance estimator and application to stabilization for multi-dimensional wave equation with corrupted boundary observation. Automatica, 2016, 66, 25-33.	3.0	11
827	Sliding mode control based impact angle control guidance considering the seeker's field-of-view constraint. ISA Transactions, 2016, 61, 49-59.	3.1	55
828	Practical Observer Design for Real-Time Helicopter Weight Estimation. , 2016, , .		0
829	Extended state observerâ€“based fractional order proportionalâ€“derivative controller for precision trajectory tracking control of a novel linear motor. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2016, 230, 95-103.	0.7	8
830	Disturbance-Observer-Based Control and Related Methodsâ€”An Overview. IEEE Transactions on Industrial Electronics, 2016, 63, 1083-1095.	5.2	1,951
831	A generalized active disturbance rejection control method for nonlinear uncertain systems subject to additive disturbance. Nonlinear Dynamics, 2016, 83, 2361-2372.	2.7	28
832	The active disturbance rejection control of the rotating diskâ€“beam system with boundary input disturbances. International Journal of Control, 2016, 89, 2322-2335.	1.2	18
833	System design and control for waste heat recovery of automotive engines based on Organic Rankine Cycle. Energy, 2016, 102, 276-286.	4.5	56
834	Model-free control of quad-rotor vehicle via finite-time convergent extended state observer. International Journal of Control, Automation and Systems, 2016, 14, 242-254.	1.6	35
835	On Convergence of Nonlinear Active Disturbance Rejection Control for SISO Nonlinear Systems. Journal of Dynamical and Control Systems, 2016, 22, 385-412.	0.4	74
836	Interturn Fault Diagnosis Strategy for Interior Permanent-Magnet Synchronous Motor of Electric Vehicles Based on Digital Signal Processor. IEEE Transactions on Industrial Electronics, 2016, 63, 1694-1706.	5.2	76

#	ARTICLE	IF	CITATIONS
837	Embedding Internal Model in Disturbance Observer With Robust Stability. IEEE Transactions on Automatic Control, 2016, 61, 3128-3133.	3.6	46
838	Nonlinear PI control for variable pitch wind turbine. Control Engineering Practice, 2016, 50, 84-94.	3.2	103
839	Disturbance-rejection-based tuning of proportionalâ€‘integralâ€‘derivative controllers by exploiting closed-loop plant data. ISA Transactions, 2016, 62, 312-324.	3.1	26
840	High-order sliding-mode observer based output feedback adaptive robust control of a launching platform with backstepping. International Journal of Control, 2016, 89, 2029-2039.	1.2	12
841	An analysis and design method for a class of nonlinear systems with nested saturations. International Journal of Control, 2016, 89, 1711-1724.	1.2	14
842	Application of Linear Active Disturbance Rejection Controller for Sensorless Control of Internal Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2016, 63, 3019-3027.	5.2	175
843	Lateral Path Tracking Control of Autonomous Land Vehicle Based on ADRC and Differential Flatness. IEEE Transactions on Industrial Electronics, 2016, 63, 3091-3099.	5.2	191
844	On Decoupling Control of the VGT-EGR System in Diesel Engines: A New Framework. IEEE Transactions on Control Systems Technology, 2016, 24, 1788-1796.	3.2	30
845	Input Shaping enhanced Active Disturbance Rejection Control for a twin rotor multi-input multi-output system (TRMS). ISA Transactions, 2016, 62, 287-298.	3.1	42
846	Output feedback stabilisation for a cascaded wave PDE-ODE system subject to boundary control matched disturbance. International Journal of Control, 2016, 89, 2396-2405.	1.2	39
847	An extended linear quadratic regulator and its application for control of power system dynamics. , 2016, , .		4
848	Fractional active disturbance rejection control. ISA Transactions, 2016, 62, 109-119.	3.1	77
849	Robust disturbance rejection control of a biped robotic system using high-order extended state observer. ISA Transactions, 2016, 62, 276-286.	3.1	43
850	A Practical Multivariable Control Approach Based on Inverted Decoupling and Decentralized Active Disturbance Rejection Control. Industrial & Engineering Chemistry Research, 2016, 55, 2008-2019.	1.8	88
851	Enhanced-Performance Control of an Electromagnetic Solenoid System Using a Digital Controller. IEEE Transactions on Control Systems Technology, 2016, 24, 1805-1811.	3.2	16
852	Proportional-Integral Stabilizing Control of a Class of MIMO Systems Subject to Nonparametric Uncertainties by Additive-State-Decomposition Dynamic Inversion Design. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1092-1101.	3.7	25
853	Robust output feedback control for unknown nonâ€‘linear systems with external disturbance. IET Control Theory and Applications, 2016, 10, 173-182.	1.2	24
854	Minimal Assist-as-Needed Controller for Upper Limb Robotic Rehabilitation. IEEE Transactions on Robotics, 2016, 32, 113-124.	7.3	178



#	ARTICLE	IF	CITATIONS
855	Extended State Observer based robust attitude control of spacecraft with input saturation. Aerospace Science and Technology, 2016, 50, 173-182.	2.5	78
856	On the rejection of internal and external disturbances in a wind energy conversion system with direct-driven PMSC. ISA Transactions, 2016, 61, 95-103.	3.1	57
857	Neural adaptive steering of an unmanned surface vehicle with measurement noises. Neurocomputing, 2016, 186, 228-234.	3.5	36
858	Extended State Observer based control for coaxial-rotor UAV. ISA Transactions, 2016, 61, 1-14.	3.1	68
859	Stabilization of a class of nonlinear systems with actuator saturation via active disturbance rejection control. Automatica, 2016, 63, 302-310.	3.0	142
860	Practical Active Disturbance Rejection Control: Bumpless Transfer, Rate Limitation, and Incremental Algorithm. IEEE Transactions on Industrial Electronics, 2016, 63, 1754-1762.	5.2	87
861	Torque-Overlay-Based Robust Steering Wheel Angle Control of Electrical Power Steering for a Lane-Keeping System of Automated Vehicles. IEEE Transactions on Vehicular Technology, 2016, 65, 4379-4392.	3.9	66
862	Active Disturbance Rejection Control Approach to Output-Feedback Stabilization of a Class of Uncertain Nonlinear Systems Subject to Stochastic Disturbance. IEEE Transactions on Automatic Control, 2016, 61, 1613-1618.	3.6	118
863	Distributed-Torque-Based Independent Joint Tracking Control of a Redundantly Actuated Parallel Robot With Two Higher Kinematic Pairs. IEEE Transactions on Industrial Electronics, 2016, 63, 1062-1070.	5.2	29
864	Robust tracking control for wheeled mobile robot based on extended state observer. Advanced Robotics, 2016, 30, 68-78.	1.1	35
865	Anti-disturbance autopilot design for missile system via finite time integral sliding mode control method and nonlinear disturbance observer technique. Transactions of the Institute of Measurement and Control, 2016, 38, 693-700.	1.1	16
866	Weight-Transducerless Rollback Mitigation Adopting Enhanced MPC With Extended State Observer for Direct-Drive Elevators. IEEE Transactions on Power Electronics, 2016, 31, 4440-4451.	5.4	34
867	Diving control of Autonomous Underwater Vehicle based on improved active disturbance rejection control approach. Neurocomputing, 2016, 173, 1377-1385.	3.5	55
868	Design and Implementation of Clutch Control for Automotive Transmissions Using Terminal-Sliding-Mode Control and Uncertainty Observer. IEEE Transactions on Vehicular Technology, 2016, 65, 1890-1898.	3.9	66
869	Disturbance observer-based sliding mode backstepping control for a re-entry vehicle with input constraint and external disturbance. Transactions of the Institute of Measurement and Control, 2016, 38, 165-181.	1.1	22
870	RISE-Based Adaptive Control of Hydraulic Systems With Asymptotic Tracking. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1524-1531.	3.4	144
871	Novel nonsingular fast terminal sliding mode control for a PMSM chaotic system with extended state observer and tracking differentiator. JVC/Journal of Vibration and Control, 2017, 23, 2478-2493.	1.5	15
872	An adaptive neural network approach to the tracking control of micro aerial vehicles in constrained space. International Journal of Systems Science, 2017, 48, 84-94.	3.7	19

#	ARTICLE	IF	CITATIONS
873	Continuous terminal sliding mode control with extended state observer for PMSM speed regulation system. Transactions of the Institute of Measurement and Control, 2017, 39, 1195-1204.	1.1	45
874	The fractional order PI control for an energy saving electro-hydraulic system. Transactions of the Institute of Measurement and Control, 2017, 39, 505-519.	1.1	11
875	Predictor-based adaptive dynamic surface control for consensus of uncertain nonlinear systems in strict-feedback form. International Journal of Adaptive Control and Signal Processing, 2017, 31, 68-82.	2.3	29
876	Robust adaptive backstepping control for piezoelectric nano-manipulating systems. Mechanical Systems and Signal Processing, 2017, 83, 130-148.	4.4	47
877	High precise tracking control for a chain of integrator systems with modelling uncertainties. Transactions of the Institute of Measurement and Control, 2017, 39, 1710-1720.	1.1	4
878	Perturbation observer based adaptive passive control for damping improvement of multi-terminal voltage source converter-based high voltage direct current systems. Transactions of the Institute of Measurement and Control, 2017, 39, 1409-1420.	1.1	19
879	On the Robust Stability of Active Disturbance Rejection Control for SISO Systems. Circuits, Systems, and Signal Processing, 2017, 36, 65-81.	1.2	30
880	Robust dynamic surface sliding mode control for attitude tracking of flexible spacecraft with an extended state observer. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 533-547.	0.7	17
881	Boundary stabilization of a cascade of ODE-wave systems subject to boundary control matched disturbance. International Journal of Robust and Nonlinear Control, 2017, 27, 252-280.	2.1	47
882	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives: A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285.	5.2	453
883	Flux Immunity Robust Predictive Current Control With Incremental Model and Extended State Observer for PMSM Drive. IEEE Transactions on Power Electronics, 2017, 32, 9267-9279.	5.4	176
884	Disturbance rejection control of a fuel cell power plant in a grid-connected system. Control Engineering Practice, 2017, 60, 183-192.	3.2	59
885	Active disturbance rejection control based human gait tracking for lower extremity rehabilitation exoskeleton. ISA Transactions, 2017, 67, 389-397.	3.1	95
886	Reduced-order model based active disturbance rejection control of hydraulic servo system with singular value perturbation theory. ISA Transactions, 2017, 67, 455-465.	3.1	48
887	Active disturbance rejection and Lyapunov redesign approaches for robust boundary control of plate vibration. International Journal of Systems Science, 2017, 48, 1656-1670.	3.7	17
888	Research on shipborne transfer alignment under the influence of the uncertain disturbance based on the extended state observer. Optik, 2017, 130, 777-785.	1.4	6
889	Spatial curvilinear path following control of underactuated AUV with multiple uncertainties. ISA Transactions, 2017, 67, 107-130.	3.1	91
890	Development of the USV "JingHai"™ and sea trials in the Southern Yellow Sea. Ocean Engineering, 2017, 131, 186-196.	1.9	60

#	ARTICLE	IF	CITATIONS
891	An Online Tuning Method for Robust Control of Multivariable Nonlinear Processes With Nonanalytical Modules and Time Delay. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	0
892	Adaptive integral robust control and application to electromechanical servo systems. ISA Transactions, 2017, 67, 256-265.	3.1	50
893	Augmented nonlinear differentiator design. Mechanical Systems and Signal Processing, 2017, 90, 268-284.	4.4	18
894	Adaptive backstepping control for fractional order systems with input saturation. Journal of the Franklin Institute, 2017, 354, 2245-2268.	1.9	95
895	Survey of Station-Keeping Techniques for Libration Point Orbits. Journal of Guidance, Control, and Dynamics, 2017, 40, 1085-1105.	1.6	54
896	Constrained Robust Control for Spacecraft Attitude Stabilization Under Actuator Delays and Faults. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	0
897	Longitudinal Controller for Hand Launched MAV Based on Supertwisting Algorithm. , 2017, , .		0
898	Adaptive robust control for four-motor driving servo system with uncertain nonlinearities. Control Theory and Technology, 2017, 15, 45-57.	1.0	7
899	Current Control of Grid-Connected Inverter With LCL Filter Based on Extended-State Observer Estimations Using Single Sensor and Achieving Improved Robust Observation Dynamics. IEEE Transactions on Industrial Electronics, 2017, 64, 5428-5439.	5.2	81
900	Cascaded control for balancing an inverted pendulum on a flying quadrotor. Robotica, 2017, 35, 1263-1279.	1.3	17
901	Superconducting Cavity Control and Model Identification Based on Active Disturbance Rejection Control. IEEE Transactions on Nuclear Science, 2017, 64, 951-958.	1.2	12
902	Sampled-data active disturbance rejection output feedback control for systems with mismatched uncertainties. Advances in Mechanical Engineering, 2017, 9, 168781401668269.	0.8	2
903	Predictive current control of permanent magnet synchronous motor based on linear active disturbance rejection control. Proceedings of SPIE, 2017, , .	0.8	0
904	On Active Decoupling Control for Horizontal-Lateral Direction of Hypersonic Flight Based on HIFOO. , 2017, , .		0
905	Design and Implementation of Disturbance Compensation-Based Enhanced Robust Finite Control Set Predictive Torque Control for Induction Motor Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 2645-2656.	7.2	98
906	Weightâ€transducerless control strategy based on active disturbance rejection theory for gearless elevator drives. IET Electric Power Applications, 2017, 11, 289-299.	1.1	16
907	Precise Control for Gimbal System of Double Gimbal Control Moment Gyro Based on Cascade Extended State Observer. IEEE Transactions on Industrial Electronics, 2017, 64, 4653-4661.	5.2	59
908	Design of an Optimal PID Controller for a Coupled Tanks System employing ADRC. IEEE Latin America Transactions, 2017, 15, 189-196.	1.2	25

#	ARTICLE	IF	CITATIONS
909	Finite-Time Disturbance Observer Design and Attitude Tracking Control of a Rigid Spacecraft. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	24
910	Adaptive tracking control of a quadrotor unmanned vehicle. International Journal of Precision Engineering and Manufacturing, 2017, 18, 163-173.	1.1	22
911	Distributed control of multi-time scale DC microgrid based on ADRC. IET Power Electronics, 2017, 10, 329-337.	1.5	18
912	Robust Active Disturbance Rejection Control of Induction Motor Systems Based on Additional Sliding-Mode Component. IEEE Transactions on Industrial Electronics, 2017, 64, 5608-5621.	5.2	95
913	Optimized linear active disturbance rejection control for pneumatic servo systems via least squares support vector machine. Neurocomputing, 2017, 242, 178-186.	3.5	24
914	A singular adaptive attitude control with active disturbance rejection. European Journal of Control, 2017, 35, 50-56.	1.6	18
915	Modeling and Control of a Powered Parafoil in Wind and Rain Environments. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1642-1659.	2.6	18
916	Autonomous Landing Control of Fixed-wing UAVs: from Theory to Field Experiment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 619-634.	2.0	24
917	Multicontroller Positioning Strategy for a Pneumatic Servo System Via Pressure Feedback. IEEE Transactions on Industrial Electronics, 2017, 64, 4800-4809.	5.2	35
918	Decentralized Control of Harmonic Drive Based Modular Robot Manipulator using only Position Measurements: Theory and Experimental Verification. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 3-18.	2.0	25
919	Design of generalized extended state observer based control for nonlinear systems with matched and mismatched uncertainties. , 2017, , .		6
920	Active Disturbance Rejection in Affine Nonlinear Systems Based on Equivalent Input Disturbance Approach. Asian Journal of Control, 2017, 19, 1767-1776.	1.9	18
921	Semi-Global Exquisite Disturbance Attenuation Control for Perturbed Uncertain Nonlinear Systems. Asian Journal of Control, 2017, 19, 1608-1619.	1.9	7
922	Attitude control of rigid body with inertia uncertainty and saturation input. Tsinghua Science and Technology, 2017, 22, 83-91.	4.1	7
923	Extended state observer-based motion synchronisation control for hybrid actuation system of large civil aircraft. International Journal of Systems Science, 2017, 48, 2212-2222.	3.7	19
924	Output-based disturbance rejection control for 1-D anti-stable Schrödinger equation with boundary input matched unknown disturbance. International Journal of Robust and Nonlinear Control, 2017, 27, 4686-4705.	2.1	21
925	A Robust Flywheel Energy Storage System Discharge Strategy for Wide Speed Range Operation. IEEE Transactions on Industrial Electronics, 2017, 64, 7862-7873.	5.2	40
926	A nonlinear extended state observer based on fractional power functions. Automatica, 2017, 81, 286-296.	3.0	135

#	ARTICLE	IF	CITATIONS
927	Extended state observer-based finite-time controller design for coupled spacecraft formation with actuator saturation. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769641.	0.8	22
928	Active Disturbance Rejection Adaptive Control of Hydraulic Servo Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 8023-8032.	5.2	290
929	Adaptive anti-disturbance tracking control for nonlinear system with unknown control coefficient. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769071.	0.8	2
930	Active disturbance rejection attitude control for a hypersonic reentry vehicle with actuator saturation. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141770356.	1.3	3
931	A state-compensation extended state observer for model predictive control. <i>European Journal of Control</i> , 2017, 36, 1-9.	1.6	17
932	Nonlinear Robust Prediction Control of Hybrid Active/Passive Heave Compensator With Extended Disturbance Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 6684-6694.	5.2	53
933	Combined of Lyapunov-stable and active disturbance rejection control for the path following of a small unmanned aerial vehicle. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141769915.	1.3	7
934	Robust absolute stability analysis for interval nonlinear active disturbance rejection based control system. <i>ISA Transactions</i> , 2017, 69, 122-130.	3.1	26
935	A circle disturbance observer based on spatial periodicity for circle systems. , 2017, , .		0
936	Active disturbance rejection adaptive control of uncertain nonlinear systems: theory and application. <i>Nonlinear Dynamics</i> , 2017, 89, 1611-1624.	2.7	131
937	Active Disturbance Rejection Control of Linear Induction Motor. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 4460-4471.	3.3	63
938	Stabilization for the multi-dimensional heat equation with disturbance on the controller. <i>Automatica</i> , 2017, 82, 319-323.	3.0	2
939	Back-stepping based anti-disturbance flight controller with preview methodology for autonomous aerial refueling. <i>Aerospace Science and Technology</i> , 2017, 61, 95-108.	2.5	75
940	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.	2.1	15
941	ESO-Based Inertia Emulation and Rotor Speed Recovery Control for DFIGs. <i>IEEE Transactions on Energy Conversion</i> , 2017, 32, 1209-1219.	3.7	29
942	Observer-Based Fault-Tolerant Attitude Control for Rigid Spacecraft. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2017, 53, 2572-2582.	2.6	122
943	High-Gain Observers in Feedback Control: Application to Permanent Magnet Synchronous Motors. <i>IEEE Control Systems</i> , 2017, 37, 25-41.	1.0	70
944	A robust controller for trajectory tracking of a DC motor pendulum system. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1632-1640.	1.6	7

#	ARTICLE	IF	CITATIONS
945	The stability of Schrödinger equation with boundary control matched disturbance. Journal of Systems Science and Complexity, 2017, 30, 1258-1269.	1.6	1
946	Servo system design for speed control of AC induction motors using polynomial differential operator. International Journal of Control, Automation and Systems, 2017, 15, 1207-1216.	1.6	10
947	Experimental evaluation of control performance of MPC as a regulatory controller. ISA Transactions, 2017, 70, 512-520.	3.1	15
948	ADRC system of FSM for image motion compensation. , 2017, , .		1
949	ADRC control of a 6-DOF parallel manipulator for telescope secondary mirror. Journal of Instrumentation, 2017, 12, T03006-T03006.	0.5	12
950	Dynamic surface tracking controller design for a constrained hypersonic vehicle based on disturbance observer. International Journal of Advanced Robotic Systems, 2017, 14, 172988141770377.	1.3	3
951	Composite backstepping control with finite-time convergence. Optik, 2017, 142, 260-272.	1.4	16
952	Methodology to assess quality of estimated disturbances in active disturbance rejection control structure for mechanical system. ISA Transactions, 2017, 70, 238-247.	3.1	14
953	Active disturbance rejection control: Old and new results. Annual Reviews in Control, 2017, 44, 238-248.	4.4	103
954	Adaptive backstepping sliding mode control based on nonlinear disturbance observer for trajectory tracking of robotic manipulator. , 2017, , .		12
955	Active disturbance attenuation control for permanent magnet synchronous motor via feedback domination and disturbance observer. IET Control Theory and Applications, 2017, 11, 807-815.	1.2	17
956	Unknown input observer design and output feedback stabilization for multi-dimensional wave equation with boundary control matched uncertainty. Journal of Differential Equations, 2017, 263, 2213-2246.	1.1	29
957	Neural Network Learning Adaptive Robust Control of an Industrial Linear Motor-Driven Stage With Disturbance Rejection Ability. IEEE Transactions on Industrial Informatics, 2017, 13, 2172-2183.	7.2	126
958	Active Disturbance Rejection Control of Surface Vessels Using Composite Error Updated Extended State Observer. Asian Journal of Control, 2017, 19, 1802-1811.	1.9	29
959	Algebraic estimation and active disturbance rejection in the control of flat systems. Control Engineering Practice, 2017, 61, 173-182.	3.2	20
960	Add-On Module of Active Disturbance Rejection for Set-Point Tracking of Motion Control Systems. IEEE Transactions on Industry Applications, 2017, 53, 4028-4040.	3.3	87
961	Networked Predictive Control for Nonlinear Systems With Arbitrary Region Quantizers. IEEE Transactions on Cybernetics, 2017, 47, 2244-2255.	6.2	23
962	Design of Fuzzy and Linear Active Disturbance Rejection Control for Insulin Infusion in Type 1 Diabetic Patients. International Journal of Fuzzy Systems, 2017, 19, 1966-1977.	2.3	7

#	ARTICLE	IF	CITATIONS
963	Output Predictor-Based Active Disturbance Rejection Control for a Wind Energy Conversion System With PMSG. IEEE Access, 2017, 5, 5205-5214.	2.6	83
964	Approximate finite-time control for a class of uncertain nonlinear systems with dynamic compensation. International Journal of Robust and Nonlinear Control, 2017, 27, 4296-4311.	2.1	2
965	Asymptotic Reference Tracking and Disturbance Rejection of UDE-Based Robust Control. IEEE Transactions on Industrial Electronics, 2017, 64, 3166-3176.	5.2	126
966	Disturbance rejection in DOC-out temperature control for DPF regeneration. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 487-499.	1.1	5
967	Disturbance observer-based fuzzy control for flexible spacecraft combined attitude & sun tracking system. Acta Astronautica, 2017, 133, 302-310.	1.7	33
968	ESO-Based Line-of-Sight Guidance Law for Path Following of Underactuated Marine Surface Vehicles With Exact Sideslip Compensation. IEEE Journal of Oceanic Engineering, 2017, 42, 477-487.	2.1	233
969	Augmented nonlinear differentiator design and application to nonlinear uncertain systems. ISA Transactions, 2017, 67, 30-46.	3.1	16
970	A generalized exact tracking control methodology for disturbed nonlinear systems via homogeneous domination approach. International Journal of Robust and Nonlinear Control, 2017, 27, 3079-3096.	2.1	5
971	Output tracking for a class of nonlinear systems with mismatched uncertainties by active disturbance rejection control. Systems and Control Letters, 2017, 100, 21-31.	1.3	75
972	Active Disturbance Rejection Control for Uncertain Nonaffine-in-Control Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 5830-5836.	3.6	87
973	Robust constrained autopilot control for a generic missile in the presence of state and input constraints. Optik, 2017, 149, 49-58.	1.4	2
974	Multi-objective optimization for advanced superheater steam temperature control in a 300 MW power plant. Applied Energy, 2017, 208, 592-606.	5.1	91
975	Actuator Fault and Disturbance Estimation using the T-S fuzzy model. IFAC-PapersOnLine, 2017, 50, 15722-15727.	0.5	5
976	Disturbance observer control for AC speed servo with improved noise attenuation. IFAC-PapersOnLine, 2017, 50, 4300-4305.	0.5	3
977	Power-Imbalance Allocation Control for Secondary Frequency Control of Power Systems. IFAC-PapersOnLine, 2017, 50, 4382-4387.	0.5	4
978	Event-Triggered Active Disturbance Rejection Control of DC Torque Motors. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2277-2287.	3.7	69
979	Fault tolerant control for a class of nonlinear system based on active disturbance rejection control and rbf neural networks. , 2017, , .		3
980	Tuning of Active Disturbance Rejection Attitude Controller for Statically Unstable Launch Vehicle. Journal of Spacecraft and Rockets, 2017, 54, 1383-1389.	1.3	19

#	ARTICLE	IF	CITATIONS
981	Robust position control design for a cylinder in mobile hydraulics applications. Control Engineering Practice, 2017, 69, 36-49.	3.2	14
982	Control of unstable processes with time delays via ADRC. ISA Transactions, 2017, 71, 530-541.	3.1	37
983	Nonlinear FOPID and Active Disturbance Rejection Hypersonic Vehicle Control Based on DEM Biogeography-Based Optimization. Journal of Aerospace Engineering, 2017, 30, .	0.8	10
984	Global robust regulation control for a class of cascade nonlinear systems subject to external disturbance. Nonlinear Dynamics, 2017, 90, 1209-1222.	2.7	13
985	Active disturbance rejection control for small unmanned helicopters via Levy flight-based pigeon-inspired optimization. Aircraft Engineering and Aerospace Technology, 2017, 89, 946-952.	0.7	20
986	MPPT control method of PV system based on active disturbance rejection control. , 2017, , .		2
987	Neural network-based adaptive composite dynamic surface control for electro-hydraulic system with very low velocity. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2017, 231, 867-880.	0.7	7
988	Distributed cooperative anti-disturbance control of multi-agent systems: an overview. Science China Information Sciences, 2017, 60, 1.	2.7	74
989	New unknown input observer and output feedback stabilization for uncertain heat equation. Automatica, 2017, 86, 1-10.	3.0	43
990	DC voltage control strategy based on active disturbance rejection control for active power filter. , 2017, , .		1
991	On the Model-Free Compensation of Coulomb Friction in the Absence of the Velocity Measurement. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	5
992	Adaptive simultaneous motion and vibration control for a multi flexible-link mechanism with uncertain general harmonic disturbance. Journal of Sound and Vibration, 2017, 408, 60-72.	2.1	11
993	Active disturbance rejection power control for a floating wind turbine. , 2017, , .		2
994	On the performance of improved extended state observer based control for uncertain systems with measurement noises. , 2017, , .		1
995	Active anti-disturbance control of a quadrotor unmanned aerial vehicle using the command-filtering backstepping approach. Nonlinear Dynamics, 2017, 90, 581-597.	2.7	58
996	Direct energy balance based active disturbance rejection control for coal-fired power plant. ISA Transactions, 2017, 70, 486-493.	3.1	62
997	Sliding mode control of electro-hydrostatic actuator based on extended state observer. , 2017, , .		3
998	A generalized extended state observer for supercapacitor state of charge estimation under disturbances. , 2017, , .		6



#	ARTICLE	IF	CITATIONS
999	On comparison between Smith Predictor and Predictor Observer based ADRCs for nonlinear uncertain systems with output delay. , 2017, , .		6
1000	Anti-disturbance fault-tolerant attitude control for satellites subject to multiple disturbances and actuator saturation. Nonlinear Dynamics, 2017, 89, 2657-2667.	2.7	31
1001	Data-driven sliding mode control of unknown MIMO nonlinear discrete-time systems with moving PID sliding surface. Journal of the Franklin Institute, 2017, 354, 6463-6502.	1.9	27
1002	Tuning of an iP controller for a time-delayed plant by a performance portrait method. , 2017, , .		4
1003	A practical iterative PID tuning method for mechanical systems using parameter chart. International Journal of Systems Science, 2017, 48, 2887-2900.	3.7	4
1004	Multiple spacecraft formation flying control around Sun-Earth L&inf&gt;2&lt;/inf&gt; libration point. , 2017, , .		1
1005	Sliding mode control for continuous casting mold oscillatory system driven by servo motor. International Journal of Control, Automation and Systems, 2017, 15, 1669-1674.	1.6	11
1006	Output feedback control based on extended state observer for nonholonomic systems. , 2017, , .		2
1007	Adaptive quaternion tracking with nonlinear extended state observer. Acta Astronautica, 2017, 139, 494-501.	1.7	13
1008	Tracking control of WMRs on loose soil based on mixed $H_2 / H_\infty$ control with longitudinal slip ratio estimation. Acta Astronautica, 2017, 140, 49-58.	1.7	9
1009	Visual landing system of UAV based on ADRC. , 2017, , .		3
1010	Sliding mode control for a class of second-order nonlinear systems with unmatched disturbances. , 2017, , .		0
1011	Modified reduced order observer based linear active disturbance rejection control for TITO systems. ISA Transactions, 2017, 71, 480-494.	3.1	29
1012	Comparative study of linear and nonlinear ADRC for an inverted pendulum. , 2017, , .		4
1013	Pitch Angle Active Disturbance Rejection Control with Model Compensation for Underwater Glider. Lecture Notes in Computer Science, 2017, , 745-756.	1.0	3
1014	Disturbance Estimation of a Wave PDE on a Time-varying Domain. , 2017, , 107-111.		1
1015	Precise robust adaptive dynamic surface control of permanent magnet synchronous motor based on extended state observer. IET Science, Measurement and Technology, 2017, 11, 590-599.	0.9	25
1016	On Performance Analysis of General Observers for Uncertain Systems. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
1017	Load Frequency Control of Power Systems with Governor Deadband (GDB) Non-linearity. Electric Power Components and Systems, 2017, 45, 1305-1314.	1.0	8
1018	Active disturbance rejection control of LCL filtered grid-connected inverter using padÃ© approximation. , 2017, , .		0
1019	Dynamic Modeling and Trajectory Tracking Control of Parafoil System in Wind Environments. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2736-2745.	3.7	38
1020	Practical verification of active disturbance rejection controller for the pneumatic setup. , 2017, , .		3
1021	Automatic carrier landing system based on active disturbance rejection control with a novel parameters optimizer. Aerospace Science and Technology, 2017, 69, 149-160.	2.5	81
1022	Linear-quadratic output regulator with disturbance rejection: Application to vehicle launch control. , 2017, , .		4
1023	Control of Asteroid-Hovering Spacecraft with Disturbance Rejection Using Position-Only Measurements. Journal of Guidance, Control, and Dynamics, 2017, 40, 2401-2416.	1.6	35
1024	Pitching axis control for a satellite camera based on a novel active disturbance rejection controller. Advances in Mechanical Engineering, 2017, 9, 168781401668903.	0.8	3
1025	Robustification of the modular tracking control system for non-Standard N-Trailers of uncertain kinematics. Control Engineering Practice, 2017, 64, 160-172.	3.2	7
1026	Disturbance rejection of real power flow by grid-tied inverter. , 2017, , .		2
1027	Low-complexity differentiator-based decentralized fault-tolerant control of uncertain large-scale nonlinear systems with unknown dead zone. Nonlinear Dynamics, 2017, 89, 2573-2592.	2.7	39
1028	Adaptive Backstepping Attitude Control with Disturbance Rejection Subject to Amplitude and Rate Saturations of the Elevator. Journal of Aerospace Engineering, 2017, 30, .	0.8	3
1029	A Bio-Inspired Robot With Undulatory Fins and Its Control Methods. IEEE/ASME Transactions on Mechatronics, 2017, 22, 206-216.	3.7	52
1030	Universal active disturbance rejection control for nonâ€linear systems with multiple disturbances via a highâ€order sliding mode observer. IET Control Theory and Applications, 2017, 11, 1194-1204.	1.2	24
1031	Extended State Observer-Based Sliding Mode Control for Multi-input Multi-output System with Multiple Disturbances. Journal of Control, Automation and Electrical Systems, 2017, 28, 11-25.	1.2	9
1032	Extended-State-Observer-Based Funnel Control for Nonlinear Servomechanisms With Prescribed Tracking Performance. IEEE Transactions on Automation Science and Engineering, 2017, 14, 98-108.	3.4	144
1033	Semi-global sampled-data output feedback disturbance rejection control for a class of uncertain nonlinear systems. International Journal of Systems Science, 2017, 48, 757-768.	3.7	11
1034	Altitude and attitude active disturbance rejection controller design of a quadrotor unmanned aerial vehicle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1732-1745.	0.7	29

#	ARTICLE	IF	CITATIONS
1035	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.	1.2	21
1036	Feedback Linearization and Extended State Observer-Based Control for Rotor-AMBs System With Mismatched Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1313-1322.	5.2	68
1037	Speed recovery strategy for the inertia response control of DFIGs: extended state observer based approach. <i>IET Renewable Power Generation</i> , 2017, 11, 1110-1120.	1.7	6
1038	Model Free ESO-Based Repetitive Control for Rejecting Periodic and Aperiodic Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 3433-3441.	5.2	47
1039	Anti-disturbance control for nonlinear system via adaptive disturbance observer. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2121-2144.	2.1	41
1040	Predictor-Based Control of a Class of Time-Delay Systems and Its Application to Quadrotors. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 459-469.	5.2	110
1041	Sigmoid function based integral-derivative observer and application to autopilot design. <i>Mechanical Systems and Signal Processing</i> , 2017, 84, 113-127.	4.4	12
1042	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.	1.2	71
1043	Low-Speed Control for Permanent-Magnet DC Torque Motor Using Observer-Based Nonlinear Triple-Step Controller. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 3286-3296.	5.2	42
1044	Extended State Observer-Based Sliding-Mode Control for Three-Phase Power Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 22-31.	5.2	426
1045	Motion control of humanoid robots using sliding mode observer-based active disturbance rejection control. , 2017, , .		3
1046	Inventory trajectory tracking via an on-line demand-rate-estimation/demand-rate-satisfaction strategy for the production rule. , 2017, , .		0
1047	Robust ADRC for nonlinear time-varying system with uncertainties. , 2017, , .		5
1048	Extended state observer/proportion integration differentiation compound control based on dynamic modelling for an aerial inertially stabilized platform. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141774435.	1.3	8
1049	Active disturbance rejection generalized predictive control and its application on large time-delay systems. , 2017, , .		3
1050	Self-Stabilization of a riderless bicycle with a control moment gyroscope via model-based active disturbance rejection control. , 2017, , .		9
1051	PD-type H $\infty$ consensus control for discrete-time stochastic multi-agent systems. , 2017, , .		1
1052	Improved active disturbance rejection control strategy for space-vector-modulated matrix converter. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
1053	Active torque control for gear dynamic load suppression in a drum shearer cutting transmission system under impact loads. JVC/Journal of Vibration and Control, 0, , 107754631774312.	1.5	3
1054	Load frequency control of power systems with non-linearities. IET Generation, Transmission and Distribution, 2017, 11, 4307-4313.	1.4	49
1055	Active disturbance rejection control for electrical cylinder. , 2017, , .		1
1056	A review on ADRC based PMSM control designs. , 2017, , .		55
1057	Nested saturation control based on the extended state observer: Twin rotor MIMO system. , 2017, , .		1
1058	An anti-disturbance ADRC based MPPT for variable speed micro-hydropower plant. , 2017, , .		10
1059	Disturbance observer and rejection for boiler drum system. , 2017, , .		0
1060	A servo-drive with an integral disturbance observer filter. Part 1: Speed control. , 2017, , .		1
1061	Changes to the automation architecture: Impact of technology on control systems algorithms. , 2017, , .		4
1062	Anti-Windup compensation of linear active disturbance rejection control for near space vehicle autopilot. , 2017, , .		2
1063	Adaptive Bipartite Tracking Control of Nonlinear Multi-Agent Systems with Unknown Hysteresis * *This work was supported by the National Natural Science Foundation of China under grants 61433011 and 61304166, and the Research Fund for the Doctoral Program of Higher Education under grant 20130184120013.. IFAC-PapersOnLine, 2017, 50, 5516-5521.	0.5	2
1064	Enhanced Active Disturbance Rejection Control for Time-Delay Systems. IFAC-PapersOnLine, 2017, 50, 7541-7546.	0.5	9
1065	Output Feedback Stabilization for Multi-Dimensional Wave Equation with Boundary Control Matched Disturbance * *This work was supported by the National Natural Science Foundation of China, the National Research Foundation of South Africa, and the Israel Science Foundation (grant no. 800/14).. IFAC-PapersOnLine, 2017, 50, 6793-6798.	0.5	0
1066	Robust Design of the Uncertainty and Disturbance Estimator. IFAC-PapersOnLine, 2017, 50, 8262-8267.	0.5	7
1067	Sliding mode tracking controller for a non-linear single link-DC motor system: An input output approach. IFAC-PapersOnLine, 2017, 50, 11619-11624.	0.5	2
1068	On the Capability of PID Control for Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2017, 50, 1521-1526.	0.5	23
1069	Consensus for linear agents with unknown parameters. IFAC-PapersOnLine, 2017, 50, 2505-2510.	0.5	1
1070	High Performance DC Servo System Design Based on Scheduled Disturbance Observer * *The authors gratefully acknowledge the financial support of the National Science Foundation of China (NSFC) under grants 61533012 and 61521063.. IFAC-PapersOnLine, 2017, 50, 4306-4311.	0.5	0

#	ARTICLE	IF	CITATIONS
1071	Attitude control for multi-rotor aircraft with output constraints. , 2017, , .		0
1072	A modified nonlinear dynamic inversion method for attitude control of UAVs under persistent disturbances. , 2017, , .		7
1073	Robust output feedback finite-time regulator of systems with mismatched uncertainties bounded by positive functions. IET Control Theory and Applications, 2017, 11, 3107-3114.	1.2	14
1074	Robust adaptive control for hypersonic gliding vehicles based on NESO. , 2017, , .		3
1075	Practical MPC solution to attitude control independent of angular velocity measurements. , 2017, , .		0
1076	UAV path following based on BLADRC and inverse dynamic guidance approach. , 2017, , .		5
1077	Prescribed performance motion control of nonlinear servo mechanisms with extended state observer. , 2017, , .		1
1078	Optimal selection of PI parameters of FOC for PMSM using structured H <sub>∞</sub> -synthesis. , 2017, , .		3
1079	Control strategy for the transition flight of a tail-sitter UAV. , 2017, , .		3
1080	A DC-link voltage fast control strategy for high-speed PMSM/G in flywheel energy storage system. , 2017, , .		2
1081	Dynamic velocity tracking control of differential-drive mobile robot based on LADRC. , 2017, , .		4
1082	A new nonlinear tracking differentiator and its application in edge detection. , 2017, , .		1
1083	Simulation of disturbance rejection control of half-car active suspension system using active disturbance rejection control with decoupling transformation. Journal of Physics: Conference Series, 2017, 949, 012025.	0.3	12
1084	Overlapping control on second-order system of lacking damper. , 2017, , .		2
1085	USV trajectory tracking control system based on ADRC. , 2017, , .		8
1086	A fast alignment method for SINS based on ADRC. , 2017, , .		0
1087	Disturbance rejection control for single-rod electro-hydraulic servo system based on dual-extended-state-observer. , 2017, , .		2
1088	Modeling and active disturbance rejection control of a single effect LiBr-H <sub>2</sub> O absorption chiller. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
1089	Height control method of multi " Rotor vehicle based on auto-Disturbance-rejection control. , 2017, , .		1
1090	New advances in stability, estimation and control of networked systems with time delay. , 2017, , .		0
1091	One-DOF link manipulator control through active disturbance rejection approach. , 2017, , .		2
1092	On stability of sampled-data extended state observer for networked systems. , 2017, , .		0
1093	The Attitude Control of Transmission Line Fault Inspection UAV Based on ADRC. , 2017, , .		3
1094	Sliding mode based ADRC for curved path following of unmanned surface vessels. , 2017, , .		3
1095	Cooperative multiple nonholonomic robots control for moving-target circular formation using backstepping design and tracking differentiator. , 2017, , .		3
1096	Finite-time decoupling direct control for hypersonic reentry vehicle with multiple disturbances via second-order ADRC. , 2017, , .		0
1097	Speed tracking control of unicycle type mobile robot based on LADRC. , 2017, , .		3
1098	Linear motor tracking control based on adaptive robust control and extended state observer. , 2017, , .		2
1099	LMI Decoupling Compensation Based Active Disturbance Rejection Controller Design for Turbofan Engine. , 2017, , .		1
1100	A PMSM speed servo system based on internal model control with extended state observer. , 2017, , .		16
1101	Hybrid control concept for highly dynamic buck converter systems. , 2017, , .		3
1102	The disturbance rejection design based on physical feedforward for solid oxide fuel cell. , 2017, , .		3
1103	A study of determining an adaptive control input without using a parallel feedforward compensator. , 2017, , .		1
1104	Path following for a biomimetic underwater vehicle based on ADRC. , 2017, , .		15
1105	Some practical issues in the smith predictor design for FOTD systems. , 2017, , .		9
1106	Unbiased linear active disturbance rejection control on angle of attack tracking. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
1107	Self-balancing vehicle using Kalman Filter. , 2017, , .		2
1108	Anti-windup schemes for load frequency control of power systems with governor deadband. , 2017, , .		2
1109	A fast alignment method for SINS with large misalignment angles based on ADRC. , 2017, , .		2
1110	Second order sliding mode control of active suspension system with supertwisting algorithm and disturbance observer. , 2017, , .		2
1111	A Six-DOF Buoyancy Tank Microgravity Test Bed with Active Drag Compensation. Microgravity Science and Technology, 2017, 29, 391-402.	0.7	15
1112	Feed-forward disturbance compensation model predictive control for rudder roll stabilization. , 2017, , .		2
1113	Position/force control of a holonomic-constrained mobile manipulator based on active disturbance rejection control. , 2017, , .		0
1114	Research on active disturbance rejection controller integrated in TSVG. , 2017, , .		0
1115	Interactive ADRC design for flight attitude control. , 2017, , .		4
1116	Reheated steam temperature control in thermal power plant using integral-linear active disturbance rejection control. , 2017, , .		1
1117	Output feedback exponential stabilization of a nonlinear 1-D wave equation with boundary input * *This work was partially supported by grant no. 800/14 of the Israel Science Foundation. IFAC-PapersOnLine, 2017, 50, 5586-5591.	0.5	4
1118	Model of ADRC speed control system for complex mechanical object with backlash. , 2017, , .		4
1119	Finite-time attitude tracking control design for reusable launch vehicle in reentry phase based on disturbance observer. Advances in Mechanical Engineering, 2017, 9, 168781401774407.	0.8	2
1120	A new extended state observer for output tracking of nonlinear MIMO systems. , 2017, , .		7
1121	An optimally tuned modified active disturbance rejection controller for power system load frequency control. , 2017, , .		0
1122	Second-order sliding mode control of power converters using different disturbance observers for DC-link voltage regulation. , 2017, , .		8
1123	Robust and accurate state-of-charge estimation for lithium-ion batteries using generalized extended state observer. , 2017, , .		6
1124	A robust resonance damping of LCL-filter based grid-connected converter with linear active disturbance rejection control. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
1125	Decentralized robust output-feedback control of uncertain nonlinear interconnected systems with disturbances. , 2017, , .		1
1126	Perfect model-following system using active disturbance rejection control. , 2017, , .		0
1127	Merging Flatness, GPI Observation, and GPI Control with ADRC. , 2017, , 51-107.		0
1128	ESO-based Adaptive Dynamic Surface Control of Elastic Robotic Joints with Friction and Disturbances. , 2017, , .		0
1129	Active disturbance rejection control for vibration displacement tracking system of continuous casting mold driven by servo motor. , 2017, , .		0
1130	Virtual Reference Feedback Tuning of Model-Free Control Algorithms for Servo Systems. Machines, 2017, 5, 25.	1.2	23
1131	A Combined Voltage Control Strategy for Fuel Cell. Sustainability, 2017, 9, 1517.	1.6	30
1132	Tuning Guidelines for an Adaptive-Gain Parabolic Sliding Mode Filter. Applied Sciences (Switzerland), 2017, 7, 209.	1.3	3
1133	Design of Nonlinear Robust Damping Controller for Power Oscillations Suppressing Based on Backstepping-Fractional Order Sliding Mode. Energies, 2017, 10, 676.	1.6	4
1134	Improved Load Frequency Control Using a Fast Acting Active Disturbance Rejection Controller. Energies, 2017, 10, 1718.	1.6	12
1135	Active Fault-Tolerant Control for Wind Turbine with Simultaneous Actuator and Sensor Faults. Complexity, 2017, 2017, 1-11.	0.9	15
1136	Current-Loop Control for the Pitching Axis of Aerial Cameras via an Improved ADRC. Mathematical Problems in Engineering, 2017, 2017, 1-8.	0.6	6
1137	Finite-Time Tracking Control for a Class of MIMO Nonlinear Systems with Unknown Asymmetric Saturations. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	1
1138	Robust Speed Tracking Control for a Micro Turbine as a Distributed Energy Resource via Feedback Domination and Disturbance Observer. Mathematical Problems in Engineering, 2017, 2017, 1-9.	0.6	0
1139	Finite-Time Stabilization for a Class of Nonlinear Differential-Algebraic Systems Subject to Disturbance. Discrete Dynamics in Nature and Society, 2017, 2017, 1-14.	0.5	7
1140	Active disturbance rejection backstepping control for trajectory tracking of the unmanned airship. , 2017, , .		1
1141	A novel continuous finite-time disturbance observer design and its application. , 2017, , .		0
1142	Extended-state-observer-based output feedback sliding mode control of inertial stabilized platform. , 2017, , .		0



#	ARTICLE	IF	CITATIONS
1143	Postural balance using a disturbance rejection method. , 2017, , .		4
1144	Quantitative relationship in terms of time-delay tolerance of two kinds of extended state observers. , 2017, , .		0
1145	Adaptive synchronization tracking control of dual-driving feed system for gantry-type machine tool. , 2017, , .		4
1146	On stability and robustness of linear active disturbance rejection control: A small gain theorem approach. , 2017, , .		6
1147	A single machine infinite bus power system damping control design with extended state observer. Cogent Engineering, 2017, 4, 1369923.	1.1	4
1148	Partial state based attitude control and momentum management for spacecraft. , 2017, , .		0
1149	A novel velocity estimation method for robotic joints based on inverse hyperbolic sine tracing differential algorithm. , 2017, , .		1
1150	Tracking control of parafoil airdrop robot in wind environments. , 2017, , .		3
1151	Stability of sampled-data linear active disturbance rejection control: A classical control approach. , 2017, , .		3
1152	Backstepping active disturbance rejection control: a delayed activation approach. IET Control Theory and Applications, 2017, 11, 2336-2342.	1.2	22
1153	Stable and robust control design for a benchmark hypersonic aircraft model. , 2017, , .		2
1154	A Novel Controller Design for the Next Generation Space Electrostatic Accelerometer Based on Disturbance Observation and Rejection. Sensors, 2017, 17, 21.	2.1	8
1155	Tracking Control of Wheeled Mobile Robots with Slippage Based on Active Disturbance Rejection Control. , 2017, , .		0
1156	Extended High-Gain Observers as Disturbance Estimators. SICE Journal of Control Measurement and System Integration, 2017, 10, 125-134.	0.4	45
1159	Generalities of ADRC. , 2017, , 13-50.		1
1160	Inferential Active Disturbance Rejection Control of a Heat Integrated Distillation Column Using Dynamic Principal Component Regression Models. , 2017, , .		1
1161	Multiple flight vehicles cooperative guidance law based on extended state observer and finite time consensus theory. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 270-279.	0.7	14
1162	Performance Assessment of Discrete-Time Extended State Observers: Theoretical and Experimental Results. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2256-2268.	3.5	25

#	ARTICLE	IF	CITATIONS
1163	Active disturbance rejection control applied to automated steering for lane keeping in autonomous vehicles. <i>Control Engineering Practice</i> , 2018, 74, 13-21.	3.2	71
1164	An Adaptive Periodic-Disturbance Observer for Periodic-Disturbance Suppression. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 4446-4456.	7.2	85
1165	Adaptive Backstepping-Based Neural Network Control for Hypersonic Reentry Vehicle With Input Constraints. <i>IEEE Access</i> , 2018, 6, 1954-1966.	2.6	21
1166	Hardware Implementation of an ADRC Controller on a Gimbal Mechanism. <i>IEEE Transactions on Control Systems Technology</i> , 2018, 26, 2268-2275.	3.2	46
1167	A DC-Link Voltage Fast Control Strategy for High-Speed PMSM/G in Flywheel Energy Storage System. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 1671-1679.	3.3	36
1168	Internal Model-Based Disturbance Observer With Application to CVCF PWM Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 5743-5753.	5.2	49
1169	Oscillation Analysis and Wide-Area Damping Control of DFIGs for Renewable Energy Power Systems Using Line Modal Potential Energy. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 3460-3471.	4.6	32
1170	Limits of a simplified controller design based on integral plus dead time models. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2018, 232, 728-741.	0.7	8
1171	Sliding Mode Control of a Three-Phase AC/DC Voltage Source Converter Under Unknown Load Conditions: Industry Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1771-1780.	5.9	94
1172	High-Frequency Voltage-Injection Methods and Observer Design for Initial Position Detection of Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 7971-7979.	5.4	43
1173	Position Control for Magnetic Rodless Cylinders With Strong Static Friction. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 5806-5815.	5.2	39
1174	Adaptive Regulation to Nominal Response for Uncertain Mechanical Systems and Its Application to Optical Disk Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1450-1458.	5.2	2
1175	A reduced-order extended state observer-based trajectory tracking control for one-degree-of-freedom pneumatic manipulator. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401876728.	0.8	2
1176	On a linear input-output approach for the control of nonlinear flat systems. <i>International Journal of Control</i> , 2018, 91, 2131-2146.	1.2	5
1177	Robust finite time second-order sliding mode stabilization control for floated inertial platform. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 1620-1627.	0.7	3
1178	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.	2.7	60
1179	Fractional order fuzzy PID optimal control in copper removal process of zinc hydrometallurgy. <i>Hydrometallurgy</i> , 2018, 178, 60-76.	1.8	24
1180	A Rapid Dynamic Positioning Method for Settling Time Reduction Through a Macro-Micro Composite Stage With High Positioning Accuracy. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 4849-4860.	5.2	36

#	ARTICLE	IF	CITATIONS
1181	Floating Autonomous Manipulation of the Underwater Biomimetic Vehicle-Manipulator System: Methodology and Verification. IEEE Transactions on Industrial Electronics, 2018, 65, 4861-4870.	5.2	39
1182	A Robust Current Control Based on Proportional-Integral Observers for Permanent Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2018, 54, 1437-1447.	3.3	28
1183	ADRC for spacecraft attitude and position synchronization in libration point orbits. Acta Astronautica, 2018, 145, 238-249.	1.7	16
1184	Low-complexity prescribed performance control for spacecraft attitude stabilization and tracking. Aerospace Science and Technology, 2018, 74, 173-183.	2.5	72
1185	Near-Optimal Control Without Solving HJB Equations and Its Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 7173-7184.	5.2	22
1186	Continuous Finite-Time Output Regulation of Nonlinear Systems With Unmatched Time-Varying Disturbances. , 2018, 2, 97-102.		38
1187	Sensor bias fault detection and isolation in a large multirotor aerial vehicle using active disturbance rejection control. , 2018, , .		4
1188	Modifications of Model Free Control to FOTD Plants. Lecture Notes in Computer Science, 2018, , 175-182.	1.0	3
1189	Model-free based adaptive nonsingular fast terminal sliding mode control with time-delay estimation for a 12 DOF multi-functional lower limb exoskeleton. Advances in Engineering Software, 2018, 119, 38-47.	1.8	82
1190	Active disturbance rejection controller design for stable walking of a compass-like biped. Transactions of the Institute of Measurement and Control, 2018, 40, 4063-4077.	1.1	6
1191	Effect of Extended State Observer and Automatic Voltage Regulator on Synchronous Machine Connected to Infinite Bus Power System. Journal of the Institution of Engineers (India): Series B, 2018, 99, 147-156.	1.3	4
1192	Continuous momentum management for space station based on LESO. Aerospace Science and Technology, 2018, 72, 364-370.	2.5	9
1193	An improved tracking-differentiator filter based on Taylor's formula. Optik, 2018, 158, 1026-1033.	1.4	11
1194	On convergence of the discrete-time nonlinear extended state observer. Journal of the Franklin Institute, 2018, 355, 501-519.	1.9	12
1195	Active disturbance rejection control for electric power steering system with assist motor variable mode. Journal of the Franklin Institute, 2018, 355, 1139-1155.	1.9	24
1196	Enhanced extended state observer-based control for systems with mismatched uncertainties and disturbances. ISA Transactions, 2018, 73, 1-10.	3.1	54
1197	Relative position control design of receiver UAV in flying-boom aerial refueling phase. ISA Transactions, 2018, 73, 40-53.	3.1	5
1198	Extended State Observer-Based Model Predictive Control in Mars Powered Descent. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
1199	Robust inertia-free attitude takeover control of postcapture combined spacecraft with guaranteed prescribed performance. ISA Transactions, 2018, 74, 28-44.	3.1	55
1200	Disturbance attenuation and rejection for stochastic Markovian jump system with partially known transition probabilities. Automatica, 2018, 89, 349-357.	3.0	150
1201	Nonlinear Motion Control of a Hydraulic Press Based on an Extended Disturbance Observer. IEEE Access, 2018, 6, 18502-18510.	2.6	27
1202	On the active disturbance rejection control of the permanent magnet synchronous motor. , 2018, , .		7
1203	The tools for verifying the control algorithms for speed and positional servo drives. , 2018, , .		1
1204	A self-searching optimal ADRC for the pitch angle control of an underwater thermal glider in the vertical plane motion. Ocean Engineering, 2018, 159, 98-111.	1.9	32
1205	Extended-State-Observer-Based Chattering Free Sliding Mode Control for Nonlinear Systems With Mismatched Disturbance. IEEE Access, 2018, 6, 22952-22957.	2.6	52
1206	Passivity-based control for rocket launcher position servo system based on improved active disturbance rejection technology. Advances in Mechanical Engineering, 2018, 10, 168781401876674.	0.8	1
1207	Distributed ESO based cooperative tracking control for high-order nonlinear multiagent systems with lumped disturbance and application in multi flight simulators systems. ISA Transactions, 2018, 74, 217-228.	3.1	16
1208	Cascade Active Disturbance Rejection Control of a High-Purity Distillation Column with Measurement Noise. Industrial & Engineering Chemistry Research, 2018, 57, 4623-4631.	1.8	24
1209	Speed control for the lateral swing of aerial cameras based on an improved extended state observer. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2018, 41, 124-131.	0.6	6
1210	Disturbance observer based backstepping MIMO control design for a marine vessel in the presence of input saturation and external disturbance. , 2018, , .		3
1211	Adaptive super twisting extended state observer based sliding mode control for diesel engine air path subject to matched and unmatched disturbance. Mathematics and Computers in Simulation, 2018, 151, 111-130.	2.4	28
1212	Adaptive Robust Control for Mirror-Stabilized Platform With Input Saturation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	2
1213	Approximate decoupling and output tracking for MIMO nonlinear systems with mismatched uncertainties via ADRC approach. Journal of the Franklin Institute, 2018, 355, 3873-3894.	1.9	24
1214	UDE-Based Current Control Strategy for LCCL-Type Grid-Tied Inverters. IEEE Transactions on Industrial Electronics, 2018, 65, 4061-4069.	5.2	16
1215	Power-Imbalance Allocation Control of Power Systems-Secondary Frequency Control. Automatica, 2018, 92, 72-85.	3.0	21
1216	Finite-Time Attitude Stabilization of Flexible Spacecrafts via Reduced-Order SMDO and NTSMC. Journal of Aerospace Engineering, 2018, 31, .	0.8	19

#	ARTICLE	IF	CITATIONS
1217	Disturbance estimator based output feedback exponential stabilization for Euler-Bernoulli beam equation with boundary control. <i>Automatica</i> , 2018, 91, 79-88.	3.0	28
1218	Point-to-point motions control of an electromagnetic direct-drive gas valve. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 363-371.	0.7	7
1219	Generalized Proportional Integral Observer-Based Robust Finite Control Set Predictive Current Control for Induction Motor Systems with Time-Varying Disturbances. <i>IEEE Transactions on Industrial Informatics</i> , 2018, , 1-1.	7.2	81
1220	Closed-form solution of discrete-time optimal control and its convergence. <i>IET Control Theory and Applications</i> , 2018, 12, 413-418.	1.2	12
1221	Decentralised load frequency control for power systems with communication delays via active disturbance rejection. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 1397-1403.	1.4	40
1222	A Nonsmooth Composite Control Design Framework for Nonlinear Systems With Mismatched Disturbances: Algorithms and Experimental Tests. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 8828-8839.	5.2	42
1223	Acceleration autopilot design for gliding guided projectiles with less measurement information. <i>Aerospace Science and Technology</i> , 2018, 77, 256-264.	2.5	11
1224	Multivariable uniform finite-time output feedback reentry attitude control for RLV with mismatched disturbance. <i>Journal of the Franklin Institute</i> , 2018, 355, 3470-3487.	1.9	28
1225	Active disturbance rejection control with adaptive rate limitation for process control application. , 2018, , .		5
1226	Adaptive control of a 7-DOF exoskeleton robot with uncertainties on kinematics and dynamics. <i>European Journal of Control</i> , 2018, 42, 77-87.	1.6	24
1227	A data-driven approximate solution to the model-free HJB equation. <i>Optimal Control Applications and Methods</i> , 2018, 39, 835-844.	1.3	8
1228	Direct torque control of PMSM using sliding mode backstepping control with extended state observer. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 694-707.	1.5	36
1229	Exponential stabilization of thermoelastic system of type II with non-uniform bounded disturbance. <i>Applicable Analysis</i> , 2018, 97, 145-159.	0.6	5
1230	Optimized pure hardware FPGA-based implementation of active disturbance rejection control. <i>Electrical Engineering</i> , 2018, 100, 111-121.	1.2	7
1231	Perturbation observer-based adaptive passive control for nonlinear systems with uncertainties and disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 1223-1236.	1.1	7
1232	Exquisite disturbance attenuation control for a rotary inverted pendulum. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 812-818.	1.1	3
1233	Compound disturbance rejection control of spark ignition-controlled-autoignition hybrid combustion for gasoline engines. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2018, 232, 264-281.	1.1	4
1234	Attitude stabilization of a rigid spacecraft with actuator delay and fault. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 2340-2351.	1.1	5

#	ARTICLE	IF	CITATIONS
1235	Nonlinear Adaptive Control of Hydraulic System With Observing and Compensating Mismatching Uncertainties. IEEE Transactions on Control Systems Technology, 2018, 26, 927-938.	3.2	59
1236	Output-Feedback Path-Following Control of Autonomous Underwater Vehicles Based on an Extended State Observer and Projection Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 535-544.	5.9	272
1237	Adaptive Fuzzy Bounded Control for Consensus of Multiple Strict-Feedback Nonlinear Systems. IEEE Transactions on Cybernetics, 2018, 48, 522-531.	6.2	111
1238	Position control for a two-joint robot finger system driven by pneumatic artificial muscles. Transactions of the Institute of Measurement and Control, 2018, 40, 1328-1339.	1.1	6
1239	Continuous Output Feedback TSM Control for Uncertain Systems With a DC-AC Inverter Example. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 71-75.	2.2	52
1240	Optimal backstepping control for a ship using firefly optimization algorithm and disturbance observer. Transactions of the Institute of Measurement and Control, 2018, 40, 1983-1998.	1.1	10
1241	Distributed Maneuvering of Autonomous Surface Vehicles Based on Neurodynamic Optimization and Fuzzy Approximation. IEEE Transactions on Control Systems Technology, 2018, 26, 1083-1090.	3.2	291
1242	Active Disturbance Rejection Attitude Control for a Dual Closed-Loop Quadrotor Under Gust Wind. IEEE Transactions on Control Systems Technology, 2018, 26, 1400-1405.	3.2	157
1243	Adaptive disturbance compensation finite control set optimal control for PMSM systems based on sliding mode extended state observer. Mechanical Systems and Signal Processing, 2018, 98, 402-414.	4.4	63
1244	A new approach for periodic disturbance rejection in input-time-delay systems. Transactions of the Institute of Measurement and Control, 2018, 40, 2589-2598.	1.1	6
1245	Time-varying input delay compensation for nonlinear systems with additive disturbance: An output feedback approach. International Journal of Robust and Nonlinear Control, 2018, 28, 31-52.	2.1	116
1246	Generalized active disturbance rejection control of structures under seismic disturbance considering time delays. Structural Control and Health Monitoring, 2018, 25, e2029.	1.9	9
1247	A Cooperative Charging Protocol for Onboard Supercapacitors of Catenary-Free Trams. IEEE Transactions on Control Systems Technology, 2018, 26, 1219-1232.	3.2	43
1248	Strictly-lower-convex-function-constructing disturbance observer based adaptive back stepping control for hypersonic flight vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 2552-2564.	0.7	0
1249	A Novel Extended State Observer for Output Tracking of MIMO Systems With Mismatched Uncertainty. IEEE Transactions on Automatic Control, 2018, 63, 211-218.	3.6	131
1250	Optimized Active Disturbance Rejection Control for DC-DC Buck Converters With Uncertainties Using a Reduced-Order GPI Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 832-841.	3.5	132
1251	Composite Backstepping Consensus Algorithms of Leader-Follower Higher-Order Nonlinear Multiagent Systems Subject to Mismatched Disturbances. IEEE Transactions on Cybernetics, 2018, 48, 1935-1946.	6.2	46
1252	On Finite-Time Stabilization of Active Disturbance Rejection Control for Uncertain Nonlinear Systems. Asian Journal of Control, 2018, 20, 415-424.	1.9	22

#	ARTICLE	IF	CITATIONS
1253	Active disturbance rejection controller design for dynamically positioned vessels based on adaptive hybrid biogeography-based optimization and differential evolution. ISA Transactions, 2018, 78, 56-65.	3.1	52
1254	Output-Feedback Stabilization of the PVTOL Aircraft System Based on an Exact Differentiator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 90, 443-454.	2.0	11
1255	Exact docking flight controller for autonomous aerial refueling with back-stepping based high order sliding mode. Mechanical Systems and Signal Processing, 2018, 101, 338-360.	4.4	60
1256	Sliding Mode Control Devoid of State Measurements. , 2018, , 73-102.		2
1257	Attitude Control of a Quad-rotor Based on LADRC. Lecture Notes in Electrical Engineering, 2018, , 43-52.	0.3	1
1258	EID-Based Periodic Disturbance Rejection for Sintering Ignition Process with Input Time Delay. Asian Journal of Control, 2018, 20, 1274-1287.	1.9	5
1259	Stabilization of Uncertain Multi-Order Fractional Systems Based on the Extended State Observer. Asian Journal of Control, 2018, 20, 1263-1273.	1.9	22
1260	Adaptive Attitude Tracking with Active Uncertainty Rejection. Journal of Guidance, Control, and Dynamics, 2018, 41, 550-558.	1.6	40
1261	Robust Voltage Control of Floating Interleaved Boost Converter for Fuel Cell Systems. IEEE Transactions on Industry Applications, 2018, 54, 665-674.	3.3	114
1262	Robust state-constrained control design for nonlinear systems with uncertainties using a new barrier Lyapunov function. Transactions of the Institute of Measurement and Control, 2018, 40, 3489-3497.	1.1	5
1263	Active and Reactive Power Robust Control of Doubly Fed Induction Generator Wind Turbine to Satisfy New Grid Codes. Advances in Intelligent Systems and Computing, 2018, , 106-118.	0.5	1
1264	Implementation and experiment of an active vibration reduction strategy for macro-micro positioning system. Precision Engineering, 2018, 51, 319-330.	1.8	15
1265	Robust output regulation of a triaxial MEMS gyroscope via nonlinear active disturbance rejection. International Journal of Robust and Nonlinear Control, 2018, 28, 1830-1851.	2.1	27
1266	Discrete-time nonlinear damping backstepping control with observers for rejection of low and high frequency disturbances. Mechanical Systems and Signal Processing, 2018, 104, 436-448.	4.4	19
1267	Active Disturbance Rejection Control for Active Suspension System of Tracked Vehicles With Gun. IEEE Transactions on Industrial Electronics, 2018, 65, 4051-4060.	5.2	73
1268	Adaptive Projection Neural Network for Kinematic Control of Redundant Manipulators With Unknown Physical Parameters. IEEE Transactions on Industrial Electronics, 2018, 65, 4909-4920.	5.2	96
1269	Stabilization of a Timoshenko Beam With Disturbance Observer-Based Time Varying Boundary Controls. Asian Journal of Control, 2018, 20, 1869-1880.	1.9	7
1270	Robust Voltage Control for an Electrostatic Micro-Actuator. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	8

#	ARTICLE	IF	CITATIONS
1271	Extended state observer based robust adaptive control on SE(3) for coupled spacecraft tracking maneuver with actuator saturation and misalignment. Acta Astronautica, 2018, 143, 221-233.	1.7	49
1272	Robust back-stepping output feedback trajectory tracking for quadrotors via extended state observer and sigmoid tracking differentiator. Mechanical Systems and Signal Processing, 2018, 104, 631-647.	4.4	107
1273	Performance analysis of 2-DOF tracking control for a class of nonlinear uncertain systems with discontinuous disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 1456-1473.	2.1	108
1274	Probe motion compound control for autonomous aerial refueling docking. Aerospace Science and Technology, 2018, 72, 1-13.	2.5	25
1275	Review and recent development of internal model design. Journal of Control and Decision, 2018, 5, 94-114.	0.7	7
1276	Robust Flat Filtering Control of a Nonlinear Manipulator-Direct Current Motor System. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	5
1277	Motion-based active disturbance rejection control for a non-linear full-car suspension system. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2018, 232, 616-631.	1.1	21
1278	Robust Control of Three Phase Grid Connected PV System Based on ADRC and Fuzzy. , 2018, , .		1
1279	Extended-State Observer-Based Integral Sliding-Mode Control for a Quadrotor. , 2018, , .		3
1280	Enhanced Smith Predictor based Active Disturbance Rejection Control for Tracking and Rejecting Periodic Signals on Time Delay Systems*. , 2018, , .		2
1281	Active Disturbance Rejection Control for a Nonlinear System Subject to Actuator Saturation. , 2018, , .		1
1282	Direct Torque Control for PMSM Using Active Disturbance Rejection Control Method. , 2018, , .		3
1283	Active Disturbance Rejection Control Approach to Tight Formation Flight of Unmanned Aerial Vehicles. , 2018, , .		0
1284	Extended-State-Observer-Based Collision-Free Guidance Law for Target Tracking of Autonomous Surface Vehicles with Unknown Target Dynamics. Complexity, 2018, 2018, 1-10.	0.9	13
1285	Deployment and Shape Change of a Tensegrity Structure Using Path-Planning and Feedback Control. Frontiers in Built Environment, 2018, 4, .	1.2	13
1286	Speed Control for a Marine Diesel Engine Based on the Combined Linear-Nonlinear Active Disturbance Rejection Control. Mathematical Problems in Engineering, 2018, 2018, 1-18.	0.6	18
1287	Generalized Extended State Observer Based Speed Control for DC Motor Servo System. , 2018, , .		1
1288	Application of an Improved ADRC Controller Based on the Double Closed Loop Dynamic Disturbance Compensation in PMSM. , 2018, , .		13



#	ARTICLE	IF	CITATIONS
1289	Hybrid Image Stabilization of Robotic Bionic Eyes. , 2018, , .		3
1290	Improved Sensorless Speed Control Method for Linear Induction Motor Based Extended Adaptive Full-Order Observer. , 2018, , .		0
1291	A novel active disturbance rejection controller for an electromagnetic valve actuator. MATEC Web of Conferences, 2018, 202, 02010.	0.1	0
1292	Decentralized robust control of a hydraulic driven parallel manipulator based on disturbance estimation. IOP Conference Series: Materials Science and Engineering, 2018, 392, 062186.	0.3	0
1293	Ph Neutralization Process Control Using Linear Active Disturbance Rejection Control. , 2018, , .		1
1294	ESO Based Model Predictive Control of an Omnidirectional Mobile Robot with Friction Compensation. , 2018, , .		2
1295	ADRC Load Position Controller for Two Mass System with Elastic Joint and Backlash. , 2018, , .		2
1296	An Aerodynamic load tracking method for electric tail rotor of helicopter. , 2018, , .		1
1297	Linear Active Disturbance Rejection Control Tuning Approach Guarantees Stability Margin. , 2018, , .		4
1298	Linear Active Disturbance Rejection Control For Double Integrator: Separation Diagram And Frequency Properties. , 2018, , .		1
1299	Acceleration Feedback Enhanced $H_{\infty}$ Control of Unmanned Aerial Vehicle for Wind Disturbance Rejection. , 2018, , .		0
1300	ADRC Attitude Controller Design for Hypersonic Vehicle based on MIMO-ESO. MATEC Web of Conferences, 2018, 214, 03003.	0.1	2
1301	Cloud-based Active Disturbance Rejection Control for Industrial Robots. , 2018, , .		3
1302	A Novel Grid-connected Current Harmonics Control Method of Single-phase Distributed PV with Nonlinear Local Loads Based on LADRC. , 2018, , .		0
1303	Trajectory Tracking Control of an Omnidirectional Mobile Manipulator Based on Active Disturbance Rejection Control. , 2018, , .		3
1304	A Predictor-based ADRC for input delay systems subject to unknown disturbances. , 2018, , .		1
1305	LADRC-Smith Controller Design and Parameters Analysis for First-Order Inertial Systems with Large Time-Delay. , 2018, , .		2
1306	Implementation of an Active Disturbance Rejection Controller on Piezoelectric Actuators. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
1307	Extended State Observer Based Hierarchical Control for quadrotor UAV. , 2018, , .		1
1308	Nonlinear Active Disturbance Rejection Control for an Omnidirectional Mobile Robot. , 2018, , .		0
1309	Maximum Sensitivity Based PI <sup>λ</sup> Controller for FOPDT Processes. , 2018, , .		1
1310	ADRC-based Longitudinal Control for Novel Flight Vehicle with Moving Mass. , 2018, , .		1
1311	Decoupling Control of a Binary Distillation Column with Measurement Noise. , 2018, , .		1
1312	Distributed Active Disturbance Rejection Control for Linear Multi-Agent Systems Over Directed Graph. , 2018, , .		4
1313	An Enhanced Anti-Disturbance Control Approach for Systems Subject to Multiple Disturbances. , 2018, , .		8
1314	Design of a Position Controller for PMSM with Compensation of Nonideal Back-EMF Effect. , 2018, , .		1
1315	A Wind Estimation Method with an Unmanned Rotorcraft for Environmental Monitoring Tasks. Sensors, 2018, 18, 4504.	2.1	29
1316	Full-order ESO Based Disturbance Rejection Method With a Simple Parameter Tuning for Electro-Mechanical Servo System. , 2018, , .		4
1317	On Disturbance Rejection of Piezo-actuated Nanopositioner. , 2018, , .		1
1318	Position and attitude control of a quadrotor. , 2018, , .		1
1319	Output Feedback Disturbance Rejection Control for DC-DC Buck Converter-DC Motor System Subject to Unmatched Load Torques. , 2018, , .		3
1320	An Improved Extended State Observer Based on Linear-Nonlinear Switching Strategy for PMSM Sensorless Control. , 2018, , .		9
1321	Wind Disturbance Rejection for Unmanned Aerial Vehicle Based on Acceleration Feedback Method. , 2018, , .		7
1322	Adaptive Backstepping Control Design for Uncertain Rigid Spacecraft With Both Input and Output Constraints. IEEE Access, 2018, 6, 60776-60789.	2.6	13
1323	Finite-Time Disturbance Rejection Control and Its Application to Robot Manipulator. , 2018, , .		0
1324	Enhanced control of a flexure-jointed micromanipulation system using a vision-based servoing approach. IOP Conference Series: Materials Science and Engineering, 2018, 297, 012046.	0.3	2

#	ARTICLE	IF	CITATIONS
1325	Stabilization of an Orr-Sommerfeld equation cascaded by both the Squire equation and ODE subject to boundary control matched disturbance via active disturbance rejection control. IMA Journal of Mathematical Control and Information, 0, , .	1.1	1
1326	A High-Precision Discrete Tracking Differentiator and its Application in Processing PMU Data. , 2018, , .		0
1327	Sliding-Mode Perturbation Observer-Based Sliding-Mode Control for VSC-HVDC Systems. , 2018, , .		2
1328	LADRC Applied for the Doubly Fed Induction Generator Connected to the Micro-grid. , 2018, , .		0
1329	Control Scheme for Bidirectional DC/DC Converter in PV-battery System based on Active Disturbance Rejection Control. , 2018, , .		0
1330	Real Implementation of Fault-Tolerant Sliding Mode Control for a Robot Manipulator. , 2018, , .		0
1331	Adaptive Launching Control Strategy of In-Wheel Motor Driven Vehicle. , 2018, , .		2
1332	Complete Synchronization of Finance Chaotic System with Disturbance by Using ADRC. , 2018, , .		1
1333	Depth control of an underwater flight vehicle at low speeds and depths. , 2018, , .		1
1334	Linear Active Disturbance Rejection Controller Design For Underwater Vehicle Manipulators with 2-links. , 2018, , .		4
1335	Decentralized Active Disturbance Rejection Control for the Benchmark Refrigeration System. IFAC-PapersOnLine, 2018, 51, 503-508.	0.5	4
1336	A kind of nonlinear PID controller for Refrigeration Systems based on Vapour Compression. IFAC-PapersOnLine, 2018, 51, 716-721.	0.5	7
1337	Steering Angle Control of Autonomous Vehicles Based on Active Disturbance Rejection Control. IFAC-PapersOnLine, 2018, 51, 796-800.	0.5	13
1338	Robust Disturbance Rejection by the Attractive Ellipsoid Method " Part I: Continuous-time Systems. IFAC-PapersOnLine, 2018, 51, 34-39.	0.5	4
1339	Tracking Control Strategy of PMSLM with A Novel Observer-based Compensator and A RBFNN-based Controller. , 2018, , .		2
1340	Experimental Study of ADRC Based Heading Control of Underwater Flight Vehicles. , 2018, , .		0
1341	Modified Active Disturbance Rejection Controller Design for Multivariable System. , 2018, , .		0
1342	High-Precision Tracking of Piezoelectric Actuator Using Active Disturbance Rejection Control. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
1343	Sliding Mode Control for PMSM Based on a Novel Hybrid Reaching Law. , 2018, , .		2
1344	A Model-Compensation ADRC Strategy of Wind Energy Conversion System with Direct-Driven PMSC. , 2018, , .		2
1345	Attitude control for a quadrotor base on ADRC with GSO parameter optimization. , 2018, , .		3
1346	Data-Driven Active Disturbance Rejection Control of Pendulum Cart Systems. , 2018, , .		6
1347	Application of ADRC in Stability Control of Tank Gun System. , 2018, , .		7
1348	Pressure Control for Oxygen Supply System Based on ADRC-GPC. , 2018, , .		0
1349	Active disturbance rejection control: Applications in aerospace. Control Theory and Technology, 2018, 16, 314-323.	1.0	17
1350	Development of nonlinear disturbance observer based control and nonlinear PID: A personal note. Control Theory and Technology, 2018, 16, 284-300.	1.0	4
1351	Active disturbance rejection control: some recent experimental and industrial case studies. Control Theory and Technology, 2018, 16, 301-313.	1.0	76
1352	Embedded model control: Reconciling modern control theory and error-based control design. Control Theory and Technology, 2018, 16, 261-283.	1.0	3
1353	Intelligence evolution for service robot: An ADRC perspective. Control Theory and Technology, 2018, 16, 324-335.	1.0	14
1354	Design of Active Disturbance Rejection Control for Single-Link Flexible Joint Robot Manipulator. , 2018, , .		21
1355	Omnidirectional Mobile Robot Active Disturbance Rejection Control. , 2018, , .		1
1356	ESO-Based Adaptive Sliding Control for Nonlinear Servo System with Unknown Disturbance and Uncertainties. , 2018, , .		2
1357	Extended State Observer for Nonlinear Time-Varying Dynamic Systems. , 2018, , .		1
1358	Research on Active Disturbance Rejection Control Technology of Electromechanical Actuators. Electronics (Switzerland), 2018, 7, 174.	1.8	16
1359	Trajectory Tracking Control and Experimental Verification of a New Linear Motor based on Fractional Calculus. , 2018, , .		0
1360	Finite-Time Backstepping Control for Quadrotors With Disturbances and Input Constraints. IEEE Access, 2018, 6, 62037-62049.	2.6	50

#	ARTICLE	IF	CITATIONS
1361	On Closed - loop Control of Matrix Converter with Double Voltage Control. , 2018, , .		1
1362	Nonlinear DOB-based explicit NMPC for station-keeping of a multi-vectorred propeller airship with thrust saturation. Aeronautical Journal, 2018, 122, 1753-1774.	1.1	8
1363	High-Precision Anti-Disturbance Gimbal Servo Control for Control Moment Gyroscopes via an Extended Harmonic Disturbance Observer. IEEE Access, 2018, 6, 66336-66349.	2.6	14
1364	Active Disturbance Rejection Control Based Load Side Speed Controller for Two Mass System with Backlash. , 2018, , .		3
1365	Output Feedback Exponential Stabilization for One-Dimensional Unstable Wave Equations with Boundary Control Matched Disturbance. SIAM Journal on Control and Optimization, 2018, 56, 4098-4129.	1.1	35
1366	Position control of a linear ultrasonic motor: An active disturbance rejection approach. , 2018, , .		1
1367	Finite-Time Extended State Observer Design for Nonlinear Systems with Prescribed Performance. , 2018, , .		3
1368	Modeling and Analysis of the Novel Stator Excitation Brushless Motor Based on Active Disturbance Rejection Control. , 2018, , .		1
1369	Ground Disturbance Rejection Approach for Mobile Robotic Manipulators with Hydraulic Actuators. , 2018, , .		2
1370	A Guide for Gain Tuning of Disturbance Observer: Balancing Disturbance Estimation and Noise Suppression. , 2018, , .		1
1371	Controllable regenerative braking process for hybrid batteryâ€“ultracapacitor electric drive systems. IET Power Electronics, 2018, 11, 2507-2514.	1.5	22
1372	Desired Compensation Nonlinear Cascade Control of High-Response Proportional Solenoid Valve Based on Reduced-Order Extended State Observer. IEEE Access, 2018, 6, 64503-64514.	2.6	9
1373	Active Disturbance Rejection Control for Removal of Ramp Disturbance Using Plant Inverse Property. , 2018, , .		0
1374	Extended State Observer-Based Sliding-Mode Control for Floating Interleaved Boost Converters. , 2018, , .		5
1375	Robust Model-Predictive Deformation Control of a Soft Object by Using a Flexible Continuum Robot. , 2018, , .		8
1376	Maglev Train Signal Processing Architecture Based on Nonlinear Discrete Tracking Differentiator. Sensors, 2018, 18, 1697.	2.1	8
1377	Model-Guided Data-Driven Decentralized Control for Magnetic Levitation Systems. IEEE Access, 2018, 6, 43546-43562.	2.6	10
1378	Consensus Based Formation Control for Multi-UAV Systems with Time-varying Delays and Jointly Connected Topologies. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
1379	Robust adaptive attitude control of the quad-rotor UAV based on the LQR and NESO technique. , 2018, , .		3
1380	Discrete-Time Algorithms of a Parabolic Sliding Mode Filter: A Comparative Review. , 2018, , .		0
1381	A Disturbance Rejection Control Approach for Clock Synchronization in IEEE 1588 Networks. Journal of Systems Science and Complexity, 2018, 31, 1437-1448.	1.6	3
1382	A Data-driven Optimal ILC Method Incorporated with Extended State Observer for Nonlinear Discrete-time Repetitive Systems. , 2018, , .		2
1383	Two-Degree-of-Freedom PID Tuning Based on an Uncertainty and Disturbance Estimator *. , 2018, , .		3
1384	An ADRC-Based Control Strategy for FRT Improvement of Wind Power Generation with a Doubly-Fed Induction Generator. Energies, 2018, 11, 1150.	1.6	14
1385	An equivalence between the ADRC and the Flat filtering controllers: A case study in double buck converter. , 2018, , .		4
1386	Observer-Based Control System Design of High Performance Motion System with Parallel Kinematics. , 2018, , .		1
1387	An ADRC Method for Noncascaded Integral Systems Based on Algebraic Substitution Method and Its Structure. Mathematical Problems in Engineering, 2018, 2018, 1-10.	0.6	3
1388	Friction compensation and observer-based adaptive sliding mode control of electromechanical actuator. Advances in Mechanical Engineering, 2018, 10, 168781401881379.	0.8	5
1389	Command-Filtered Adaptive Recursive Sliding Control for Switched Nonlinear Systems. , 2018, , .		1
1390	Power flow control in wind energy conversion systems using PSO optimized adaptive sliding mode control. , 2018, , .		1
1391	The Temperature Control of Blackbody Radiation Source Based on ADRC. , 2018, , .		1
1392	Bandwidth Based Stability Analysis of Active Disturbance Rejection Control for Nonlinear Uncertain Systems. Journal of Systems Science and Complexity, 2018, 31, 1449-1468.	1.6	9
1393	Force-Position Control for Upper Limb Exoskeleton Based on Muscle Model with Compensation. , 2018, , .		0
1394	ADRC with Feedforward Control For Time-Delay Systems. , 2018, , .		3
1395	High-Order Sliding Mode-Based Fixed-Time Active Disturbance Rejection Control for Quadrotor Attitude System. Electronics (Switzerland), 2018, 7, 357.	1.8	16
1396	Active disturbance rejection control for marine fish cage. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1397	Generalized extended state observer design for the estimation of the rate of glucose appearance in artificial pancreas. , 2018, , .		4
1398	Model-free control of a quadrotor using adaptive proportional derivative-sliding mode control and robust integral of the signum of the error. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880088.	1.3	15
1399	Data-driven oxygen excess ratio control for proton exchange membrane fuel cell. Applied Energy, 2018, 231, 866-875.	5.1	173
1400	Attitude Control of Aircraft Using Only Synthetic Jet Actuators When Stall Occurs. IEEE Access, 2018, 6, 37910-37917.	2.6	9
1401	An integrated solution to ACMM problem of spacecraft with inertia uncertainty. International Journal of Robust and Nonlinear Control, 2018, 28, 5575-5589.	2.1	10
1402	Active disturbance rejection based MPPT control for wind energy conversion system under uncertain wind velocity changes. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	4
1403	Application of fractional-order active disturbance rejection controller on linear motion system. Control Engineering Practice, 2018, 81, 207-214.	3.2	32
1404	Model-assisted extended state observer-based computed torque control for trajectory tracking of uncertain robotic manipulator systems. International Journal of Advanced Robotic Systems, 2018, 15, 172988141880173.	1.3	9
1405	Linear Active Disturbance Rejection Control From the Practical Aspects. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2909-2919.	3.7	61
1406	Extended State Observer for Nuclear Reactors. , 2018, , .		0
1407	Cascade compound controller for direct-drive gear shift modules in automated mechanical transmission. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	1
1408	On stability for sampled-data nonlinear ADRC-based control system with application to the ball-beam problem. Journal of the Franklin Institute, 2018, 355, 8537-8553.	1.9	8
1409	Composite Hierarchical Anti-Disturbance Control with Multisensor Fusion for Compact Optoelectronic Platforms. Sensors, 2018, 18, 3190.	2.1	7
1410	Design of linear active disturbance rejection controller for airborne optical electro tracking platform. , 2018, , .		1
1411	Energy Efficiency and Tracking Performance Evaluation for Dual-Mode Model Predictive Control of HVAC Systems. Journal of Thermal Science and Engineering Applications, 2018, 10, .	0.8	3
1412	Comparison of performance between PID and LADRC algorithm in linear motion platform. , 2018, , .		1
1413	Unknown input observer-based robust adaptive funnel motion control for nonlinear servomechanisms. International Journal of Robust and Nonlinear Control, 2018, 28, 6163-6179.	2.1	47
1414	Practical Validation of the Reduced-Order Active Disturbance Rejection Controller for the Delay-Dominated Processes. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1415	Feedback linearization control for HRV attitude control based on high order disturbance observer. , 2018, , .		0
1416	Accurate and Efficient Positioning of Ground Based Telescope Using Tracking Differentiator with an Adaptive Parameter. , 2018, , .		1
1417	A Comparison Study of a High Order System with Different ADRC Control Strategies. , 2018, , .		6
1418	An Unbiased Active Disturbance Rejection Control Approach for Near Space Vehicle Autopilot. , 2018, , .		0
1419	On Disturbance Rejection for a Class of Nonlinear Systems. Complexity, 2018, 2018, 1-14.	0.9	3
1420	Active-Current Control of Large-Scale Wind Turbines for Power System Transient Stability Improvement Based on Perturbation Estimation Approach. Energies, 2018, 11, 1995.	1.6	7
1421	Output feedback stabilization for a cascaded heat PDEâ€ODE system subject to uncertain disturbance. International Journal of Robust and Nonlinear Control, 2018, 28, 5173-5190.	2.1	11
1422	Active fault tolerant control of wind turbine systems based on DFIC with actuator fault and disturbance using Takagiâ€Sugeno fuzzy model. Journal of the Franklin Institute, 2018, 355, 8194-8212.	1.9	20
1423	UAV Broken-Line Path Following under Disturbance Conditions. Journal of Aerospace Engineering, 2018, 31, 04018089.	0.8	10
1424	Path following control for underactuated surface vessel with disturbance. , 2018, , .		5
1425	Tracking Control of Chaotic Systems via Optimized Active Disturbance Rejection Control. Mathematical Problems in Engineering, 2018, 2018, 1-10.	0.6	2
1426	Robust Output Control of an Uncertain Underactuated 2DOF Mass-Spring-Damper System with Backlash Based on Active Disturbance Rejection Control Structure. Mathematical Problems in Engineering, 2018, 2018, 1-10.	0.6	6
1427	Cooperative Control of Multiple Nonholonomic Robots for Escorting and Patrolling Mission Based on Vector Field. IEEE Access, 2018, 6, 41883-41891.	2.6	15
1428	Acoustic impedance tuning with active disturbance rejection control. Journal of Low Frequency Noise Vibration and Active Control, 2018, 37, 1109-1124.	1.3	1
1429	Active Disturbance Rejection Control of a Coupled-Tank System. Journal of Engineering (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18 0.5	0.5	5
1430	Large-Signal Stabilization of Three-Phase VSR with Constant Power Load. Energies, 2018, 11, 1706.	1.6	1
1431	Robust Active Disturbance Rejection Control via Control Lyapunov Functions: Application to Actuated-Ankleâ€Foot-Orthesis. Control Engineering Practice, 2018, 80, 49-60.	3.2	42
1432	A least mean square based active disturbance rejection control for an inertially stabilized platform. Optik, 2018, 174, 609-622.	1.4	24



#	ARTICLE	IF	CITATIONS
1433	On Arc Tooth Position Marker Based on Compensation Active Disturbance Rejection Algorithm. , 2018, , .		0
1434	Taxiing Control of Full-wing Solar-powered UAV by Using Differential Propeller Thrust. , 2018, , .		0
1435	Linear Active Disturbance Rejection Control Based on UKF Identification. , 2018, , .		1
1436	Formation Control for High-Order Multi-agent Systems with Unknown Dynamics. , 2018, , .		0
1437	Cascaded Active Disturbance Rejection Control for Near space Vehicle Autopilot. , 2018, , .		0
1438	Robust Stabilization Control for Attitude Angular Speeds of Strong-Coupling Aircraft Based on a Class of ESO. , 2018, , .		1
1439	6-DOF Formation Keeping Control for Three-Craft Electromagnetic Formation with Triangular Invariant Shape. , 2018, , .		0
1440	Analysis and Control of Real-Time DC Servo System Using Linear ADRC. , 2018, , .		0
1441	Global fast terminal sliding mode guidance law for maneuvering target interception. , 2018, , .		0
1442	Chaotic grey wolf optimization-based active disturbance rejection control applied to quadrotor trajectory tracking. , 2018, , .		0
1443	ESO-based Line-of-Sight Guidance Law for Path Following of Air Cushion Vehicle with Exact Drift Angle Compensation. , 2018, , .		0
1444	Design of active disturbance rejection controller for compass-like biped walking. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877684.	1.3	2
1445	Decentralized low-order ADRC design for MIMO system with unknown order and relative degree. Personal and Ubiquitous Computing, 2018, 22, 987-1004.	1.9	6
1446	Aeroelastic and Trajectory Control of High Altitude Long Endurance Aircraft. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2992-3003.	2.6	20
1447	Speed control for permanent magnet synchronous motor based on an improved extended state observer. Advances in Mechanical Engineering, 2018, 10, 168781401774766.	0.8	17
1448	The nonlinear equivalent input disturbance-coordinated control for a multi-machine power system to enhance small signal and transient stability. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1430-1439.	0.8	3
1449	On the Robustness and Reliability in the Pose Deformation System of Mobile Robots. IEEE Access, 2018, 6, 29747-29756.	2.6	7
1450	In-flight compound homing methodology of parafoil delivery systems under multiple constraints. Aerospace Science and Technology, 2018, 79, 85-104.	2.5	18

#	ARTICLE	IF	CITATIONS
1451	Design and control of a novel variable stiffness soft arm. <i>Advanced Robotics</i> , 2018, 32, 605-622.	1.1	17
1452	Generalized Extended State Observer Based High Precision Attitude Control of Quadrotor Vehicles Subject to Wind Disturbance. <i>IEEE Access</i> , 2018, 6, 32349-32359.	2.6	59
1453	A Generalized Extended State Observer for Supercapacitor State of Energy Estimation With Online Identified Model. <i>IEEE Access</i> , 2018, 6, 27706-27716.	2.6	12
1454	Toward Event-Triggered Extended State Observer. <i>IEEE Transactions on Automatic Control</i> , 2018, 63, 1842-1849.	3.6	86
1455	The Research on Second-Order ADRC Algorithm of Using Wind Turbine Virtual Inertia to Participate in Primary Frequency Regulation in a Small Stand-Alone Microgrid. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-13.	0.6	0
1456	Trajectory tracking control of WMRs with lateral and longitudinal slippage based on active disturbance rejection control. <i>Robotics and Autonomous Systems</i> , 2018, 107, 236-245.	3.0	33
1457	Finite-time model-assisted active disturbance rejection control with a novel parameters optimizer for hypersonic reentry vehicle subject to multiple disturbances. <i>Aerospace Science and Technology</i> , 2018, 79, 588-600.	2.5	24
1458	Generalized-Disturbance Rejection Control for Vibration Suppression of Piezoelectric Laminated Flexible Structures. <i>Shock and Vibration</i> , 2018, 2018, 1-17.	0.3	5
1459	Passivity-Based Control for Rocket Launcher Position Servo System Based on ADRC Optimized by IPSO-BP Algorithm. <i>Shock and Vibration</i> , 2018, 2018, 1-14.	0.3	4
1460	Attitude control precision analysis for hypersonic vehicles based on covariance analysis describing equation technique. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401876944.	0.8	1
1461	PSO-Based Active Disturbance Rejection Control for Position Control of Magnetic Levitation System. , 2018, , .		24
1462	Active Fault Tolerant Control Based on a Novel Tracking Differentiator for Elevating Stage Control System. <i>Journal of Control Science and Engineering</i> , 2018, 2018, 1-10.	0.8	1
1463	Activeâ€œdisturbanceâ€œrejectionâ€œcontrol and fractionalâ€œorderâ€œproportionalâ€œintegralâ€œderivative hybrid control for hydroturbine speed governor system. <i>Measurement and Control</i> , 2018, 51, 192-201.	0.9	27
1464	Extended State Observer-Based Robust Backstepping Sliding Mode Control for a Small-Size Helicopter. <i>IEEE Access</i> , 2018, 6, 33480-33488.	2.6	28
1465	Global robust tracking control for a class of cascaded nonlinear systems using a reduced-order extended state observer. <i>Nonlinear Dynamics</i> , 2018, 94, 1277-1289.	2.7	9
1466	A novel control scheme for quadrotor UAV based upon active disturbance rejection control. <i>Aerospace Science and Technology</i> , 2018, 79, 601-609.	2.5	175
1467	Active disturbance rejection boundary control of Timoshenko beam with tip mass. <i>ISA Transactions</i> , 2018, 80, 221-231.	3.1	14
1468	Stable adaptive NSOF domain FOPID controller for a class of nonâ€œlinear systems. <i>IET Control Theory and Applications</i> , 2018, 12, 1402-1413.	1.2	7

#	ARTICLE	IF	CITATIONS
1469	Improved ADRC With ILC Control of a CCD-Based Tracking Loop for Fast Steering Mirror System. IEEE Photonics Journal, 2018, 10, 1-14.	1.0	17
1470	Performance optimization of linear active disturbance rejection control approach by modified bat inspired algorithm for single area load frequency control concerning high wind power penetration. ISA Transactions, 2018, 81, 163-176.	3.1	28
1471	Linear ADRC direct current control of grid-connected inverter with LCL filter for both active damping and grid voltage induced current distortion suppression. IET Power Electronics, 2018, 11, 1748-1755.	1.5	28
1472	Enhancement of disturbance rejection performance of uncertain input delay systems: a disturbance predictor approach. IET Control Theory and Applications, 2018, 12, 1673-1682.	1.2	5
1473	Collision detection and identification for robot manipulators based on extended state observer. Control Engineering Practice, 2018, 79, 144-153.	3.2	74
1474	Output feedback based sliding mode control for disturbed motion control systems via a higher order ESO approach. IET Control Theory and Applications, 2018, 12, 2118-2126.	1.2	34
1475	Novel Moving Mass Flight Vehicle and Its Equivalent Experiment. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	6
1476	Data driven control for a class of nonlinear systems with output saturation. ISA Transactions, 2018, 81, 1-7.	3.1	33
1477	Adaptive Barrier Control for Nonlinear Servomechanisms with Friction Compensation. Complexity, 2018, 2018, 1-10.	0.9	3
1478	Disturbance rejection control of air-fuel ratio with transport-delay in engines. Control Engineering Practice, 2018, 79, 36-49.	3.2	27
1479	Gust response stabilization for rigid aircraft with multi-control-effectors based on a novel integrated control scheme. Aerospace Science and Technology, 2018, 79, 625-635.	2.5	9
1480	Tracking control of uncertain time delay systems: An ADRC approach. Control Engineering Practice, 2018, 78, 97-104.	3.2	20
1481	On Convergence of Extended State Observer for a Class of MIMO Uncertain Stochastic Nonlinear Systems. IEEE Access, 2018, 6, 37758-37766.	2.6	5
1482	Robust Sliding Mode Control of PMSM Based on Rapid Nonlinear Tracking Differentiator and Disturbance Observer. Sensors, 2018, 18, 1031.	2.1	35
1483	The Facilitation of a Sustainable Power System: A Practice from Data-Driven Enhanced Boiler Control. Sustainability, 2018, 10, 1112.	1.6	10
1484	Active-Reactive Additional Damping Control of a Doubly-Fed Induction Generator Based on Active Disturbance Rejection Control. Energies, 2018, 11, 1314.	1.6	10
1485	Speed control for K-mirror of 2-m telescope using improved active disturbance rejection controller. Measurement: Journal of the International Measurement Confederation, 2018, 129, 245-255.	2.5	7
1486	Flatness-based adaptive sliding mode tracking control for a quadrotor with disturbances. Journal of the Franklin Institute, 2018, 355, 6300-6322.	1.9	47

#	ARTICLE	IF	CITATIONS
1487	Active Disturbance Rejection Control of <i>LCL</i> -Filtered Grid-Connected Inverter Using Padé Approximation. IEEE Transactions on Industry Applications, 2018, 54, 6179-6189.	3.3	79
1488	Harmonic Extended State Observer Based Anti-Swing Attitude Control for Quadrotor with Slung Load. Electronics (Switzerland), 2018, 7, 83.	1.8	23
1489	An AHP based optimized tuning of Modified Active Disturbance Rejection Control: An application to power system load frequency control problem. ISA Transactions, 2018, 81, 286-305.	3.1	15
1490	Active disturbance rejection control with input prediction for systems with time-delay. , 2018, , .		0
1491	Enhancing Station-Keeping Control With the Use of Extended State Observers. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	0.7	2
1492	A Generalized Observer for Estimating Fast-Varying Disturbances. IEEE Access, 2018, 6, 28054-28063.	2.6	24
1493	Finite Frequency Vibration Suppression for Space Flexible Structures in Tip Position Control. International Journal of Control, Automation and Systems, 2018, 16, 1021-1029.	1.6	10
1494	A data-driven online ADP control method for nonlinear system based on policy iteration and nonlinear MIMO decoupling ADRC. Neurocomputing, 2018, 310, 28-37.	3.5	7
1495	Dual Mode Control of a Three-Phase Inverter Using Minimum Variance Adaptive Architecture. IEEE Transactions on Industry Applications, 2018, 54, 3868-3880.	3.3	26
1496	Adaptive Dynamic Surface Output Feedback Control of Pure-Feedback Systems With Non-linear Dead-Zone. , 2018, , 177-192.		0
1497	Sliding-mode consensus algorithms for disturbed second-order multi-agent systems. Journal of the Franklin Institute, 2018, 355, 7443-7465.	1.9	34
1498	Trajectory Tracking for an Inverted Pendulum on a Cart: An Active Disturbance Rejection Control Approach. , 2018, , .		10
1499	Research on Variable Steering Ratio Control Strategy of Steer-by-Wire System. , 0, , .		8
1500	DC Bus Voltage Regulation Strategy for Modular Super Capacitor Energy Storage Based on Extended State Observer. , 2018, , .		0
1501	A new control approach to improve the dynamic performance and ride through capability of PMSG wind energy system. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	4
1502	Adaptive trajectory tracking controller design for a quadrotor UAV with payload variation. International Journal of Intelligent Computing and Cybernetics, 2018, 11, 496-510.	1.6	10
1503	Attitude-constrained reorientation control for spacecraft based on extended state observer. Advances in Mechanical Engineering, 2018, 10, 168781401879452.	0.8	3
1504	Sliding Mode Control with Disturbance Rejection for Piezoelectric Nanopositioning Control. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
1505	Extended state observer-based attitude fault-tolerant control of rigid spacecraft. International Journal of Systems Science, 2018, 49, 2525-2535.	3.7	11
1506	Analyses of four active disturbance rejection control based schemes for systems with time-delay. , 2018, , .		0
1507	Tracking Differentiator via Time Criterion. , 2018, , .		5
1508	On the Robust Flat-Filtering Control of MIMO nonlinear systems: The PMSM Experimental Case Study. , 2018, , .		2
1509	Super-Twisting Extended State Observer and Sliding Mode Controller for Quadrotor UAV Attitude System in Presence of Wind Gust and Actuator Faults. Electronics (Switzerland), 2018, 7, 128.	1.8	23
1510	Exponential regulation of the anti-collocatedly disturbed cage in a wave PDE-modeled ascending cable elevator. Automatica, 2018, 95, 122-136.	3.0	41
1511	Similarity analysis of disturbance observer and active disturbance rejection control for typical motor-driven system. , 2018, , .		1
1512	Absolute stability analysis of nonlinear active disturbance rejection control for electromagnetic valve actuator system via linear matrix inequality method. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 1134-1145.	0.7	1
1513	Stabilization of a class of switched uncertain systems by active disturbance rejection control. Transactions of the Institute of Measurement and Control, 2018, 40, 4421-4431.	1.1	6
1514	Performance of an active disturbance rejection control on a simulated continuous microalgae photobioreactor. Computers and Chemical Engineering, 2018, 117, 129-144.	2.0	10
1515	Robust Active Disturbance Rejection Control for LVRT capability enhancement of DFIG-based wind turbines. Control Engineering Practice, 2018, 77, 174-189.	3.2	26
1516	Extended state observer based control for generic hypersonic vehicles with nonaffine-in-control character. ISA Transactions, 2018, 80, 127-136.	3.1	15
1517	A novel maximum torque per ampere and active disturbance rejection control considering core saturation for induction motor. , 2018, , .		3
1518	Guaranteed-cost active disturbance rejection control for uncertain systems with an integral controller. International Journal of Systems Science, 2018, 49, 2012-2024.	3.7	15
1519	Using an Active Disturbance Rejection Decoupling Control Algorithm to Improve Operational Performance for Underwater Glider Applications. Journal of Coastal Research, 2018, 34, 724.	0.1	9
1520	Adaptive Cooperative Tracking Control of Multi-Agent Systems With Unknown Actuators Hysteresis. IEEE Access, 2018, 6, 33015-33028.	2.6	4
1521	On comparison of modified ADRCs for nonlinear uncertain systems with time delay. Science China Information Sciences, 2018, 61, 1.	2.7	82
1522	Disturbance rejection dynamic inverse control of air-breathing hypersonic vehicles. Acta Astronautica, 2018, 151, 348-356.	1.7	16

#	ARTICLE	IF	CITATIONS
1523	Novel Adaptive Saturated Attitude Tracking Control of Rigid Spacecraft with Guaranteed Transient and Steady-State Performance. <i>Journal of Aerospace Engineering</i> , 2018, 31, .	0.8	13
1524	Tracking Control of Manipulator Based on High-Order Disturbance Observer. <i>IEEE Access</i> , 2018, 6, 26753-26764.	2.6	27
1525	A Robust Fractional Order Parallel Control Structure for Flow Control using a Pneumatic Control Valve with Nonlinear and Uncertain Dynamics. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 2597-2611.	1.7	20
1526	A Simple Discrete-Time Tracking Differentiator and Its Application to Speed and Position Detection System for a Maglev Train. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 1728-1734.	3.2	36
1527	Design of Magnetic Bearing Control System Based on Active Disturbance Rejection Theory. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	14
1528	State observer for linear system with unknown input disturbance and sampled and delayed output with measurement noise. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 749-759.	1.1	2
1529	Adaptive Robust Triple-Step Control for Compensating Cogging Torque and Model Uncertainty in a DC Motor. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 2396-2405.	5.9	24
1530	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.	5.2	40
1531	Adaptive Sliding Mode Disturbance Observer-Based Composite Control With Prescribed Performance of Space Manipulators for Target Capturing. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 1973-1983.	5.2	217
1532	Spatial trajectory tracking control for unmanned airships based on active disturbance rejection control. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 2231-2240.	0.7	6
1533	Active Disturbance Rejection Controller for Speed Control of Electrical Drives Using Phase-Locking Loop Observer. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 1748-1759.	5.2	108
1534	Semi-Global Finite-Time Output-Feedback Stabilization With an Application to Robotics. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 3148-3156.	5.2	23
1535	Robust Flux Estimation Method for Linear Induction Motors Based on Improved Extended State Observers. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 4628-4640.	5.4	42
1536	A Sampled-Data Approach to Nonlinear ESO-Based Active Disturbance Rejection Control for Pneumatic Muscle Actuator Systems with Actuator Saturations. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 4608-4617.	5.2	42
1537	Angle Tracking Adaptive Backstepping Control for a Mechanism of Pneumatic Muscle Actuators via an AESO. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 4566-4576.	5.2	55
1538	Load frequency regulation using observer based non-linear sliding mode control. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 104, 178-193.	3.3	66
1539	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.	8.5	31
1540	Coupling analysis of a new skin effect electric heat tracing system for deep water heavy oil pipeline. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 61, 633-647.	0.3	2

#	ARTICLE	IF	CITATIONS
1541	A Speed Tracking Method for Autonomous Driving via ADRC with Extended State Observer. Applied Sciences (Switzerland), 2019, 9, 3339.	1.3	13
1542	Improved Continuous Fast Terminal Sliding Mode Control With Extended State Observer for Speed Regulation of PMSM Drive System. IEEE Transactions on Vehicular Technology, 2019, 68, 10465-10476.	3.9	106
1543	Sliding Mode Control of Converter-fed DC Motor with Mismatched Load Torque Compensation. , 2019, , .		9
1544	Adaptive superâ€twisting sliding mode control of threeâ€phase power rectifiers in active front end applications. IET Control Theory and Applications, 2019, 13, 1483-1490.	1.2	15
1545	A Robust LESO-based DC-Link Voltage Controller for Variable Speed Hydro-Electric Plants. , 2019, , .		6
1546	Control of Induction Motor Drive based on ADRC and Inertia Estimation. , 2019, , .		7
1547	Model-assisted Linear Extended State Observer for Opto-Electronic Stabilized Platform. , 2019, , .		0
1548	Design of Optimal Ship Steering Active Disturbance Rejection Controller Based on Adaptive Particle Swarm Optimization. , 2019, , .		2
1549	Developing a Virtual Stiffness-Damping System for Airfoil Aeroelasticity Testing. , 2019, , .		1
1550	A Composite Strategy for Harmonic Compensation in Standalone Inverter Based on Linear Active Disturbance Rejection Control. Energies, 2019, 12, 2618.	1.6	10
1551	Nonlinear control of unmanned aerial vehicles with cable suspended payloads. Aerospace Science and Technology, 2019, 93, 105299.	2.5	27
1552	Cooperative integrated practical time-varying formation tracking and control for multiple missiles system. Aerospace Science and Technology, 2019, 93, 105300.	2.5	23
1553	Timeâ€inâ€action RL. IET Cyber-Systems and Robotics, 2019, 1, 28-37.	1.1	1
1554	Design of Augmented Nonlinear PD Controller of Delta/Par4-Like Robot. Journal of Control Science and Engineering, 2019, 2019, 1-11.	0.8	17
1555	Gain scheduling design based on active disturbance rejection control for thermal power plant under full operating conditions. Energy, 2019, 185, 744-762.	4.5	43
1556	Spatial Path-Following Control of Underactuated AUV With Multiple Uncertainties and Input Saturation. IEEE Access, 2019, 7, 98014-98022.	2.6	13
1557	Direct Torque and Suspension Force Control for Bearingless Induction Motors Based on Active Disturbance Rejection Control Scheme. IEEE Access, 2019, 7, 86989-87001.	2.6	14
1558	Robust adaptive maneuvering control for an unmanned surface vessel with uncertainties. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 1226-1235.	0.8	5

#	ARTICLE	IF	CITATIONS
1559	Active disturbance rejection generalized predictive control for a high purity distillation column process with time delay. Canadian Journal of Chemical Engineering, 2019, 97, 2941-2951.	0.9	12
1560	Active disturbance rejection control of DC-DC boost converter: a review with modifications for improved performance. IET Power Electronics, 2019, 12, 2095-2107.	1.5	47
1561	Online Shape Modification of Molecular Weight Distribution Based on the Principle of Active Disturbance Rejection Controller. IEEE Access, 2019, 7, 53163-53171.	2.6	1
1562	IMC-based PID control of servo motors with extended state observer. Mechatronics, 2019, 62, 102252.	2.0	22
1563	An active method suppressing rolling mill vibration: disturbance estimation and compensation algorithm. Journal of Iron and Steel Research International, 2019, 26, 697-703.	1.4	9
1564	Tracking control via switched Integral Sliding Mode with application to robot manipulators. Control Engineering Practice, 2019, 90, 257-266.	3.2	27
1565	Control of a Multiphase Buck Converter, Based on Sliding Mode and Disturbance Estimation, Capable of Linear Large Signal Operation. Energies, 2019, 12, 2790.	1.6	5
1566	Practical disturbance rejection control for boiler-turbine unit with input constraints. Applied Thermal Engineering, 2019, 161, 114184.	3.0	13
1567	Modified linear active disturbance rejection control for microgrid inverters: Design, analysis, and hardware implementation. International Transactions on Electrical Energy Systems, 2019, 29, e12060.	1.2	4
1568	State and Disturbance Estimator for Unstable Reaction-Advection-Diffusion PDE with Boundary Disturbance. , 2019, , 67-74.		1
1569	Stabilisability analysis and design of UDE-based robust control. IET Control Theory and Applications, 2019, 13, 1445-1453.	1.2	8
1570	RISE based active vibration control for the flexible refueling hose. Aerospace Science and Technology, 2019, 92, 387-404.	2.5	13
1571	Disturbance Rejection Through Adaptive Frequency Estimation Observer for Wind-Solar Integrated AC Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 6035-6047.	7.2	19
1572	Data-Driven Digital Direct Position Servo Control by Neural Network With Implicit Optimal Control Law Learned From Discrete Optimal Position Tracking Data. IEEE Access, 2019, 7, 126962-126972.	2.6	9
1573	A Novel Strategy Based on Linear Active Disturbance Rejection Control for Harmonic Detection and Compensation in Low Voltage AC Microgrid. Energies, 2019, 12, 3982.	1.6	8
1574	Output feedback control for aircraft at high angle of attack based upon fixed-time extended state observer. Aerospace Science and Technology, 2019, 95, 105468.	2.5	24
1575	A Lateral-Directional Control Method for High Aspect Ratio Full-Wing UAV and Flight Tests. Applied Sciences (Switzerland), 2019, 9, 4236.	1.3	5
1576	Precise Flowrate Control of Fluid Gear Pumps in Automated Painting Systems Using a Repetitive Controller. Applied Sciences (Switzerland), 2019, 9, 3413.	1.3	3



#	ARTICLE	IF	CITATIONS
1577	Impact of Electrically Assisted Turbocharger on the Intake Oxygen Concentration and Its Disturbance Rejection Control for a Heavy-duty Diesel Engine. <i>Energies</i> , 2019, 12, 3014.	1.6	6
1578	A Sliding Mode Control with Nonlinear Fractional Order PID Sliding Surface for the Speed Operation of Surface-Mounted PMSM Drives Based on an Extended State Observer. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	0.6	20
1579	Robust distributed model predictive control for systems of parallel structure within process networks. <i>Journal of Process Control</i> , 2019, 82, 70-90.	1.7	7
1580	Design of Bidirectional DC-DC Converter Control Based on Arrange the Transition Process. , 2019, , .		1
1581	Vertical Dynamics of Voice Coil Motor Active Suspension with Active Disturbance Rejection Control. , 2019, , .		0
1582	On vibration suppression and trajectory tracking in largely uncertain torsional system: An error-based ADRC approach. <i>Mechanical Systems and Signal Processing</i> , 2019, 134, 106300.	4.4	46
1583	Improved Current Decoupling Method for Robustness Improvement of LCL-type STATCOM Based on Active Disturbance Rejection Control. <i>IEEE Access</i> , 2019, 7, 121781-121792.	2.6	18
1584	A New Mechanical Resonance Suppression Method for Large Optical Telescope by Using Nonlinear Active Disturbance Rejection Control. <i>IEEE Access</i> , 2019, 7, 94400-94414.	2.6	12
1585	Stabilization Control Method for Two-Axis Inertially Stabilized Platform Based on Active Disturbance Rejection Control With Noise Reduction Disturbance Observer. <i>IEEE Access</i> , 2019, 7, 99521-99529.	2.6	27
1586	Optimal Control of a 3-axis Helmholtz Coils System for Generation of Dynamic Magnetic Field Waveforms with High Accuracy. , 2019, , .		2
1587	Path tracking control for a robot-trailer system in the presence of measurement bias. , 2019, , .		1
1588	Research on Linear Active Disturbance Rejection Control in DC/DC Boost Converter. <i>Electronics (Switzerland)</i> , 2019, 8, 1249.	1.8	14
1589	ESO-based fault-tolerant anti-disturbance control for air-breathing hypersonic vehicles with variable geometry inlet. <i>Nonlinear Dynamics</i> , 2019, 98, 2293-2308.	2.7	9
1590	Decoupled control scheme for output tracking of a general industrial nonlinear MIMO system using improved active disturbance rejection scheme. <i>AEJ - Alexandria Engineering Journal</i> , 2019, 58, 1145-1156.	3.4	15
1591	Fully distributed consensus for general linear multi-agent systems with unknown external disturbances. <i>IET Control Theory and Applications</i> , 2019, 13, 2595-2609.	1.2	21
1592	Coordinated Control of Underwater Biomimetic Vehicle's Manipulator System for Free Floating Autonomous Manipulation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4793-4803.	5.9	24
1593	Prediction-Based Seabed Terrain Following Control for an Underwater Vehicle-Manipulator System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 4751-4760.	5.9	17
1594	ADRC vs LADRC for quadrotor UAV with wind disturbances. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
1595	High Precision Position Control of Telescope Servo Systems Based on Active Disturbance Rejection Controller. , 2019, , .		1
1596	The Contrastive Analysis of Control of Microgrid Inverter. , 2019, , .		0
1597	Extended High Gain Observer-Based Sliding Mode Control for an Electro-hydraulic System with a Variant Payload. International Journal of Precision Engineering and Manufacturing, 2019, 20, 2089-2100.	1.1	17
1598	DC-Link Voltage Control of Neutral Point Clamped Power Converters Using Extended State Observer. , 2019, , .		1
1599	Attitude Tracking Control for a Quadrotor via backstepping and Adaptive Dynamic Programming. , 2019, , .		1
1600	The Stabilisation of a Heat System with Input Delay and Control Matched Disturbance. , 2019, , .		0
1601	On the Synthesis of Finite Frequency Internal-Model-Based H-infinity Controllers For Continuous-Time Linear Systems. , 2019, , .		0
1602	Output Voltage Control of Soft-Switching DC-DC Converter. , 2019, , .		7
1603	Control of interleaved DC-DC boost converter based on extended state observer for fuel cell application. , 2019, , .		3
1604	Output feedback stabilization of a cascade ODE-Schrödinger system subject to external unknown disturbance. , 2019, , .		0
1605	The Research of Handheld Stabilization System Based on Active Disturbance Rejection Control Strategy. , 2019, , .		1
1606	Dynamic Modeling and Robust Control by ADRC of Grid-Connected Hybrid PV-Wind Energy Conversion System. Mathematical Problems in Engineering, 2019, 2019, 1-19.	0.6	15
1607	Partial integrated guidance and control design for supersonic missile based on disturbance rejection. Measurement and Control, 2019, 52, 1445-1460.	0.9	4
1608	Anti-windup Active Disturbance Rejection Control and its Application to Antenna Servo Systems. , 2019, , .		0
1609	Performance output tracking for coupled wave equations with unmatched boundary disturbance. Journal of the Franklin Institute, 2019, 356, 6280-6302.	1.9	1
1610	Output feedback control of electro-hydraulic servo actuators with matched and mismatched disturbances rejection. Journal of the Franklin Institute, 2019, 356, 9152-9179.	1.9	60
1611	Nonlinear Extended State Observer Based on Output Feedback Control for a Manipulator With Time-Varying Output Constraints and External Disturbance. IEEE Access, 2019, 7, 156860-156870.	2.6	31
1612	Linear Active Disturbance Rejection Control for Nonaffine Strict-Feedback Nonlinear Systems. IEEE Access, 2019, 7, 120030-120040.	2.6	2

#	ARTICLE	IF	CITATIONS
1613	Continuous Full-Order Nonsingular Terminal Sliding Mode Control for Systems With Matched and Mismatched Disturbances. IEEE Access, 2019, 7, 130970-130976.	2.6	9
1614	Adaptive Backstepping Sliding Mode Control for the Oscillation Displacement System of Continuous Casting Mold With Mismatched Disturbances. IEEE Access, 2019, 7, 148731-148740.	2.6	5
1615	Active Disturbance Rejection Controller Based Time-Varying Formation Tracking for Second-Order Multi-Agent Systems With External Disturbances. IEEE Access, 2019, 7, 153317-153326.	2.6	6
1616	High-order LTD Based Predictive LADRC for Uncertain Systems with Time Delay. , 2019, , .		2
1617	Active disturbance rejection time-varying formation control for multi-agent systems with disturbances. , 2019, , .		1
1618	Glucose Regulation for Subjects with Type 1 Diabetes Using Active Disturbance Rejection Control. , 2019, , .		3
1619	The Temperature Control of Blackbody Radiation Source Based on IMC-PID. , 2019, , .		2
1620	Synchronization of Industrial Plant and Digital Twin. , 2019, , .		18
1621	Robust disturbance rejection controller for systems with uncertain parameters. IET Control Theory and Applications, 2019, 13, 1995-2007.	1.2	11
1622	Control Strategy and Simulation for Oxygen Supply System with Wearable Oxygen Mask. , 2019, , .		0
1623	Extended-state-observer-based output feedback adaptive control of hydraulic system with continuous friction compensation. Journal of the Franklin Institute, 2019, 356, 8414-8437.	1.9	29
1624	Robust Control of a Interleaved Boost Converter Which Feeds a Constant Power Load for Electric Vehicles. , 2019, , .		3
1625	Design and Implementation of an Efficient Tracking Differentiator. IEEE Access, 2019, 7, 101941-101949.	2.6	10
1626	Disturbance Observer-Based Adaptive Current Control With Self-Learning Ability to Improve the Grid-Injected Current for LCL-Filtered Grid-Connected Inverter. IEEE Access, 2019, 7, 105376-105390.	2.6	18
1627	Heading Control of Unmanned Surface Vehicle With Variable Output Constraint Model-Free Adaptive Control Algorithm. IEEE Access, 2019, 7, 131008-131018.	2.6	11
1628	Higher-Order State and Disturbance Observer With $O(T^3)$ Errors for Linear Systems. IEEE Access, 2019, 7, 102812-102819.	2.6	1
1629	A Novel Robust ADRC Control Strategy of a PMSG Based Wind Energy Conversion System. , 2019, , .		1
1630	An Improved Deadbeat Control Method for Single-Phase PWM Rectifiers in Charging System for EVs. IEEE Transactions on Vehicular Technology, 2019, 68, 9672-9681.	3.9	45

#	ARTICLE	IF	CITATIONS
1631	High-Order ESO-Based Voltage Control for High-Gain DC-DC Floating Interleaved Boost Converter with Time-Varying Disturbance. , 2019, , .		5
1632	High Precision Adaptive Robust Neural Network Control of a Servo Pneumatic System. Applied Sciences (Switzerland), 2019, 9, 3472.	1.3	7
1633	Tuning of Active Disturbance Rejection Control with application to power plant furnace regulation. Control Engineering Practice, 2019, 92, 104122.	3.2	54
1634	Virtual Dual-Loop Feedback Control with Model-Construction Linear Extended State Observer for Free Space Optical Communication. Sensors, 2019, 19, 3846.	2.1	5
1635	Sensorless-Based Active Disturbance Rejection Control for a Wind Energy Conversion System With Permanent Magnet Synchronous Generator. IEEE Access, 2019, 7, 122663-122674.	2.6	28
1636	Event-Triggered Sampled-Data Control: An Active Disturbance Rejection Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2052-2063.	3.7	31
1637	Development of a strain gauge based disturbance estimation and compensation technique for a wheeled inverted pendulum robot. , 2019, , .		0
1638	Generalized active disturbance rejection control for the boiler-turbine unit using multi-objective optimization and extended state observer. MATEC Web of Conferences, 2019, 272, 01002.	0.1	0
1639	Research on Power Transmission Capability of VSC-HVDC Based on Second Order LADRC. Energy Procedia, 2019, 158, 2592-2598.	1.8	1
1640	Comparison of Disturbance Rejection with Derivative State Feedback and Active Disturbance Rejection Control: Case Study. , 2019, , .		0
1641	Extended State Observer Based Flatness Control for Fuel Cell Output Series Interleaved Boost Converter. IEEE Transactions on Industry Applications, 2019, 55, 6427-6437.	3.3	36
1642	Stability analysis of the high-order nonlinear extended state observers for a class of nonlinear control systems. Transactions of the Institute of Measurement and Control, 2019, 41, 4370-4379.	1.1	11
1643	A New Switching Nonlinear Extended State Observer. , 2019, , .		0
1644	An Advanced Robust Noise Suppression Control of Bidirectional DC-DC Converter for Fuel Cell Electric Vehicle. IEEE Transactions on Transportation Electrification, 2019, 5, 1268-1278.	5.3	44
1645	Leader-Follower Formation Control of Unmanned Aerial Vehicles Based on Active Disturbances Rejection Control. , 2019, , .		5
1646	Indirect robust suboptimal control of two-satellite electromagnetic formation reconfiguration with geomagnetic effect. Advances in Space Research, 2019, 64, 2331-2344.	1.2	7
1647	A Control Strategy for Smooth Power Tracking of a Grid-Connected Virtual Synchronous Generator Based on Linear Active Disturbance Rejection Control. Energies, 2019, 12, 3024.	1.6	4
1648	Research into the Automatic Berthing of Underactuated Unmanned Ships under Wind Loads Based on Experiment and Numerical Analysis. Journal of Marine Science and Engineering, 2019, 7, 300.	1.2	17

#	ARTICLE	IF	CITATIONS
1649	Novel docking controller for autonomous aerial refueling with probe direct control and learning-based preview method. <i>Aerospace Science and Technology</i> , 2019, 94, 105403.	2.5	26
1650	A novel non-singular terminal sliding mode control-based integrated missile guidance and control with impact angle constraint. <i>Aerospace Science and Technology</i> , 2019, 94, 105368.	2.5	43
1651	Adaptive super-twisting sliding mode control for stabilization platform of laser seeker based on extended state observer. <i>Optik</i> , 2019, 199, 163337.	1.4	14
1652	Finite-Time Active Disturbance Rejection Control Based on High-Order Sliding Mode. , 2019, , .		0
1653	Extended state observer-based control for systems with locally Lipschitz uncertainties: LMI-based stability conditions. <i>Systems and Control Letters</i> , 2019, 134, 104526.	1.3	11
1654	Soft-Switching Proximate Time Optimal Heading Control for Underactuated Autonomous Underwater Vehicle. <i>IEEE Access</i> , 2019, 7, 143233-143249.	2.6	12
1655	Analysis and Tuning for Active Disturbance Rejection Control. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-11.	0.6	4
1656	Extended State Observer-Based Sliding Mode Control of an Omnidirectional Mobile Robot With Friction Compensation. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 9480-9489.	5.2	157
1657	Asymptotically convergent switching differentiator. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 557-566.	2.3	14
1658	Design and desktop experiment of LLRF system for CYCIAE-230 superconducting cyclotron. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 921, 38-42.	0.7	2
1659	Active Disturbance Rejection Control Strategy for Grid-Connected Photovoltaic Inverter Based on Virtual Synchronous Generator. <i>IEEE Access</i> , 2019, 7, 17328-17336.	2.6	33
1660	Output Regulation for a Class of MIMO Uncertain Stochastic Nonlinear Systems by Active Disturbance Rejection Control Approach. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-12.	0.6	1
1661	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.	2.1	19
1662	Trajectory Tracking Control for Flexible-Joint Robot Based on Extended Kalman Filter and PD Control. <i>Frontiers in Neurorobotics</i> , 2019, 13, 25.	1.6	5
1663	Active Disturbance Rejection With Fast Terminal Sliding Mode Control for a Lower Limb Exoskeleton in Swing Phase. <i>IEEE Access</i> , 2019, 7, 72343-72357.	2.6	47
1664	Mittag-Leffler stabilization for an unstable time-fractional anomalous diffusion equation with boundary control matched disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 4384-4401.	2.1	33
1665	Active Tracking Control for Steer-by-Wire System With Disturbance Observer. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 5483-5493.	3.9	58
1666	Tracking Control of Serial Robot Manipulator using Active Disturbance Rejection Control. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1667	Combination of Data-Driven Active Disturbance Rejection and Takagi-Sugeno Fuzzy Control with Experimental Validation on Tower Crane Systems. <i>Energies</i> , 2019, 12, 1548.	1.6	35
1668	Cooperative attitude control for a wheel-legged robot. <i>Peer-to-Peer Networking and Applications</i> , 2019, 12, 1741-1752.	2.6	29
1669	Time-varying Barrier Lyapunov Function Based Adaptive Neural Controller Design for Nonlinear Pure-feedback Systems with Unknown Hysteresis. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 1642-1654.	1.6	33
1670	Velocity-Free Saturated Control for Hovering Over an Asteroid With Disturbance Rejection. <i>IEEE Access</i> , 2019, 7, 69292-69303.	2.6	5
1671	Water Pump Control: A Hybrid Data-Driven and Model-Assisted Active Disturbance Rejection Approach. <i>Water (Switzerland)</i> , 2019, 11, 1066.	1.2	4
1672	Mitigation of Subsynchronous Resonance in Series-Compensated DFIG Wind Farm Using Active Disturbance Rejection Control. <i>IEEE Access</i> , 2019, 7, 68812-68822.	2.6	26
1673	A linear ADRC-based robust high-dynamic double-loop servo system for aircraft electro-mechanical actuators. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 2174-2187.	2.8	33
1674	Extended PI Feedback Tracking Control for Synchronous Motors. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 1346-1358.	1.6	9
1675	Active disturbance rejection control for a pneumatic motion platform subject to actuator saturation: An extended state observer approach. <i>Automatica</i> , 2019, 107, 353-361.	3.0	69
1676	Extended state observer based adaptive sliding mode tracking control of wheeled mobile robot with input saturation and uncertainties. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 5460-5476.	1.1	25
1677	Robust Disturbance Rejection Based Control with Extended-state Resonant Observer for Sway Reduction in Uncertain Tower-cranes. <i>International Journal of Automation and Computing</i> , 2019, 16, 812-827.	4.5	13
1678	Unbalance and Harmonic disturbance attenuation of a flexible shaft with active magnetic bearings. <i>Mechanical Systems and Signal Processing</i> , 2019, 129, 614-628.	4.4	13
1679	Finite-time tracking control for uncertain robotic manipulators using backstepping method and novel extended state observer. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 172988141984465.	1.3	17
1680	Distributed Anti-Disturbance Control Strategy for Multi-Aircraft Systems With Time-Varying Topology. <i>IEEE Access</i> , 2019, 7, 26278-26293.	2.6	3
1681	Adaptive aeroservoelastic mode stabilization of flexible airbreathing hypersonic vehicle. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 2124-2142.	1.5	5
1682	Non-singular terminal sliding mode adaptive control of permanent magnet synchronous motor based on a disturbance observer. <i>Journal of Engineering</i> , 2019, 2019, 629-634.	0.6	4
1683	Variable Sampling Rate based Active Disturbance Control for a Marine Diesel Engine. <i>Electronics (Switzerland)</i> , 2019, 8, 370.	1.8	9
1684	Toolface Control Method for a Dynamic Point-the-Bit Rotary Steerable Drilling System. <i>Energies</i> , 2019, 12, 1831.	1.6	10

#	ARTICLE	IF	CITATIONS
1685	Robust integral of neural network and precision motion control of electricalâ€“optical gyro-stabilized platform with unknown input dead-zones. ISA Transactions, 2019, 95, 254-265.	3.1	6
1686	Inputâ€“state stability of an ODEâ€“heat cascade system with disturbances. IET Control Theory and Applications, 2019, 13, 191-202.	1.2	9
1687	Extended State Observer Based Robust Friction Compensation for Tracking Control of an Omnidirectional Mobile Robot. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	10
1688	Optimization and simulation of a voice coil motor for fuel injectors of two-stroke aviation piston engine. Advances in Mechanical Engineering, 2019, 11, 168781401984626.	0.8	8
1689	Path following control for towing system of cylindrical drilling platform in presence of disturbances and uncertainties. ISA Transactions, 2019, 95, 185-193.	3.1	25
1690	High-precision tracking differentiator via generalized discrete-time optimal control. ISA Transactions, 2019, 95, 144-151.	3.1	12
1691	Practical Coupling Rejection Control for Herbst Maneuver with Thrust Vector. Journal of Aircraft, 2019, 56, 1726-1734.	1.7	3
1692	Resilient Active Power Sharing in Autonomous Microgrids Using Pinning-Consensus-Based Distributed Control. IEEE Transactions on Smart Grid, 2019, 10, 6802-6811.	6.2	26
1693	Design, analysis and control of a novel deployable grasping manipulator. Mechanism and Machine Theory, 2019, 138, 182-204.	2.7	28
1694	Disturbance rejection control with H <sup>∞</sup> optimized observer for vibration suppression of piezoelectric smart structures. Mechanics and Industry, 2019, 20, 202.	0.5	8
1695	A Robotic Head Stabilization Device for Medical Transport. Robotics, 2019, 8, 23.	2.1	2
1696	Active Disturbance Rejection Control With Self-Adjusting Parameters for Vibration Displacement System of Continuous Casting Mold. IEEE Access, 2019, 7, 52498-52507.	2.6	11
1697	Speed Control of Permanent Magnet DC Motor with Friction and Measurement Noise Using Novel Nonlinear Extended State Observer-Based Anti-Disturbance Control. Energies, 2019, 12, 1651.	1.6	39
1698	Quadrotor trajectory tracking and obstacle avoidance by chaotic grey wolf optimization-based active disturbance rejection control. Mechanical Systems and Signal Processing, 2019, 128, 636-654.	4.4	67
1699	Attitude control for quadrotors subjected to wind disturbances via active disturbance rejection control and integral sliding mode control. Mechanical Systems and Signal Processing, 2019, 129, 531-545.	4.4	67
1700	Generalized extended state observerâ€“based repetitive control for systems with mismatched disturbances. International Journal of Robust and Nonlinear Control, 2019, 29, 3777-3792.	2.1	34
1701	Secondary Frequency Control of Isolated Microgrid Based on LADRC. IEEE Access, 2019, 7, 53454-53462.	2.6	26
1702	Robust Predictive Current Control for a Dual Inverter Fed Open-End Winding Induction Motor. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1703	Control of the common rail pressure in gasoline engines through an extended state observer based MPC. <i>Control Theory and Technology</i> , 2019, 17, 156-166.	1.0	6
1704	Robust current and speed control of a permanent magnet synchronous motor using SMC and ADRC. <i>Control Theory and Technology</i> , 2019, 17, 190-199.	1.0	18
1705	Observers and observability for uncertain nonlinear systems: A necessary and sufficient condition. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2960-2977.	2.1	11
1706	Nonlinear Backstepping Control Design for Coupled Nonlinear Systems under External Disturbances. <i>Complexity</i> , 2019, 2019, 1-13.	0.9	3
1707	Bottom-level motion control for robotic fish to swim in groups: modeling and experiments. <i>Bioinspiration and Biomimetics</i> , 2019, 14, 046001.	1.5	16
1708	Active Disturbance Rejection Voltage Control of a Floating Interleaved DC-DC Boost Converter With Switch Fault Consideration. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 12396-12406.	5.4	28
1709	Adaptive asymptotical tracking controller design for uncertain nonaffine nonlinear system with high-order mismatched disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019, 33, 731-746.	2.3	5
1710	Compound control for energy management of the hybrid ultracapacitor-battery electric drive systems. <i>Energy</i> , 2019, 175, 309-319.	4.5	27
1711	Path following control of fully-actuated autonomous underwater vehicle in presence of fast-varying disturbances. <i>Applied Ocean Research</i> , 2019, 86, 40-46.	1.8	50
1712	Anti-disturbance backstepping control for air-breathing hypersonic vehicles based on extended state observer. <i>ISA Transactions</i> , 2019, 92, 84-93.	3.1	31
1713	Position control for ball and beam system based on active disturbance rejection control. <i>Systems Science and Control Engineering</i> , 2019, 7, 97-108.	1.8	17
1714	Fault-tolerant control for over-actuated hypersonic reentry vehicle subject to multiple disturbances and actuator faults. <i>Aerospace Science and Technology</i> , 2019, 87, 230-243.	2.5	42
1715	LADRC applied to variable speed micro-hydro plants: Experimental validation. <i>Control Engineering Practice</i> , 2019, 85, 290-298.	3.2	40
1716	An observer-based continuous adaptive sliding mode guidance against chattering for homing missiles. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 3309-3320.	1.1	9
1717	Time-varying formation tracking for uncertain second-order nonlinear multi-agent systems. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019, 20, 76-87.	1.5	12
1718	Linear Active Disturbance Rejection Control for Lever-Type Electric Erection System Based on Approximate Model. <i>Journal of Control Science and Engineering</i> , 2019, 2019, 1-7.	0.8	2
1719	Time-varying formation control for unmanned aerial vehicles with external disturbances. <i>Transactions of the Institute of Measurement and Control</i> , 2019, 41, 3777-3786.	1.1	15
1720	Adaptive Backstepping Control for Longitudinal Dynamics of Hypersonic Vehicle Subject to Actuator Saturation and Disturbance. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-10.	0.6	2



#	ARTICLE	IF	CITATIONS
1721	Stealthy Adversaries Against Uncertain Cyber-Physical Systems: Threat of Robust Zero-Dynamics Attack. IEEE Transactions on Automatic Control, 2019, 64, 4907-4919.	3.6	65
1722	Discrete-Time Optimal Control of Electromagnetic Coil Systems for Generation of Dynamic Magnetic Fields With High Accuracy. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1208-1219.	3.7	27
1723	A novel guaranteed tracking performance control for reentry vehicle with actuator constraints and uncertainties. Transactions of the Institute of Measurement and Control, 2019, 41, 3787-3798.	1.1	2
1724	Disturbance frequency adaptive control for photo-electric stabilized platform based on improving extended state observation. Optik, 2019, 187, 198-204.	1.4	5
1725	Vision-based autonomous landing of a quadrotor using a gimbaled camera. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5093-5106.	0.7	4
1726	Active Disturbance Rejection Control Applied to High-order Systems with Parametric Uncertainties. International Journal of Control, Automation and Systems, 2019, 17, 1483-1493.	1.6	25
1727	Rejection of varying-frequency periodic load disturbances in wind-turbines through active disturbance rejection-based control. Renewable Energy, 2019, 141, 217-235.	4.3	24
1728	Maximum Sensitivity-Constrained Data-Driven Active Disturbance Rejection Control with Application to Airflow Control in Power Plant. Energies, 2019, 12, 231.	1.6	19
1729	U-neural network-enhanced control of nonlinear dynamic systems. Neurocomputing, 2019, 352, 12-21.	3.5	29
1730	Adaptive Sliding Mode Trajectory Tracking Control for Unmanned Surface Vehicle with Modeling Uncertainties and Input Saturation. Applied Sciences (Switzerland), 2019, 9, 1240.	1.3	52
1731	ADRC controller for weightlifter Humanoid robot. , 2019, , .		1
1732	Accurate Trajectory Tracking of Disturbed Surface Vehicles: A Finite-Time Control Approach. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1064-1074.	3.7	195
1733	Adaptive fault-tolerant control for a VTVL reusable launch vehicle. Acta Astronautica, 2019, 159, 362-370.	1.7	40
1734	On-ground lateral direction control for an unswept flying-wing UAV. Aeronautical Journal, 2019, 123, 416-432.	1.1	9
1735	Dynamic linear modeling, identification and precise control of a walking piezo-actuated stage. Mechanical Systems and Signal Processing, 2019, 128, 141-152.	4.4	22
1736	Active Disturbance Rejection Based Robust Trajectory Tracking Controller Design in State Space. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	19
1737	A hybrid control strategy for the optoelectronic stabilized platform of a seeker. Optik, 2019, 181, 1000-1012.	1.4	12
1738	Dynamic Decoupling Based Robust Synchronous Control for a Hydraulic Parallel Manipulator. IEEE Access, 2019, 7, 30548-30562.	2.6	16

#	ARTICLE	IF	CITATIONS
1739	Finite-time Extended State Observer based fault tolerant output feedback control for attitude stabilization. ISA Transactions, 2019, 91, 11-20.	3.1	89
1740	Nonlinear adaptive speed control of a permanent magnet synchronous motor: A perturbation estimation approach. Control Engineering Practice, 2019, 85, 163-175.	3.2	28
1741	A Heuristic algorithm for robustly stable generalized disturbance observer synthesis with closed loop consideration. ISA Transactions, 2019, 90, 147-156.	3.1	3
1742	Missile longitudinal autopilot design using a generalized extended state observer-based mixed H <sub>2</sub> /H <sub>∞</sub> control method. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4704-4720.	0.7	1
1743	A practical attitude control scheme for hypersonic vehicle based on disturbance observer. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 4523-4540.	0.7	9
1744	Position control of a rodless cylinder in pneumatic servo with actuator saturation. ISA Transactions, 2019, 90, 235-243.	3.1	14
1745	Output feedback regulation control for a class of cascade nonlinear systems by time-varying Kalman observer. International Journal of Robust and Nonlinear Control, 2019, 29, 2149-2170.	2.1	13
1746	Model Free Deadbeat Predictive Speed Control of Surface-Mounted Permanent Magnet Synchronous Motor Drive system. Journal of Electrical Engineering and Technology, 2019, 14, 265-274.	1.2	19
1747	Inter-sample output predictor based sampled-data ADRC supporting high precision control of VCM servo systems. Control Engineering Practice, 2019, 85, 138-148.	3.2	15
1748	Output Feedback Exponential Stabilization of One-Dimensional Wave Equation With Velocity Recirculation. IEEE Transactions on Automatic Control, 2019, 64, 4599-4606.	3.6	11
1749	Active Disturbance Rejection Control of Shunt Active Power Filter Based on P-Q Theory. Advances in Science, Technology and Innovation, 2019, , 173-182.	0.2	2
1750	Data-driven multi-inverter cooperative control for voltage tracking and current sharing in islanded AC microgrids. Transactions of the Institute of Measurement and Control, 2019, 41, 3145-3157.	1.1	10
1751	Active Disturbance Rejection Control in fully distributed Automatic Generation Control with co-simulation of communication delay. Control Engineering Practice, 2019, 85, 225-234.	3.2	18
1752	A new guidance law for trajectory tracking of an underactuated unmanned surface vehicle with parameter perturbations. Ocean Engineering, 2019, 175, 217-222.	1.9	52
1753	Modified Active Disturbance Rejection Control for Improved Performance. , 2019, , .		0
1754	Fault Tolerant Control for High-Order Multi-agent Systems with Switching Interaction Topologies. , 2019, , .		0
1755	Fault Detection of Actuators via Extended State Observer. , 2019, , .		1
1756	Filtered PIDA Controller for the Double Integrator Plus Dead Time. IFAC-PapersOnLine, 2019, 52, 106-113.	0.5	8

#	ARTICLE	IF	CITATIONS
1757	An adaptive PI control design for multi-phase machines in healthy and faulty operations. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2019, 38, 1986-2000.	0.5	2
1758	Certain SPMSM servo system passive control using IPSO fuzzy active disturbance rejection technique. , 2019, , .		0
1759	Discussion on Adaptive Estimation Approach for Bounded Disturbances with Simple Structure*. , 2019, , .		0
1760	2-DOF Camera Stabilization Platform for Robotic Fish Based on Active Disturbance Rejection Control. , 2019, , .		2
1761	Output Tracking Control for the One-Dimensional Heat Equation with Unknown Disturbance by the Dirichlet Boundary Actuation. , 2019, , .		0
1762	Analysis of Linear Active Disturbance Rejection Control for Time-Delay Plants with Nyquist Plot. , 2019, , .		4
1763	Linear Active Disturbance Rejection Control With Partially Canceling Estimated Total Disturbance. , 2019, , .		3
1764	An Adaptive Passivity Based Control of Grid Connected VSC with Integral Action. , 2019, , .		0
1765	Design and Implementation of Suspension Decoupling Controller for Multi-DOF Maglev Positioning Platform. , 2019, , .		0
1766	Distributed Output Feedback Consensus of Uncertain Nonlinear Multi-Agent Systems With Limited Data Rate. , 2019, , .		4
1767	Multi-Objective Gain Optimizer for an Active Disturbance Rejection Controller. , 2019, , .		1
1768	Switching Control with Time Optimal Sliding Mode Control Strategy for Electric Load Simulator with Backlash. , 2019, , .		3
1769	Autonomous underwater vehicle depth control based on an improved active disturbance rejection controller. International Journal of Advanced Robotic Systems, 2019, 16, 172988141989153.	1.3	5
1770	Generalized Active Disturbance Rejection Controller for Load Frequency Control in Power Systems. , 2019, , .		2
1771	Research on Target Ship Course Control Method based on Active Disturbance Rejection Controller. , 2019, , .		0
1772	Speed Feedforward Control Method Based on Improved Adaptive Filter for Permanent Magnet Synchronous Motor. , 2019, , .		2
1773	Traction system research of High-Speed Maglev Train Based on ADRC. , 2019, , .		0
1774	A Linear Extended State Observer-based Fuzzy Fault tolerant Controller for Autonomous Underwater Vehicle. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
1775	On Active Disturbance Rejection Based Path Following Control for Unmanned Roller. , 2019, , .		3
1776	Structural Design and Simulation Studies of ADRC for High-order Nonlinear Systems. , 2019, , .		0
1777	A Method to Estimate Exogenous Disturbances in Nonlinear Systems Based on Equivalent-Input-Disturbance Approach. , 2019, , .		0
1778	DC Side Bus Voltage Control of Wind Power Grid-Connected Inverter Based on Second-Order Linear Active Disturbance Rejection Control. Energies, 2019, 12, 4274.	1.6	6
1779	Formation Control for Wheeled Mobile Robots With Finite-Time Active Disturbance Rejection Control. , 2019, , .		1
1780	Discrete time fast sliding-mode control for permanent magnet linear motor with nonlinear extended state observer. , 2019, , .		1
1781	High-Precision Tracking of Cubic Stewart Platform Using Active Disturbance Rejection Control. , 2019, , .		4
1782	Optimal Control of Single-Phase Cascaded H-Bridge Rectifier based on Auto-Disturbance Rejection Control. , 2019, , .		0
1783	Application of ADRC in Track Alignment Detection System. , 2019, , .		1
1784	An Improved-Precision Voice Coil Motor Drive Method Utilizing Additional Current Feedback. , 2019, , .		0
1785	Attenuation of PMSM Torque-Ripple Based on Combination of Equivalent-Input-Disturbance Approach and Sliding-Mode Control. , 2019, , .		2
1786	Control Strategies for Tidal Stream Turbine Systems - A Comparative Study of ADRC, PI, and High-Order Sliding Mode Controls. , 2019, , .		5
1787	Probe control for autonomous aerial refueling based on high order sliding mode. , 2019, , .		0
1788	Disturbance Rejection in Motion Control based on Equivalent Input Disturbance Approach with Experimental Validation. , 2019, , .		0
1789	An Enhanced DC-Link Voltage Control Method for High-speed PMSM/G in Flywheel Energy Storage System with Indirect Feedforward of Consumed Power and Speed Compensation. , 2019, , .		2
1790	Low-Frequency Oscillation Suppression Based on Linear ADRC Strategy in High-Speed Railways. , 2019, , .		1
1791	State and Disturbance Observer for Robust Motion Control. , 2019, , .		1
1792	Tuning of ADRC for QTR in Transition Process Based on NBPO Hybrid Algorithm. IEEE Access, 2019, 7, 177219-177240.	2.6	19

#	ARTICLE	IF	CITATIONS
1793	Robust Fault Detection for Second-order Multi-agent Systems on Directed Graph. , 2019, , .		0
1794	Non-collocated Output Tracking Control for 1-D Wave Equation with Unknown Disturbance and Non-differentiable Reference Signal. , 2019, , .		0
1795	High Precision Position Control based on Active Disturbance Rejection Control for Galvanometer Scanner System. , 2019, , .		2
1796	A Dual Closed-loop Control Scheme for Quadrotor under Disturbances. , 2019, , .		3
1797	Distributed Dual-Loop Active Disturbance Rejection Control for DC Microgrids. , 2019, , .		2
1798	Finite-Time Extended State Observer-based PI Control for Dissolved Oxygen. , 2019, , .		2
1799	Research on Active Disturbance Rejection Control of Induction Motor. , 2019, , .		5
1800	Comparative Study of Disturbance Observer-Based Control and Active Disturbance Rejection Control in Brushless DC Motor Drives. , 2019, , .		5
1801	Precision Point-to-point Positioning Control of a Novel Linear Motor based on Fractional-order Modified Active Disturbance Rejection Controller. , 2019, , .		0
1802	Study regarding improving of full immersion for VirtuSphere system. , 2019, , .		5
1803	The Optimal "Speed-Torque" Control of Asynchronous Motors in the Field-Weakening Region Based on ADRC and ELM. , 2019, , .		1
1804	Frequency-domain Analysis of A Modified Active Disturbance Rejection Control With Application to Superheated Steam Temperature Control. , 2019, , .		1
1805	An Enhanced Phase-Locked Loop with Extended State Observer. , 2019, , .		6
1806	Control of master slave robotics system using optimal control schemes. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012056.	0.3	4
1807	ADRC as an Exercise for Modeling and Control Design in the State-Space. , 2019, , .		3
1808	DSC and LADRC Path Following Control for Dynamic Positioning Ships at High Speed. , 2019, , .		3
1809	Fuzzy-Set Theory Based Optimal Robust Design for Position Tracking Control of Permanent Magnet Linear Motor. IEEE Access, 2019, 7, 153829-153841.	2.6	9
1810	Nonlinear Control of a Magnetic Levitation System Based on Coordinate Transformations. IEEE Access, 2019, 7, 164444-164452.	2.6	10

#	ARTICLE	IF	CITATIONS
1811	An approach to linear active disturbance rejection controller design with a linear quadratic regulator for a non-minimum phase system. , 2019, , .		8
1812	An Improved $\alpha$ -EPLL Based on Active Disturbance Rejection Control for Complicated Power Grid Conditions. IEEE Access, 2019, 7, 139276-139293.	2.6	3
1813	Seizure Control by a Learning Type Active Disturbance Rejection Approach. IEEE Access, 2019, 7, 164792-164802.	2.6	6
1814	Robust and Adaptive Backstepping Control for Hexacopter UAVs. IEEE Access, 2019, 7, 163502-163514.	2.6	28
1815	Research on Speed Oscillation of Ultra-Low Speed Turntable in Aerospace Due to Limited Resolution Encoder. IFAC-PapersOnLine, 2019, 52, 322-327.	0.5	0
1816	Application of Enhanced Extended Observer in Station-Keeping of a Quadrotor with Unmeasurable Pitch and Roll Angles. IFAC-PapersOnLine, 2019, 52, 837-842.	0.5	4
1817	A Cascaded Extended State Observer for Three-level Back-to-back Converter with Surface Mounted Permanent Magnet Synchronous Motor. , 2019, , .		0
1818	On Active Disturbance Rejection Control for Path Following of Automated Guided Vehicle with Uncertain Velocities. , 2019, , .		11
1819	A Novel Modified Robust Model-Free Adaptive Control Method for a Class of Nonlinear Systems with Time Delay. , 2019, , .		5
1820	Active Disturbances Rejection Controller for Position Servo Control of PMSM. , 2019, , .		12
1821	Output feedback exponential stabilization for 1D wave equation with unknown anti-damping subject to boundary disturbance. , 2019, , .		0
1822	Multivariable Disturbance Observer Based Control with the Experiment on an Active Magnetic Bearing Spindle. IFAC-PapersOnLine, 2019, 52, 388-393.	0.5	2
1823	A Teaching Methodology Based on an Educational Experimental Platform. IEEE Latin America Transactions, 2019, 17, 1363-1370.	1.2	6
1824	Proportional Resonant-Based Active Disturbance Rejection Control for Speed Fluctuation Suppression of PMSM Drives. , 2019, , .		11
1825	Control of epileptiform waves in a neural mass model. , 2019, , .		2
1826	Barrier Lyapunov Function Based Output Control and Extended State Observer for a Manipulator with Time-Varying Output Constraints and Uncertainties. , 2019, , .		1
1827	The Research of Improved Active Disturbance Rejection Control Algorithm for Particleboard Glue System Based on Neural Network State Observer. Algorithms, 2019, 12, 259.	1.2	3
1828	Comparison of the Phase Margins of Different ADRC Designs. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
1829	Differentiator-Based Disturbance Observer. , 2019, , .		1
1830	Active disturbance rejection control for fractional-order PID control system research. Journal of Physics: Conference Series, 2019, 1345, 062021.	0.3	2
1831	Mobile Robot ADRC With an Automatic Parameter Tuning Mechanism via Modified Pigeon-Inspired Optimization. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2616-2626.	3.7	47
1832	Replacing PI Control With First-Order Linear ADRC. , 2019, , .		12
1833	Crank-angle Based Active Disturbance Rejection Control for a Marine Diesel Engine. , 2019, , .		2
1834	Attenuation of periodic disturbances via customized ADRC solution: a case of highly oscillatory 3DOF torsional plant. , 2019, , .		3
1835	Dynamic Linearization Based Adaptive Nonlinear Active Disturbance Rejection Control. , 2019, , .		0
1836	Learning Objects and Experiments for Active Disturbance Rejection Control. , 2019, , .		2
1837	Event-triggered attitude tracking for rigid spacecraft. Science China Information Sciences, 2019, 62, 1.	2.7	13
1838	Distributed adaptive disturbance rejection control for general linear multi-agent systems. , 2019, , .		0
1839	Adaptive Tracking Control of Voltage-Driven Robotic Manipulators with Output Constraints. , 2019, , .		0
1840	Improved Load Frequency Control Of Two-Area Power System. , 2019, , .		2
1841	Anti-windup design for discrete-time systems with time delay via predictor-based extended state observer. , 2019, , .		2
1842	Sensorless Control of Permanent Magnet Synchronous Motor Based on Extended State Observer. , 2019, , .		3
1843	Back-EMF based Sensorless Control of PMSM with an Improved PLL for Eliminating the Position Estimation Fluctuation. , 2019, , .		6
1844	Disturbance-Observer Based Tracking Control of Industrial SCARA Robot Manipulators. , 2019, , .		2
1845	On Extended State Observer Based Control for A class of Nonaffine Systems with Unknown Saturation. , 2019, , .		1
1846	Integrated Guidance and Control Design of Rolling-Guided Projectile Based on Adaptive Fuzzy Control with Multiple Constraints. Mathematical Problems in Engineering, 2019, 2019, 1-17.	0.6	4

#	ARTICLE	IF	CITATIONS
1847	Linear Active Disturbance Rejection Control for DC Bus Voltage of Permanent Magnet Synchronous Generator Based on Total Disturbance Differential. <i>Energies</i> , 2019, 12, 3906.	1.6	8
1848	Cascade active disturbance rejection control for quadrotor UAV. , 2019, , .		3
1849	Research and Application of Active Disturbance Rejection Based Iterative Learning Control for the Brushless DC Motor. , 2019, , .		0
1850	An Uncertainty and Disturbance Estimator Based Voltage Control for Dual-Active-Bridge Converters. , 2019, , .		2
1851	A New Active Disturbance Rejection Controller Design Based on Fractional Extended State Observer. , 2019, , .		9
1852	A Robust Integrated Guidance and Control Approach for the Missile with Swing Nozzle. , 2019, , .		1
1853	Equivalent input disturbance observer-based ripple-free deadbeat control for voltage regulation of a DC-DC buck converter. <i>IET Power Electronics</i> , 2019, 12, 3272-3279.	1.5	5
1854	Performance of different ADRC based control methods in a nonlinear plant with uncertainties. , 2019, , .		0
1855	An Interacting Control Method for Quadrotor Based on ADRC. , 2019, , .		0
1856	Robust Disturbance Estimation - An Integrated Game Theoretic and Unknown Input Observer Approach. , 2019, , .		1
1857	Attitude Control in Ascent Phase of Missile Considering Actuator Non-Linearity and Wind Disturbance. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5113.	1.3	6
1858	Hybrid-Disturbance-Observer-Based Nonlinear Control for Characteristic Model with Applications to Bionic Pneumatic Actuator System. , 2019, , .		0
1859	A Linear Active Disturbance Rejection Controller-Based Sensorless Control Scheme for PMSM Drives. , 2019, , .		6
1860	Comparison of Several Active Disturbance Rejection Control Methods for Rigid-Flexible Coupling Motion Stage. , 2019, , .		3
1861	A Disturbance-Observer-Based Current Control Scheme for Five-Phase PMSM Drives with Multiple Sources of Disturbance. , 2019, , .		1
1862	Active disturbance rejection control design and analysis for first-order plus time delay systems. , 2019, , .		2
1863	A Novel Motion Stage Design by Reducing Disturbance Bandwidth of ADRC for Higher Performance. , 2019, , .		5
1864	Marine diesel engine speed control based on adaptive state-compensate extended state observer-backstepping method. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019, 233, 457-471.	0.7	5



#	ARTICLE	IF	CITATIONS
1865	A Robust Active and Reactive Power Control Scheme With Multiloop Disturbance Rejection for a Wind Energy Conversion System. IEEE Transactions on Sustainable Energy, 2019, 10, 1664-1671.	5.9	10
1866	Improved disturbance rejection control based on H $\infty$ synthesis and equivalent-input-disturbance for aircraft longitudinal autopilot design. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 3323-3335.	0.7	1
1867	An Extended State Observer Based Fractional Order Sliding-Mode Control for a Novel Electro-Hydraulic Servo System with Iso-Actuation Balancing and Positioning. Asian Journal of Control, 2019, 21, 289-301.	1.9	29
1868	Analysis and Tuning of General Linear Active Disturbance Rejection Controllers. IEEE Transactions on Industrial Electronics, 2019, 66, 5497-5507.	5.2	62
1869	A novel low-voltage ride-through capable energy management scheme for a grid-connected hybrid photovoltaic-fuel cell power source. International Transactions on Electrical Energy Systems, 2019, 29, e2713.	1.2	7
1870	Cooperative Adaptive Event-Triggered Control for Multiagent Systems With Actuator Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1759-1768.	5.9	141
1871	Design and implementation of fractional differentiators, Part I: System based methods. Control Engineering Practice, 2019, 84, 297-304.	3.2	7
1872	A robust force feed-forward observer for an electro-hydraulic control loading system in flight simulators. ISA Transactions, 2019, 89, 198-217.	3.1	24
1873	Composite block backstepping trajectory tracking control for disturbed unmanned helicopters. Aerospace Science and Technology, 2019, 85, 386-398.	2.5	30
1874	Active Disturbance Rejection Control for Handling Slip in Tracked Vehicle Locomotion. Journal of Mechanisms and Robotics, 2019, 11, .	1.5	24
1875	Trajectory tracking control for double-joint manipulator systems driven by pneumatic artificial muscles based on a nonlinear extended state observer. Mechanical Systems and Signal Processing, 2019, 122, 307-320.	4.4	55
1876	Vision-Based Autonomous Hovering for the Biomimetic Underwater Robot "RobCutt-II. IEEE Transactions on Industrial Electronics, 2019, 66, 8578-8588.	5.2	27
1877	Robust Adaptive Trajectory Linearization Control for Tracking Control of Surface Vessels With Modeling Uncertainties Under Input Saturation. IEEE Access, 2019, 7, 5057-5070.	2.6	15
1878	Robust neuro-fuzzy sliding mode control with extended state observer for an electric drive system. Energy, 2019, 169, 1054-1063.	4.5	24
1879	An enhanced anti-disturbance attitude control law for flexible spacecrafts subject to multiple disturbances. Control Engineering Practice, 2019, 84, 274-283.	3.2	46
1880	Robust Predictive Speed Regulation of Converter-Driven DC Motors via a Discrete-Time Reduced-Order GPIO. IEEE Transactions on Industrial Electronics, 2019, 66, 7893-7903.	5.2	73
1881	Fast Speed Control of AC Machines Without the Proportional-Integral Controller: Using an Extended High-Gain State Observer. IEEE Transactions on Power Electronics, 2019, 34, 9006-9015.	5.4	42
1882	Active Disturbance Rejection Control of the Inertia Wheel Pendulum through a Tangent Linearization Approach. International Journal of Control, Automation and Systems, 2019, 17, 18-28.	1.6	19

#	ARTICLE	IF	CITATIONS
1883	State and Disturbance Observer-Based Integral Sliding Mode Controlled Boost DC-DC Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1567-1571.	2.2	30
1884	Super-twisting disturbance observer-based finite-time attitude stabilization of flexible spacecraft subject to complex disturbances. JVC/Journal of Vibration and Control, 2019, 25, 1008-1018.	1.5	20
1885	Generalized predictor based active disturbance rejection control for non-minimum phase systems. ISA Transactions, 2019, 87, 34-45.	3.1	17
1886	Stability Analysis and Enhancement of Type-4 Wind Turbines Connected to Very Weak Grids Under Severe Voltage Sags. IEEE Transactions on Energy Conversion, 2019, 34, 838-848.	3.7	39
1887	High-precision trajectory tracking design and simulation for six degree of freedom robot based on improved active disturbance rejection control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3659-3669.	1.1	4
1888	A Design Method for Linear Motion Servocontrol System. IEEE Transactions on Plasma Science, 2019, 47, 2212-2221.	0.6	2
1889	Nonlinear sampled-data ESO-based active disturbance rejection control for networked control systems with actuator saturation. Nonlinear Dynamics, 2019, 95, 1415-1434.	2.7	11
1890	Superheated steam temperature control based on modified active disturbance rejection control. Control Engineering Practice, 2019, 83, 83-97.	3.2	77
1891	Nonlinear cascade control of high-response proportional solenoid valve based on an extended disturbance observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 921-934.	0.7	4
1892	Design of robust MPPT controller for grid-connected PMSG-Based wind turbine via perturbation observation based nonlinear adaptive control. Renewable Energy, 2019, 134, 478-495.	4.3	128
1893	Disturbance-Observer-Based DC-Bus Voltage Control for Ripple Mitigation and Improved Dynamic Response in Two-Stage Single-Phase Inverter System. IEEE Transactions on Industrial Electronics, 2019, 66, 6836-6845.	5.2	39
1894	Robust control of uncertain feedback linearizable systems based on adaptive disturbance estimation. ISA Transactions, 2019, 87, 1-9.	3.1	9
1895	Design of an Active Disturbance Rejection Control for Drag-Free Satellite. Microgravity Science and Technology, 2019, 31, 31-48.	0.7	14
1896	A simple nonlinear PD control for faster and high-precision positioning of servomechanisms with actuator saturation. Mechanical Systems and Signal Processing, 2019, 121, 215-226.	4.4	32
1897	Barrier Lyapunov function-based robust flight control for the ultra-low altitude airdrop under airflow disturbances. Aerospace Science and Technology, 2019, 84, 375-386.	2.5	24
1898	Controller Design for Different Electric Tail Rotor Operating Modes in Helicopters. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1959022.	0.7	1
1899	Improved Linear Active Disturbance Rejection Control for Lever-Type Electric Erection System with Varying Loads and Low-Resolution Encoder. Mathematical Problems in Engineering, 2019, 2019, 1-13.	0.6	150
1900	Stabilization of a rotating flexible structure subject to matched input disturbances. Transactions of the Institute of Measurement and Control, 2019, 41, 2864-2874.	1.1	2

#	ARTICLE	IF	CITATIONS
1901	General error-based active disturbance rejection control for swift industrial implementations. <i>Control Engineering Practice</i> , 2019, 84, 218-229.	3.2	84
1902	Position tracking and attitude control for quadrotors via active disturbance rejection control method. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	34
1903	Analytical design of active disturbance rejection control for nonlinear uncertain systems with delay. <i>Control Engineering Practice</i> , 2019, 84, 323-336.	3.2	53
1904	Angle Attitude Control for a 2-DOF Parallel Mechanism of PMAs Using Tracking Differentiators. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 8659-8669.	5.2	18
1905	Application of Direct Adaptive Control to Autonomous Satellite Docking. , 2019, , .		0
1906	Gain-scheduled predictive extended state observer for time-varying delays systems with mismatched disturbances. <i>ISA Transactions</i> , 2019, 84, 206-213.	3.1	16
1907	Distributed output-feedback consensus control of multi-agent systems with dynamically changing directed interaction topologies. <i>ISA Transactions</i> , 2019, 85, 71-75.	3.1	6
1908	Implementation of model-free motion control for active suspension systems. <i>Mechanical Systems and Signal Processing</i> , 2019, 119, 589-602.	4.4	37
1909	Tuning of linear active disturbance rejection controller with robustness specification. <i>ISA Transactions</i> , 2019, 85, 237-246.	3.1	62
1910	Analysis and Design of a Time-Varying Extended State Observer for a Class of Nonlinear Systems with Unknown Dynamics Using Spectral Lyapunov Function. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2019, 94, 405-421.	2.0	6
1911	Novel identification approach for nonlinear systems with hysteresis. <i>Nonlinear Dynamics</i> , 2019, 95, 1053-1066.	2.7	10
1912	Study on active disturbance rejection control with actuator saturation to reduce the load of a driving chain in wind turbines. <i>Renewable Energy</i> , 2019, 133, 268-274.	4.3	18
1913	Comments on "Adaptive tracking control of uncertain MIMO nonlinear systems with input constraints". <i>Automatica</i> , 2019, 100, 417-418.	3.0	4
1914	GESO-based control for networked systems with time-varying delays. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 133, 281-287.	2.5	6
1915	Performance Analysis of Flux-Switching Stator Permanent Magnet Motor Based on Linear Active Disturbance Rejection Control. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 693-708.	0.3	0
1916	Design and implementation of continuous finite-time sliding mode control for 2-DOF inertially stabilized platform subject to multiple disturbances. <i>ISA Transactions</i> , 2019, 84, 214-224.	3.1	36
1917	Impedance control of collaborative robots based on joint torque servo with active disturbance rejection. <i>Industrial Robot</i> , 2019, 46, 518-528.	1.2	8
1918	A new continuous adaptive finite time guidance law against highly maneuvering targets. <i>Aerospace Science and Technology</i> , 2019, 85, 40-47.	2.5	32

#	ARTICLE	IF	CITATIONS
1919	Extended state observer based output control for spacecraft rendezvous and docking with actuator saturation. ISA Transactions, 2019, 88, 37-49.	3.1	27
1920	Analysis of the thrust disturbance control strategy of the permanent magnet linear synchronous motor. Journal of Intelligent and Fuzzy Systems, 2019, 36, 1193-1203.	0.8	0
1921	Leader-Follower Bipartite Consensus of Linear Multiagent Systems Over a Signed Directed Graph. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1436-1440.	2.2	62
1922	Optimization and control application of sensor placement in aeroservoelastic of UAV. Aerospace Science and Technology, 2019, 85, 61-74.	2.5	9
1923	UAV quadrotor attitude control: An ADRC-EMC combined approach. Control Engineering Practice, 2019, 84, 13-22.	3.2	66
1924	On disturbance rejection in magnetic levitation. Control Engineering Practice, 2019, 82, 24-35.	3.2	83
1925	Enhanced disturbance rejection control based test rocket control system design and validation. ISA Transactions, 2019, 84, 31-42.	3.1	4
1926	Continuous finite-time extended state observer based fault tolerant control for attitude stabilization. Aerospace Science and Technology, 2019, 84, 204-213.	2.5	135
1927	Convergence and stability analysis of active disturbance rejection control for first-order nonlinear dynamic systems. Transactions of the Institute of Measurement and Control, 2019, 41, 2064-2076.	1.1	27
1928	Robust Voltage Regulation of a DC-AC Inverter With Load Variations via a HDOBC Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1172-1176.	2.2	18
1929	Boundary control of a circular curved beam using active disturbance rejection control. International Journal of Control, 2019, 92, 1137-1154.	1.2	8
1930	Trajectory Tracking Control of a One Degree of Freedom Manipulator Based on a Switched Sliding Mode Controller With a Novel Extended State Observer Framework. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1110-1118.	5.9	49
1931	On convergence of active disturbance rejection control for a class of uncertain stochastic nonlinear systems. International Journal of Control, 2019, 92, 1103-1116.	1.2	20
1932	Stabilization of serially connected hybrid PDE-ODE system with unknown external disturbances. Applicable Analysis, 2019, 98, 718-734.	0.6	4
1933	Optimised active disturbance rejection motion control with resonant extended state observer. International Journal of Control, 2019, 92, 1815-1826.	1.2	14
1934	Predictor-Based Disturbance Rejection Control for Sampled Systems With Input Delay. IEEE Transactions on Control Systems Technology, 2019, 27, 772-780.	3.2	42
1935	A constant guidance law-based collision avoidance for unmanned aerial vehicles. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1204-1216.	0.7	3
1936	Robust Sliding Mode Control for Robots Driven by Compliant Actuators. IEEE Transactions on Control Systems Technology, 2019, 27, 1259-1266.	3.2	70

#	ARTICLE	IF	CITATIONS
1937	Robust output feedback trajectory tracking for quadrotors. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 1596-1610.	0.7	3
1938	A robust two-stage active disturbance rejection control for the stabilization of a riderless bicycle. Multibody System Dynamics, 2019, 45, 7-35.	1.7	20
1939	Sampled-Data-Based Event-Triggered Active Disturbance Rejection Control for Disturbed Systems in Networked Environment. IEEE Transactions on Cybernetics, 2019, 49, 556-566.	6.2	101
1940	Robust Output Feedback Tracking Control for Inertially Stabilized Platforms With Matched and Unmatched Uncertainties. IEEE Transactions on Control Systems Technology, 2019, 27, 118-131.	3.2	34
1941	A comprehensive decoupling active disturbance rejection control for a gas flow facility. Transactions of the Institute of Measurement and Control, 2019, 41, 297-310.	1.1	3
1942	Extended state observer-based back-stepping control for hypersonic reentry vehicle with input constraints. IMA Journal of Mathematical Control and Information, 2019, 36, 921-947.	1.1	5
1943	Discrete-Time Direct Model Reference Adaptive Control Application in a High-Precision Inertially Stabilized Platform. IEEE Transactions on Industrial Electronics, 2019, 66, 358-367.	5.2	16
1944	Control of diesel engines with electrically assisted turbocharging through an extended state observer based nonlinear MPC. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 378-395.	1.1	11
1945	Adaptive notch filter design for levitation sensing system based on vibration computation. Cluster Computing, 2019, 22, 5257-5267.	3.5	1
1946	A comprehensive decoupling control strategy for a gas flow facility based on active disturbance rejection generalized predictive control. Canadian Journal of Chemical Engineering, 2019, 97, 762-776.	0.9	4
1947	Disturbance-Observer-Based Control for Air Management of PEM Fuel Cell Systems via Sliding Mode Technique. IEEE Transactions on Control Systems Technology, 2019, 27, 1129-1138.	3.2	207
1948	Linear active disturbance rejection control approach for load frequency control of two-area interconnected power system. Transactions of the Institute of Measurement and Control, 2019, 41, 1562-1570.	1.1	30
1949	Observer-Based Integral Sliding Mode Tracking Control for a Pneumatic Cylinder With Varying Loads. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2650-2658.	5.9	26
1950	Quantized Data Driven Iterative Learning Control for a Class of Nonlinear Systems With Sensor Saturation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5119-5129.	5.9	49
1951	Continuous finite-time output torque control approach for series elastic actuator. Mechanical Systems and Signal Processing, 2020, 139, 105853.	4.4	19
1952	Anti-Disturbance Control for Nonlinear Systems Based on Interval Observer. IEEE Transactions on Industrial Electronics, 2020, 67, 1261-1269.	5.2	37
1953	Motion Control for Piezoelectric-Actuator-Based Surgical Device Using Neural Network and Extended State Observer. IEEE Transactions on Industrial Electronics, 2020, 67, 402-412.	5.2	39
1954	Output Feedback Control of Uncertain Hydraulic Servo Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 490-500.	5.2	113

#	ARTICLE	IF	CITATIONS
1955	Addressing Control Implementation Issues in Robotic Systems Using Adaptive Control. <i>Robotica</i> , 2020, 38, 171-184.	1.3	8
1956	Composite active disturbance rejection robust control for a prototype of an active damping artificial ankle prosthesis. <i>Asian Journal of Control</i> , 2020, 22, 908-923.	1.9	5
1957	Interactive Natural Motion Planning for Robot Systems Based on Representation Space. <i>International Journal of Social Robotics</i> , 2020, 12, 345-354.	3.1	0
1958	Disturbance Rejection and Control System Design Using Improved Equivalent Input Disturbance Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3013-3023.	5.2	66
1959	Output feedback control for nonholonomic systems with non-vanishing disturbances. <i>International Journal of Control</i> , 2020, 93, 2480-2489.	1.2	9
1960	Output feedback stabilisation of parallel coupled string equations with matched boundary disturbance. <i>International Journal of Control</i> , 2020, 93, 2922-2930.	1.2	1
1961	Performance Enhancement of RCS and Application to Tracking Control of Chuck-Workpiece Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 4056-4065.	5.2	25
1962	Disturbance Rejection for Nonlinear Uncertain Systems With Output Measurement Errors: Application to a Helicopter Model. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3133-3144.	7.2	20
1963	A LADRC based fuzzy PID approach to contour error control of networked motion control system with time-varying delays. <i>Asian Journal of Control</i> , 2020, 22, 1973-1985.	1.9	12
1964	An Output Regulator With Rejection of Time-Varying Disturbance: Experimental Validation on Clutch Slip Control. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 1158-1167.	3.2	10
1965	A Tuning Method of Active Disturbance Rejection Control for a Class of High-Order Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3191-3201.	5.2	50
1966	Evaluation of the Disturbance Rejection Performance of an Aerial Manipulator. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 97, 451-469.	2.0	10
1967	A Nonlinear Extended State Observer for Rotor Position and Speed Estimation for Sensorless IPMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 733-743.	5.4	63
1968	Active Disturbance-Rejection-Based Speed Control in Model Predictive Control for Induction Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2574-2584.	5.2	81
1969	Robust disturbance rejection control of grid-connected fuel cell converters with grid support ability under unbalanced faults. <i>Energy Systems</i> , 2020, 11, 673-698.	1.8	4
1970	A Two-Degree-of-Freedom Internal Model-Based Active Disturbance Rejection Controller for a Wind Energy Conversion System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 2664-2671.	3.7	20
1971	Disturbance Observer-Based Robust Control and Its Applications: 35th Anniversary Overview. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 2042-2053.	5.2	284
1972	Stabilisation of an anti-stable joint string with boundary disturbance. <i>International Journal of Control</i> , 2020, 93, 1027-1038.	1.2	4

#	ARTICLE	IF	CITATIONS
1973	An approach to improve active disturbance rejection control. International Journal of Control, 2020, 93, 1063-1073.	1.2	4
1974	Extended state observer for MIMO nonlinear systems with stochastic uncertainties. International Journal of Control, 2020, 93, 424-436.	1.2	12
1975	Active disturbance rejection control to MIMO nonlinear systems with stochastic uncertainties: approximate decoupling and output-feedback stabilisation. International Journal of Control, 2020, 93, 1408-1427.	1.2	17
1976	Composite Nonsingular Terminal Sliding Mode Attitude Controller for Spacecraft With Actuator Dynamics Under Matched and Mismatched Disturbances. IEEE Transactions on Industrial Informatics, 2020, 16, 1153-1162.	7.2	49
1977	On the conceptualization of total disturbance and its profound implications. Science China Information Sciences, 2020, 63, 1.	2.7	80
1978	Reconfigurable fault-tolerant control for supersonic missiles with actuator failures under actuation redundancy. Chinese Journal of Aeronautics, 2020, 33, 324-338.	2.8	4
1979	Underwater Bioinspired Propulsion: From Inspection to Manipulation. IEEE Transactions on Industrial Electronics, 2020, 67, 7629-7638.	5.2	48
1980	A hybrid paradigm combining model-based and data-driven methods for fuel cell stack cooling control. Renewable Energy, 2020, 147, 1642-1652.	4.3	39
1981	Dual closed-loop tracking control for wheeled mobile robots via active disturbance rejection control and model predictive control. International Journal of Robust and Nonlinear Control, 2020, 30, 80-99.	2.1	19
1982	Robust tracking control for vehicle electronic throttle using adaptive dynamic sliding mode and extended state observer. Mechanical Systems and Signal Processing, 2020, 135, 106375.	4.4	48
1983	Optimal Tracking With Disturbance Rejection of Voltage Source Inverters. IEEE Transactions on Industrial Electronics, 2020, 67, 4957-4968.	5.2	11
1984	A Two-Stage State Feedback Controller Supported by Disturbance-State Observer for Vibration Control of a Flexible-Joint Robot. Robotica, 2020, 38, 1082-1104.	1.3	7
1985	Active Disturbance Rejection Control for Bearingless Induction Motor Based on Hyperbolic Tangent Tracking Differentiator. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2623-2633.	3.7	60
1986	Generalized Active Disturbance Rejection Controller for Load Frequency Control in Power Systems. , 2020, 4, 73-78.		16
1987	Robust Predictive Current Control of PMLSM With Extended State Modeling Based Kalman Filter: For Time-Varying Disturbance Rejection. IEEE Transactions on Power Electronics, 2020, 35, 2208-2221.	5.4	48
1988	Unknown System Dynamics Estimator for Motion Control of Nonlinear Robotic Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 3850-3859.	5.2	83
1989	Equivalence Among Flat Filters, Dirty Derivative-Based PID Controllers, ADRC, and Integral Reconstructor-Based Sliding Mode Control. IEEE Transactions on Control Systems Technology, 2020, 28, 1696-1710.	3.2	42
1990	New results on the robust stability of control systems with a generalized disturbance observer. Asian Journal of Control, 2020, 22, 2463-2475.	1.9	7

#	ARTICLE	IF	CITATIONS
1991	Internal Model Control of PMSM Position Servo System: Theory and Experimental Results. IEEE Transactions on Industrial Informatics, 2020, 16, 2202-2211.	7.2	57
1992	Output Feedback Stabilization of an ODE-Schrödinger Cascade System Subject to Boundary Control Matched Unknown Disturbance. Journal of Dynamical and Control Systems, 2020, 26, 393-405.	0.4	5
1993	Detection and location of open-circuit fault for modular multilevel converter. International Journal of Electrical Power and Energy Systems, 2020, 115, 105425.	3.3	13
1994	A New Reaching Law for Antidisturbance Sliding-Mode Control of PMSM Speed Regulation System. IEEE Transactions on Power Electronics, 2020, 35, 4117-4126.	5.4	208
1995	Composite Disturbance Rejection Attitude Control for Quadrotor With Unknown Disturbance. IEEE Transactions on Industrial Electronics, 2020, 67, 6894-6903.	5.2	68
1996	Dynamics-Level Finite-Time Fuzzy Monocular Visual Servo of an Unmanned Surface Vehicle. IEEE Transactions on Industrial Electronics, 2020, 67, 9648-9658.	5.2	62
1997	Altitude control for flexible wing unmanned aerial vehicle based on active disturbance rejection control and feedforward compensation. International Journal of Robust and Nonlinear Control, 2020, 30, 222-245.	2.1	17
1998	RISE-based adaptive control for EICoSI exoskeleton to assist knee joint mobility. Robotics and Autonomous Systems, 2020, 124, 103354.	3.0	23
1999	Accurate Homing of Parafoil Delivery Systems Based Glide-Ratio Control. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2374-2389.	2.6	7
2000	Robust IFNTSM-ESO Control Design for Aircraft Subject to Parameter Uncertainties. International Journal of Aeronautical and Space Sciences, 2020, 21, 239-250.	1.0	3
2001	Dual extended state observer-based backstepping control of electro-hydraulic servo systems with time-varying output constraints. Transactions of the Institute of Measurement and Control, 2020, 42, 1070-1080.	1.1	12
2002	Tuning of Smith predictor based generalized ADRC for time-delayed processes via IMC. ISA Transactions, 2020, 99, 159-166.	3.1	34
2003	Developing a virtual stiffness-damping system for airfoil aeroelasticity testing. Journal of Sound and Vibration, 2020, 468, 115061.	2.1	3
2004	Q-Learning-based parameters adaptive algorithm for active disturbance rejection control and its application to ship course control. Neurocomputing, 2020, 408, 51-63.	3.5	56
2005	Discrete-Time Extended State Observer-Based Model-Free Adaptive Control Via Local Dynamic Linearization. IEEE Transactions on Industrial Electronics, 2020, 67, 8691-8701.	5.2	53
2006	ADRC-Based Current Control for Grid-Tied Inverters: Design, Analysis, and Verification. IEEE Transactions on Industrial Electronics, 2020, 67, 8428-8437.	5.2	51
2007	An improved nonlinear proportional-integral-differential controller combined with fractional operator and symbolic adaptation algorithm. Transactions of the Institute of Measurement and Control, 2020, 42, 927-941.	1.1	9
2008	A Novel Model-Based Robust Control for Position Tracking of Permanent Magnet Linear Motor. IEEE Transactions on Industrial Electronics, 2020, 67, 7767-7777.	5.2	32



#	ARTICLE	IF	CITATIONS
2009	Disturbance Rejection for Input-Delay System Using Observer-Predictor-Based Output Feedback Control. IEEE Transactions on Industrial Informatics, 2020, 16, 4489-4497.	7.2	24
2010	Current-Cycle Iterative Learning Control for High-Precision Position Tracking of Piezoelectric Actuator System via Active Disturbance Rejection Control for Hysteresis Compensation. IEEE Transactions on Industrial Electronics, 2020, 67, 8680-8690.	5.2	48
2011	Optimal parameter tuning of Modified Active Disturbance Rejection Control for unstable time-delay systems using an AHP combined Multi-Objective Quasi-Oppositional Jaya Algorithm. Applied Soft Computing Journal, 2020, 86, 105881.	4.1	8
2012	Adaptive fault tolerant attitude control of flexible satellites based on Takagi-Sugeno fuzzy disturbance modeling. Transactions of the Institute of Measurement and Control, 2020, 42, 1712-1723.	1.1	9
2013	Compliance Control for Robot Manipulation in Contact with a Varied Environment Based on a New Joint Torque Controller. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 79-90.	2.0	17
2014	Integrated guidance and control of guided projectile with multiple constraints based on fuzzy adaptive and dynamic surface. Defence Technology, 2020, 16, 1130-1141.	2.1	20
2015	Anti-Disturbance Control Based on Cascade ESO and Sliding Mode Control for Gimbal System of Double Gimbal CMG. IEEE Access, 2020, 8, 5644-5654.	2.6	23
2016	Adaptive Nonlinear Control Algorithm for a Self-Balancing Robot. IEEE Access, 2020, 8, 3751-3760.	2.6	12
2017	Characteristics of Position and Pressure Control of Separating Metering Electro-Hydraulic Servo System with Varying Supply Pressure for Rolling Shear. Applied Sciences (Switzerland), 2020, 10, 435.	1.3	0
2018	Anti-disturbance trajectory tracking of quadrotor vehicles via generalized extended state observer. JVC/Journal of Vibration and Control, 2020, 26, 1173-1186.	1.5	9
2019	Finite-time Backstepping for Attitude Tracking with Disturbances and Input Constraints. International Journal of Control, Automation and Systems, 2020, 18, 1487-1497.	1.6	8
2020	Active disturbance rejection temperature control of open-cathode proton exchange membrane fuel cell. Applied Energy, 2020, 261, 114381.	5.1	116
2021	Vision-based optimization of the generalized predictive active disturbance rejection controller. Journal of Visual Communication and Image Representation, 2020, 71, 102728.	1.7	0
2022	A linear discrete-time extended state observer-based intelligent PD controller for a 12 DOFs lower limb exoskeleton LLE-RePA. Mechanical Systems and Signal Processing, 2020, 138, 106547.	4.4	33
2023	Dual-loop integral sliding mode control for robust trajectory tracking of a quadrotor. International Journal of Systems Science, 2020, 51, 203-216.	3.7	29
2024	A Nonlinear Extended State Observer for Sensorless IPMSM Drives With Optimized Gains. IEEE Transactions on Industry Applications, 2020, 56, 1485-1494.	3.3	25
2025	The selection criterion of nominal model in active disturbance rejection control for non-affine uncertain systems. Journal of the Franklin Institute, 2020, 357, 3365-3386.	1.9	5
2026	Improved Equivalent-Input-Disturbance Approach Based on $H_{\infty}$ Control. IEEE Transactions on Industrial Electronics, 2020, 67, 8670-8679.	5.2	17

#	ARTICLE	IF	CITATIONS
2027	Extended State Filter Based Disturbance and Uncertainty Mitigation for Nonlinear Uncertain Systems With Application to Fuel Cell Temperature Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10682-10692.	5.2	37
2028	Combined Vector Resonant and Active Disturbance Rejection Control for PMSLM Current Harmonic Suppression. IEEE Transactions on Industrial Informatics, 2020, 16, 5691-5702.	7.2	49
2029	Stabilization of switched nonlinear systems with dynamic output quantization and disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 1679-1695.	2.1	9
2030	Dynamic Pricing-Based Resilient Strategy Design for Cloud Control System Under Jamming Attack. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 111-122.	5.9	13
2031	ADRC-ESMPC active heave compensation control strategy for offshore cranes. Ships and Offshore Structures, 2020, 15, 1098-1106.	0.9	18
2032	Moving Path Following With Prescribed Performance and Its Application on Automatic Carrier Landing. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2576-2590.	2.6	19
2033	Active disturbance rejection control for uncertain time-delay nonlinear systems. Automatica, 2020, 112, 108692.	3.0	70
2034	Delay Compensation of Demand Response and Adaptive Disturbance Rejection Applied to Power System Frequency Control. IEEE Transactions on Power Systems, 2020, 35, 2037-2046.	4.6	52
2035	Anti-windup design of active disturbance rejection control for sampled systems with input delay. International Journal of Robust and Nonlinear Control, 2020, 30, 1311-1327.	2.1	9
2036	Disturbance-Observer-Based Tracking Controller for Neural Network Driving Policy Transfer. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3961-3972.	4.7	6
2037	Proximate time optimal for the heading control of underactuated autonomous underwater vehicle with input nonlinearities. Applied Ocean Research, 2020, 95, 102002.	1.8	23
2038	Robust disturbance rejection methodology for unstable non-minimum phase systems via disturbance observer. ISA Transactions, 2020, 100, 1-12.	3.1	10
2039	Nonlinear adaptive output feedback robust control of hydraulic actuators with largely unknown modeling uncertainties. Applied Mathematical Modelling, 2020, 79, 824-842.	2.2	45
2040	6-DOF formation keeping control for an invariant three-craft triangular electromagnetic formation. Advances in Space Research, 2020, 65, 312-325.	1.2	12
2041	Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multiagent Systems With Time-Varying Communication Topologies. IEEE Transactions on Automatic Control, 2020, 65, 4340-4347.	3.6	12
2042	Active disturbance rejection consensus control of uncertain high-order nonlinear multi-agent systems. Transactions of the Institute of Measurement and Control, 2020, 42, 604-617.	1.1	3
2043	ADRC Dynamic Stabilization of an Unstable Heat Equation. IEEE Transactions on Automatic Control, 2020, 65, 4424-4429.	3.6	25
2044	A Third-Order Super-Twisting Extended State Observer for Dynamic Performance Enhancement of Sensorless IPMSM Drives. IEEE Transactions on Industrial Electronics, 2020, 67, 5948-5958.	5.2	39

#	ARTICLE	IF	CITATIONS
2045	Physic-based and control-oriented modeling based robust control for soft dielectric elastomer actuator. <i>Smart Materials and Structures</i> , 2020, 29, 035026.	1.8	10
2046	Backlash-Compensated Active Disturbance Rejection Control of Nonlinear Multi-Input Series Elastic Actuators. , 2020, , .		1
2047	New Stability Conditions for Time Delay Control of Nonlinear Systems. , 2020, , .		3
2048	Adaptive active disturbance rejection control guaranteeing uniformly ultimate boundedness and simplicity. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 7278-7294.	2.1	10
2049	Output feedback disturbance rejection control for building structure systems subject seismic excitations. <i>Measurement and Control</i> , 2020, 53, 1616-1624.	0.9	3
2050	Continuous PID-SMC based on improved EHGO for robot manipulators with limited state measurements. <i>Journal of the Franklin Institute</i> , 2020, 357, 10648-10668.	1.9	7
2051	Disturbance rejection via feedforward compensation using an enhanced equivalent-input-disturbance approach. <i>Journal of the Franklin Institute</i> , 2020, 357, 10977-10996.	1.9	17
2052	Compensated model-free adaptive tracking control scheme for autonomous underwater vehicles via extended state observer. <i>Ocean Engineering</i> , 2020, 217, 107976.	1.9	22
2053	Discrete-time adaptive control of uncertain sampled-data systems with uncertain input delay: a reduction. <i>IET Control Theory and Applications</i> , 2020, 14, 1681-1691.	1.2	6
2054	Active-Damping Disturbance-Rejection Control Strategy of <i>LCL</i> Grid-Connected Inverter Based on Inverter-Side-Current Feedback. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021, 9, 7183-7198.	3.7	13
2055	A New Nonlinear Active Disturbance Rejection Control for the Cable Car System to Restrain the Vibration. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	3
2056	A transformed proportional-integral-derivative controller for a multi-vectored propeller aerostat with independent actuator magnitude and rate saturations. <i>Science Progress</i> , 2020, 103, 36850420950123.	1.0	0
2057	The temperature-controlled system of variable thermal resistance based on self-powered thermoelectric effect. <i>AIP Advances</i> , 2020, 10, 075318.	0.6	1
2058	Fractional-Order Predictive PI Controller for Dead-Time Processes With Set-Point and Noise Filtering. <i>IEEE Access</i> , 2020, 8, 183759-183773.	2.6	25
2059	Input-to-state stabilization of an ODE-wave system with disturbances. <i>Mathematics of Control, Signals, and Systems</i> , 2020, 32, 489-515.	1.4	3
2060	DC Bus Voltage Control of Grid-Side Converter in Permanent Magnet Synchronous Generator Based on Improved Second-Order Linear Active Disturbance Rejection Control. <i>Energies</i> , 2020, 13, 4592.	1.6	12
2061	Active disturbance rejection control strategy applied to cathode humidity control in PEMFC system. <i>Energy Conversion and Management</i> , 2020, 224, 113389.	4.4	47
2062	Load Frequency Regulation using Linear Active Disturbance Rejection Control Technique. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
2063	Control of a Tilting Hexacopter under Wind Disturbance. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	0.6	3
2064	Decentralized active disturbance rejection control design for the gas turbine. <i>Measurement and Control</i> , 2020, 53, 1589-1601.	0.9	16
2065	Dual-mode global stabilization of high-order saturated integrator chains: LMI-based MPC combined with a nested saturated feedback. <i>Nonlinear Dynamics</i> , 2020, 102, 211-222.	2.7	3
2066	Dynamic feedback stabilization of an unstable wave equation. <i>Automatica</i> , 2020, 121, 109165.	3.0	5
2067	A New Three-Motor Drive System Using Fuzzy Active Disturbance Rejection Control. <i>Automatic Control and Computer Sciences</i> , 2020, 54, 207-215.	0.4	4
2068	Emergency obstacle avoidance trajectory tracking control based on active disturbance rejection for autonomous vehicles. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142092110.	1.3	3
2069	Active disturbance rejection control strategy for airborne radar stabilization platform based on cascade extended state observer. <i>Assembly Automation</i> , 2020, 40, 613-624.	1.0	7
2070	The Study of Mechanical Arm and Intelligent Robot. <i>IEEE Access</i> , 2020, 8, 119624-119634.	2.6	15
2071	A Novel Compound Nonlinear State Error Feedback Super-Twisting Fractional-Order Sliding Mode Control of PMSM Speed Regulation System Based on Extended State Observer. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-15.	0.6	3
2072	An Energy-Saving Output Feedback Control of Single-Rod Electrohydraulic Servo System with Disturbance Observer. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	1
2073	Combined internal resistance and state-of-charge estimation of lithium-ion battery based on extended state observer. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109994.	8.2	82
2074	Data rate for output feedback consensus of uncertain nonlinear multiagent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 5430-5445.	2.1	6
2075	On the stability and convergence rate analysis for the nonlinear uncertain systems based upon active disturbance rejection control. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 5728-5750.	2.1	26
2076	Multiple observers based anti-disturbance control for a quadrotor UAV against payload and wind disturbances. <i>Control Engineering Practice</i> , 2020, 102, 104560.	3.2	107
2077	Modified GESO based Control for Systems with Sinusoidal Disturbances. <i>IFAC-PapersOnLine</i> , 2020, 53, 19-26.	0.5	1
2078	Disturbance Observers: Methods and Applications. II. Applications. <i>Automation and Remote Control</i> , 2020, 81, 1775-1818.	0.4	13
2079	Functional Electrical Stimulation based Bicep Force Control via Active Disturbance Rejection Control. , 2020, , .		1
2080	Active disturbance rejection sliding mode control for robot manipulation. <i>Journal of Intelligent Manufacturing and Special Equipment</i> , 2020, 1, 67-85.	0.6	3

#	ARTICLE	IF	CITATIONS
2081	Disturbance Observers: Methods and Applications. I. Methods. Automation and Remote Control, 2020, 81, 1563-1610.	0.4	24
2082	ARSS: A Novel Aerial Robot Performs Tree Pruning Tasks. Discrete Dynamics in Nature and Society, 2020, 2020, 1-14.	0.5	2
2083	Robust state-error port-controlled Hamiltonian trajectory tracking control for unmanned surface vehicle with disturbance uncertainties. Asian Journal of Control, 2022, 24, 320-332.	1.9	10
2084	Chaos suppression in speed control for permanent-magnet-synchronous-motor drive system. Journal of the Franklin Institute, 2020, 357, 13283-13303.	1.9	14
2085	A new nonlinear extended state observer design for output tracking of uncertain nonlinear systems. Advanced Control for Applications, 2021, 3, e46.	0.8	6
2086	Robust State of Charge estimation for Li-ion batteries based on Extended State Observers. Journal of Energy Storage, 2020, 31, 101718.	3.9	16
2087	An extended state observer for a class of nonlinear systems with a new frequency-domain analysis on convergence. ISA Transactions, 2020, 107, 107-116.	3.1	6
2088	Disturbance Observer-Based Discrete Sliding-Mode Control for a Marine Diesel Engine with Variable Sampling Control Technique. Journal of Control Science and Engineering, 2020, 2020, 1-17.	0.8	3
2089	Active disturbance rejection attitude control for the dove flapping wing micro air vehicle in intermittent flapping and gliding flight. International Journal of Micro Air Vehicles, 2020, 12, 175682932094308.	1.0	3
2090	A consensus-based square-root cubature Kalman filter for manoeuvring target tracking in sensor networks. Transactions of the Institute of Measurement and Control, 2020, 42, 3052-3062.	1.1	8
2091	Dynamic stabilisation for an Euler-Bernoulli beam equation with boundary control and matched nonlinear disturbance. International Journal of Control, 2022, 95, 626-640.	1.2	5
2092	Output Feedback Control for Active Suspension Electro-hydraulic Actuator Systems with a Novel Sampled-data Nonlinear Extended State Observer. IEEE Access, 2020, , 1-1.	2.6	6
2093	Control System Design of a Three-Phase Active Front End Using a Sliding-Mode Observer. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 739-748.	5.9	12
2094	Disturbance Force Self-Sensing and Suppression Method for AMB-Rotor System Based on Disturbance Observer. IEEE Sensors Journal, 2020, , 1-1.	2.4	9
2095	Research on variable mass control of series manipulator based on linear active disturbance rejection control. Measurement and Control, 2020, 53, 1194-1202.	0.9	4
2096	Load-Frequency Control Strategy of Power Grid with High Penetration Wind Power Based on Active Disturbance Rejection Control. Journal of Physics: Conference Series, 2020, 1550, 062022.	0.3	1
2097	Bottom-Following Control of Underactuated Unmanned Undersea Vehicles With Input Saturation. IEEE Access, 2020, 8, 120489-120500.	2.6	5
2098	Adaptive Neural Motion Control of a Quadrotor UAV. Vehicles, 2020, 2, 468-490.	1.7	6

#	ARTICLE	IF	CITATIONS
2099	Wind Power Production based on DFIG: Modeling and Control by ADRC. , 2020, , .		6
2100	Dynamic Modeling and Improved Control of a Grid-Connected DFIG Used in Wind Energy Conversion Systems. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	10
2101	Linear Active Disturbance Rejection Control of Grid-Connected Photovoltaic Inverter Based on Deviation Control Principle. Energies, 2020, 13, 3790.	1.6	8
2102	Wind disturbance rejection for unmanned aerial vehicles using acceleration feedback enhanced \$\$H_{\infty}\$\$ method. Autonomous Robots, 2020, 44, 1271-1285.	3.2	4
2103	Design of ADRC for Second-Order Mechanical Systems without Time-Derivatives in the Tracking Controller. , 2020, , .		6
2104	A Design Method of Optimal PID-Based Repetitive Control Systems. IEEE Access, 2020, 8, 139625-139633.	2.6	10
2105	A Novel Visual Sensor Stabilization Platform for Robotic Sharks Based on Improved LADRC and Digital Image Algorithm. Sensors, 2020, 20, 4060.	2.1	6
2106	Robust model reference adaptive control for transient performance enhancement. International Journal of Robust and Nonlinear Control, 2020, 30, 6207-6228.	2.1	15
2107	Review and new theoretical perspectives on active disturbance rejection control for uncertain finite-dimensional and infinite-dimensional systems. Nonlinear Dynamics, 2020, 101, 935-959.	2.7	35
2108	Target Force Tracking and Automatic Contour Surface Processing in Grinding of Industrial Robots. , 2020, , .		6
2109	Adaptive control of missile attitude based on BPâ€“ADRC. Aircraft Engineering and Aerospace Technology, 2020, 92, 1475-1481.	0.7	13
2110	Improved Phase Plane Attitude Control of Space Vehicles with Extended State Observer Considering Disturbance and Thruster Dynamics. , 2020, , .		0
2111	Sliding Mode Adaptive Robust Control for High-Speed Trains Based on Improved Approach Rate. , 2020, , .		0
2112	Design, Validation and Comparison of Path Following Controllers for Autonomous Vehicles. Sensors, 2020, 20, 6052.	2.1	5
2113	Research on ADRC Based Control Algorithm of Common Rail Pressure for Diesel Engines. , 2020, , .		2
2114	Research on Direct Position Servo Control of Voice Coil Motor with LCL Filter Based on Active Disturbance Rejection Control. , 2020, , .		1
2115	Radial Position Control of a Bearingless Machine with Active Disturbance Rejection Control. , 2020, , .		1
2116	Multi-Objective Intelligent Optimization of Superheated Steam Temperature Control Based on Cascaded Disturbance Observer. Sustainability, 2020, 12, 8235.	1.6	6

#	ARTICLE	IF	CITATIONS
2117	Research on SCESS-DFIG DC Bus Voltage Fluctuation Suppression Strategy for Frequency Inertia Regulation of Power Grid. IEEE Access, 2020, 8, 173933-173948.	2.6	7
2118	Design and Control of an Index Finger Exoskeleton with Cable-Driven Translational Joints. , 2020, , .		5
2119	Enhanced battery controller for inertia support in residential microgrid based on active disturbance rejection control. Electric Power Systems Research, 2020, 189, 106646.	2.1	5
2120	Mathcal {H}_\infty-Based Terrain Disturbance Rejection for Hydraulically Actuated Mobile Manipulators With a Nonrigid Link. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2523-2533.	3.7	16
2121	Combined Feedforward Control and Disturbance Rejection Control Design for a Wafer Stage: A Data-Driven Approach Based on Iterative Parameter Tuning. IEEE Access, 2020, 8, 181224-181232.	2.6	4
2122	Tuning of Linear Active Disturbance Rejection Controllers Based On Step Response Curves. IEEE Access, 2020, 8, 180869-180882.	2.6	10
2123	A Modeling Method for the Driving Process of Heavy-Haul Train Based on Multi-Mass Model. IEEE Access, 2020, 8, 185548-185556.	2.6	3
2124	Research on EHA Control Strategy Used in Tank Gun. , 2020, , .		0
2125	Extended State Observer-based Backstepping Sliding Mode Controller for DMS Heading Control. , 2020, , .		1
2126	Predictor-based fractional disturbance rejection control for LTI fractional-order systems with input delay. Transactions of the Institute of Measurement and Control, 2020, 42, 3303-3319.	1.1	0
2127	Active Disturbance Rejection Control for Grasping Force Tracking. , 2020, , .		1
2128	Output Feedback Control via Linear Extended State Observer for an Uncertain Manipulator with Output Constraints and Input Dead-Zone. Electronics (Switzerland), 2020, 9, 1355.	1.8	20
2129	Improved Application of Third-Order LADRC in Wind Power Inverter. Energies, 2020, 13, 4412.	1.6	4
2130	Control Strategy for the Pseudo-Driven Wheels of Multi-Wheeled Mobile Robots Based on Dissociation by Degrees-of-Freedom. IEEE Access, 2020, 8, 155477-155491.	2.6	1
2131	Modified ADRC for Inertial Stabilized Platform With Corrected Disturbance Compensation and Improved Speed Observer. IEEE Access, 2020, 8, 157703-157716.	2.6	6
2132	Model-Free Control Using Nonlinear Extended State Observer and Non-singular Fast Terminal Sliding Mode for Quadrotor Position and Attitude. , 2020, , .		2
2133	Adaptive Sliding Mode Based Position Tracking Control for PMSM Drive System With Desired Nonlinear Friction Compensation. IEEE Access, 2020, 8, 166150-166163.	2.6	7
2134	Command filtered robust control of nonlinear systems with full-state time-varying constraints and disturbances rejection. Nonlinear Dynamics, 2020, 101, 2325-2342.	2.7	16

#	ARTICLE	IF	CITATIONS
2135	ADRC-Based Cascade Control for Low-order Nonlinear Cascade Systems with Time-Varying Uncertainties. , 2020, , .		0
2136	Single-Parameter-Tuned Attitude Control for Quadrotor with Unknown Disturbance. Applied Sciences (Switzerland), 2020, 10, 5564.	1.3	5
2137	A novel active disturbance rejection control with hyperbolic tangent function for path following of underactuated marine surface ships. Measurement and Control, 2020, 53, 1579-1588.	0.9	4
2138	NESO-Based Path Following Control for Underactuated Hovercrafts with Unknown Nonlinear Uncertainties and a Safety Limit Constraint. Applied Sciences (Switzerland), 2020, 10, 5287.	1.3	2
2139	Research on D-STATCOM Double Closed-Loop Control Method Based on Improved First-Order Linear Active Disturbance Rejection Technology. Energies, 2020, 13, 3958.	1.6	6
2140	A fast integral sliding mode controller with an extended state observer for position control of permanent magnet synchronous motor servo systems. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1239-1250.	1.5	6
2141	Path-Following Control for Self-driving Forklifts based on Cascade Disturbance Rejection with Coordinates Reconstruction. , 2020, , .		4
2142	Precision Tracking Control of Piezoelectric-Driven Motion System Based on Enhanced ADRC. , 2020, , .		2
2143	Stabilization for a Hybrid System of Elasticity with Boundary Disturbances. Journal of Systems Science and Complexity, 2020, 33, 1873-1885.	1.6	5
2144	Disturbance Rejection Control Using a Novel Velocity Fusion Estimation Method for Levitation Control Systems. IEEE Access, 2020, 8, 173092-173102.	2.6	3
2145	Control Performance Improvement of Engine Speed Controller using Tracking Differentiator in the Crank-angle Domain. , 2020, , .		0
2146	Modeling and Simulation of a Single Gain Tuning ADRC Controller in Matlab/Simulink. , 2020, , .		2
2147	Active Disturbance Rejection Control Design Based on Probabilistic Robustness for Uncertain Systems. Industrial & Engineering Chemistry Research, 2020, 59, 18070-18087.	1.8	16
2148	Path-Following Control for Connected Self-driving Rollers with Preview Distance Online Optimization. , 2020, , .		3
2149	Observers and Disturbance Rejection Control for a Heat Equation. IEEE Transactions on Automatic Control, 2020, 65, 4957-4964.	3.6	5
2150	Second-Order Linear Active Disturbance Rejection Control and Stability Analysis of Energy Storage Grid-Connected Inverter. IEEE Access, 2020, 8, 160738-160748.	2.6	6
2151	Research on phase compensation of noise-disturbed signal based on Taylor's formula. , 2020, , .		0
2152	Linear-Extended-State-Observer Based Pinning Control of Nonlinear Multi-Robots System. IEEE Access, 2020, 8, 144522-144528.	2.6	2



#	ARTICLE	IF	CITATIONS
2153	Dual Closed-Loop Linear Active Disturbance Rejection Control of Grid-Side Converter of Permanent Magnet Direct-Drive Wind Turbine. <i>Energies</i> , 2020, 13, 1090.	1.6	10
2154	Sliding Mode Based Mode Free Control of Electro-Hydraulic System with Extended State Observer. , 2020, , .		2
2155	Rejecting the effects of both input disturbance and measurement noise: A second-order control system example. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6813-6837.	2.1	9
2156	Antidisturbance Control for AUV Trajectory Tracking Based on Fuzzy Adaptive Extended State Observer. <i>Sensors</i> , 2020, 20, 7084.	2.1	17
2157	Active Disturbance Rejection Control Based Control Strategy for Virtual Synchronous Generators. <i>IEEE Transactions on Energy Conversion</i> , 2020, 35, 1747-1761.	3.7	17
2158	On validation of neural modified extended state observer through analysis and experimentation. <i>Asian Journal of Control</i> , 2022, 24, 249-258.	1.9	3
2159	Adaptive Nonlinear Control for the Stabilized Platform With Disturbance and Input Saturation. <i>IEEE Access</i> , 2020, 8, 200774-200788.	2.6	1
2160	Extended state observer based sliding mode control with prescribed performance for underwater vehicle manipulator system. , 2020, , .		1
2161	Research on Compensation of Three-Phase Unbalanced Voltage of Microgrid Based on LADRC. , 2020, , .		2
2162	Terminal Traction Control of Teleoperation Manipulator With Random Jitter Disturbance Based on Active Disturbance Rejection Sliding Mode Control. <i>IEEE Access</i> , 2020, 8, 220246-220262.	2.6	8
2163	Robust control of a DC motor. <i>Heliyon</i> , 2020, 6, e05777.	1.4	9
2164	On the Equivalence between PID-like controller and LADRC for second-order systems. , 2020, , .		3
2165	Active Disturbance Rejection Control of Synchronous Reluctance Motors. , 2020, , .		0
2166	Predictive ESO design for Manned Mars Landing. , 2020, , .		0
2167	Practical Energy Dissipation Control of Near Space Glider on Independent Longitudinal Plane. <i>International Journal of Aerospace Engineering</i> , 2020, 2020, 1-22.	0.5	0
2168	Control and Performance Analysis of Variable Speed Pump-Controlled Asymmetric Cylinder Systems under Four-Quadrant Operation. <i>Actuators</i> , 2020, 9, 123.	1.2	8
2169	Reconstruction of pitchfork bifurcation with exogenous disturbances based on equivalent-input-disturbance approach. <i>Nonlinear Dynamics</i> , 2020, 102, 2699-2709.	2.7	6
2170	Model-Free Predictive Current Control of PWM Rectifier Under Unbalanced and Distorted Network. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
2171	Active Disturbance Rejection Control for DC/DC Converters in MTDC Systems. , 2020, , .		0
2172	Investigation of the Hydraulic Servo System of the Rolling Mill Using Nonsingular Terminal Sliding Mode-Active Disturbance Rejection Control. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	6
2173	Design of ship course-keeping system via active disturbance rejection control. Procedia Computer Science, 2020, 176, 3310-3317.	1.2	2
2174	Qualitative indicator-based guidance scheme for bank-to-turn missiles against couplings and maneuvering targets. Aerospace Science and Technology, 2020, 106, 106196.	2.5	4
2175	An enhanced anti-disturbance attitude control for the unmanned aerial vehicle subject to multiple disturbances. Systems Science and Control Engineering, 2020, 8, 569-575.	1.8	1
2176	High-Order Differential Feedback Control for Quadrotor UAV: Theory and Experimentation. Electronics (Switzerland), 2020, 9, 2001.	1.8	10
2177	Hydraulic Control Research of Working Device of Grab Arm Cleaning Machine for Heavy Load and Large Depth. Journal of Physics: Conference Series, 2020, 1605, 012094.	0.3	0
2178	Sliding Mode ADRC Control Strategy for Three-Phase Vienna Rectifier. IOP Conference Series: Earth and Environmental Science, 2020, 529, 012002.	0.2	0
2179	Fuzzy Active Disturbance Rejection Control for Direct Driven Exoskeleton of Swing Leg. , 2020, , .		1
2180	Analysis of an Impact of Inertia Parameter in Active Disturbance Rejection Control Structures. Electronics (Switzerland), 2020, 9, 1801.	1.8	4
2181	Active Disturbance Rejection Position Synchronous Control of Dual-Hydraulic Actuators with Unknown Dead-Zones. Sensors, 2020, 20, 6124.	2.1	7
2182	System construction of a four-side primary permanent-magnet linear motor drive mechanical press. Frontiers of Mechanical Engineering, 2020, 15, 600-609.	2.5	2
2183	Research on Linear Active Disturbance Rejection Control of Linear Motor XY Motion Platform. , 2020, , .		3
2184	Nonlinear Active Disturbance Rejection Control of VGT-EGR System in Diesel Engines. Energies, 2020, 13, 5331.	1.6	5
2185	A robust distributed secondary voltage control method for islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 121, 105938.	3.3	18
2186	Finite-time tracking control for a class of nonlinear systems with multiple mismatched disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 4095-4111.	2.1	20
2187	Backstepping Sliding-Mode and Cascade Active Disturbance Rejection Control for a Quadrotor UAV. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2743-2753.	3.7	109
2188	Disturbance Rejection Control With Voltage Constraint for Electro-Hydraulic System Involving Unknown Dead-Zones and Drastic Supply Pressure Variation. IEEE Access, 2020, 8, 84551-84568.	2.6	3

#	ARTICLE	IF	CITATIONS
2189	Observer-Based Robust Control for Uncertain Euler–Lagrange Systems with Input Delay. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 1556-1565.	1.6	3
2190	Torque Control of Electric Power Steering Systems Based on Improved Active Disturbance Rejection Control. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	0.6	11
2191	Displacement Tracking Control for Continuous Casting Mold Driven by Servo Motor Based on Composite Control Strategy. <i>ISIJ International</i> , 2020, 60, 628-635.	0.6	2
2192	An Energy Balance Active Disturbance Rejection Control for Improving Converter Stability While Maintaining Fast Dynamic Performance. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 11304-11309.	5.4	15
2193	Trajectory tracking for a wheeled mobile robot with an omnidirectional wheel on uneven ground. <i>IET Control Theory and Applications</i> , 2020, 14, 921-929.	1.2	22
2194	Linear Active Disturbance Rejection Control of a Two-Degrees-of-Freedom Manipulator. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-19.	0.6	6
2195	An optimal multiphase homing methodology for powered parafoil systems. <i>Optimal Control Applications and Methods</i> , 2020, 41, 1118-1142.	1.3	3
2196	Load Frequency Control of Power Systems Based on ADRC. <i>E3S Web of Conferences</i> , 2020, 165, 06041.	0.2	0
2197	A modified active disturbance rejection control for fast steering mirror in aerospace application. <i>Journal of Physics: Conference Series</i> , 2020, 1509, 012028.	0.3	0
2198	Anti-Disturbance Control for Quadrotor UAV Manipulator Attitude System Based on Fuzzy Adaptive Saturation Super-Twisting Sliding Mode Observer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3719.	1.3	19
2199	Design of a Rapid Tangent Sigmoid Function Tracking Differentiator. , 2020, , .		7
2200	A Linear Active Disturbance Rejection Control Approach to Position Synchronization Control for Networked Interconnected Motion System. <i>IEEE Transactions on Control of Network Systems</i> , 2020, 7, 1746-1756.	2.4	19
2201	U-Model-Based Active Disturbance Rejection Control for the Dissolved Oxygen in a Wastewater Treatment Process. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-14.	0.6	15
2202	A Parallel Estimation System of Stator Resistance and Rotor Speed for Active Disturbance Rejection Control of Six-Phase Induction Motor. <i>Energies</i> , 2020, 13, 1121.	1.6	12
2203	Robust Output Path-Following Control of Marine Surface Vessels with Finite-Time LOS Guidance. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 275.	1.2	3
2204	Load Frequency Control of Pumped Storage Power Station Based on LADRC. <i>Processes</i> , 2020, 8, 380.	1.3	11
2205	Feedback and uncertainty: Some basic problems and results. <i>Annual Reviews in Control</i> , 2020, 49, 27-36.	4.4	24
2206	A Novel Design of a Neural Network-Based Fractional PID Controller for Mobile Robots Using Hybridized Fruit Fly and Particle Swarm Optimization. <i>Complexity</i> , 2020, 2020, 1-18.	0.9	70

#	ARTICLE	IF	CITATIONS
2207	Output feedback stabilization of uncertain nonholonomic systems with external disturbances via active disturbance rejection control. ISA Transactions, 2020, 104, 245-254.	3.1	23
2208	An error-based active disturbance rejection control with memory structure. Measurement and Control, 2021, 54, 724-736.	0.9	8
2209	A novel adaptive second-order nonsingular terminal sliding mode guidance law design. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2263-2273.	0.7	3
2210	Observer-Based Design to Mathematically Model Human Behavior in a Cursor Tracking Game. , 2020, , .		0
2211	A Practical Precision Control Method Base on Linear Extended State Observer and Friction Feedforward of Permanent Magnet Linear Synchronous Motor. IEEE Access, 2020, 8, 68226-68238.	2.6	16
2212	Disturbance rejection and performance analysis for nonlinear systems based on nonlinear equivalent-input-disturbance approach. Nonlinear Dynamics, 2020, 100, 3497-3511.	2.7	18
2213	An efficient fast altitude control for hypersonic vehicle. Control Engineering Practice, 2020, 100, 104426.	3.2	13
2214	Active disturbance rejection control for electric cylinders with PD-type event-triggering condition. Control Engineering Practice, 2020, 100, 104448.	3.2	15
2215	Single-Phase Reactive Power Compensation Control for STATCOMs via Unknown System Dynamics Estimation. Mathematical Problems in Engineering, 2020, 2020, 1-9.	0.6	3
2216	Adaptive Proxy-Based Robust Control Integrated With Nonlinear Disturbance Observer for Pneumatic Muscle Actuators. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1756-1764.	3.7	31
2217	Linear Active Disturbance Rejection Control for DC Bus Voltage Under Low-Voltage Ride-Through at the Grid-Side of Energy Storage System. Energies, 2020, 13, 1207.	1.6	5
2218	Observer based finite-time fault tolerant quadrotor attitude control with actuator faults. Aerospace Science and Technology, 2020, 104, 105968.	2.5	52
2219	Fixed-time observer based adaptive neural network time-varying formation tracking control for multi-agent systems via minimal learning parameter approach. IET Control Theory and Applications, 2020, 14, 1147-1157.	1.2	21
2220	Linear ADRC for Speed Control of 5-Phase PMSM-based Electric Vehicles. , 2020, , .		9
2221	Design and Simulation of a Novel Subsynchronous Control Interaction Damping Controller. , 2020, , .		1
2222	Research on LADRC strategy of PMSM for road-sensing simulation based on differential evolution algorithm. Journal of Power Electronics, 2020, 20, 958-970.	0.9	10
2223	Leader-follower formation control of surface vehicles: A fixed-time control approach. ISA Transactions, 2022, 124, 356-364.	3.1	32
2224	Transformerless single-phase unified power quality conditioner of no circulating current. IET Power Electronics, 2020, 13, 970-980.	1.5	11

#	ARTICLE	IF	CITATIONS
2225	Unmanned Aerial Vehicles (UAVs): Collision Avoidance Systems and Approaches. IEEE Access, 2020, 8, 105139-105155.	2.6	158
2226	Moving sliding mode controller for overhead cranes suffering from matched and unmatched disturbances. Transactions of the Institute of Measurement and Control, 2022, 44, 60-75.	1.1	25
2227	Active Disturbance Rejection Controller Based Heading Control of Underwater Flight Vehicles. Journal of Shanghai Jiaotong University (Science), 2020, 25, 441-446.	0.5	6
2228	Robust tracking control of quadrotor based on flatness and active disturbance rejection control. IET Control Theory and Applications, 2020, 14, 1057-1068.	1.2	27
2229	Model-free active input-output feedback linearization of a single-link flexible joint manipulator: An improved active disturbance rejection control approach. Measurement and Control, 2021, 54, 856-871.	0.9	31
2230	Optimal Nonlinear Controller Design for Different Classes of Nonlinear Systems Using Black Hole Optimization Method. Arabian Journal for Science and Engineering, 2020, 45, 7033-7053.	1.7	6
2231	An Accurate Discrete Current Controller for High-Speed PMSMs/Gs in Flywheel Applications. Energies, 2020, 13, 1458.	1.6	3
2232	New Double Closed Loop Linear Active Disturbance Rejection Control of Energy Storage Grid-Connected Inverter Based on Lead-Lag Correction Link. IEEE Access, 2020, 8, 105411-105425.	2.6	8
2233	Reactive Power Compensation by ADRC in Vehicle To Grid Application during Grid Fault Conditions. , 2020, , .		1
2234	Identification of differentially flat output of underactuated dynamic systems. International Journal of Control, 2020, , 1-12.	1.2	0
2235	Multilayer neural networks-based control of underwater vehicles with uncertain dynamics and disturbances. Nonlinear Dynamics, 2020, 100, 3555-3573.	2.7	30
2236	Chattering Free Distributed Consensus Control for Attitude Tracking of Spacecraft Formation System with Unmeasurable Angular Velocity. International Journal of Control, Automation and Systems, 2020, 18, 2277-2288.	1.6	10
2237	Sliding Mode Disturbance Observer Control Based on Adaptive Hybrid Projective Compound Combination Synchronization in Fractional-Order Chaotic Systems. Journal of Control, Automation and Electrical Systems, 2020, 31, 885-899.	1.2	17
2238	Modeling and controller design of a micro gas turbine for power generation. ISA Transactions, 2022, 124, 411-426.	3.1	12
2239	Application of improved active disturbance rejection control algorithm in tilt quad rotor. Chinese Journal of Aeronautics, 2020, 33, 1625-1641.	2.8	24
2240	Disturbance estimator and servomechanism based performance output tracking for a 1-d Euler-Bernoulli beam equation. Automatica, 2020, 116, 108925.	3.0	8
2241	Modified active disturbance rejection control for fluidized bed combustor. ISA Transactions, 2020, 102, 135-153.	3.1	28
2242	Tidal stream turbine control: An active disturbance rejection control approach. Ocean Engineering, 2020, 202, 107190.	1.9	30

#	ARTICLE	IF	CITATIONS
2243	Disturbance Attenuation Predictive Optimal Control for Quad-Rotor Transporting Unknown Varying Payload. IEEE Access, 2020, 8, 44671-44686.	2.6	14
2244	Coordinated Motion Control for a Wheel-Leg Robot with Speed Consensus Strategy. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	3.7	18
2245	Trajectory tracking control for a quadrotor unmanned aerial vehicle based on dynamic surface active disturbance rejection control. Transactions of the Institute of Measurement and Control, 2020, 42, 2198-2205.	1.1	34
2246	Active Vibration Control of Time-Varying Structural Systems with a Logic FxLMS Algorithm. Journal of Aerospace Engineering, 2020, 33, .	0.8	5
2247	Decoupling control of high-purity heat integrated distillation column process via active disturbance rejection control and nonlinear wave theory. Transactions of the Institute of Measurement and Control, 2020, 42, 2221-2233.	1.1	6
2248	Mitigation of forced oscillations using VSC-HVDC supplementary damping control. Electric Power Systems Research, 2020, 184, 106333.	2.1	11
2249	Contact force detection and control for robotic polishing based on joint torque sensors. International Journal of Advanced Manufacturing Technology, 2020, 107, 2745-2756.	1.5	36
2250	FPGA-Based Continuous Control Set Model Predictive Current Control for PMSM System Using Multistep Error Tracking Technique. IEEE Transactions on Power Electronics, 2020, 35, 13455-13464.	5.4	50
2251	High Precision Low-Speed Control for Permanent Magnet Synchronous Motor. Sensors, 2020, 20, 1526.	2.1	15
2252	An Adaptive Super Twisting Nonlinear Fractional Order PID Sliding Mode Control of Permanent Magnet Synchronous Motor Speed Regulation System Based on Extended State Observer. IEEE Access, 2020, 8, 53498-53510.	2.6	70
2253	Proportional-Integral-Derivative Controller Design Using an Advanced Levy-Flight Salp Swarm Algorithm for Hydraulic Systems. Energies, 2020, 13, 459.	1.6	15
2254	On active disturbance rejection control for nonlinear systems with multiple uncertainties and nonlinear measurement. International Journal of Robust and Nonlinear Control, 2020, 30, 3411-3435.	2.1	24
2255	Novel Active Disturbance Rejection Control Based on Nested Linear Extended State Observers. Applied Sciences (Switzerland), 2020, 10, 4069.	1.3	28
2256	An Active Disturbance Rejection Control-Based Voltage Control Strategy of Single-Phase Cascaded H-Bridge Rectifiers. IEEE Transactions on Industry Applications, 2020, 56, 5182-5193.	3.3	23
2257	Disturbance Rejection in Longitudinal Control for the UAS-S4 Ehcatl Design. , 2020, , .		2
2258	Finite time observer based incremental nonlinear fault-tolerant flight control. Aerospace Science and Technology, 2020, 104, 105986.	2.5	18
2259	Development of neural fractional order PID controller with emulator. ISA Transactions, 2020, 106, 293-302.	3.1	22
2260	Hybrid extended state observer based control for systems with matched and mismatched disturbances. ISA Transactions, 2020, 106, 61-73.	3.1	18

#	ARTICLE	IF	CITATIONS
2261	Improved Active Disturbance Rejection Control for Trajectory Tracking Control of Lower Limb Robotic Rehabilitation Exoskeleton. <i>Sensors</i> , 2020, 20, 3681.	2.1	23
2262	LESO-based position synchronization control for networked multi-axis servo systems with time-varying delay. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 1116-1123.	8.5	21
2263	Stable and Robust Design of Active Disturbance-Rejection Current Controller for Permanent Magnet Machines in Transportation Systems. <i>IEEE Transactions on Transportation Electrification</i> , 2020, 6, 1421-1433.	5.3	24
2264	A Discrete Nonlinear Tracking-Differentiator and Its Application in Vibration Suppression of Maglev System. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-9.	0.6	2
2265	Distributed active disturbance rejection control for Ackermann steering of a four-in-wheel motor drive vehicle with deception attacks on controller area networks. <i>Information Sciences</i> , 2020, 540, 370-389.	4.0	21
2266	Recent Philosophies of AGC Techniques in Deregulated Power Environment. <i>Journal of the Institution of Engineers (India): Series B</i> , 2020, 101, 417-433.	1.3	12
2267	Neural adaptive control for a ground experiment of the space proximity operation in a six-degree-of-freedom micro-gravity simulation system. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 2420-2433.	2.8	2
2268	Extended State Observer based Attitude Control of a Bird-like Flapping-wing Flying Robot. <i>Journal of Bionic Engineering</i> , 2020, 17, 708-717.	2.7	7
2269	ESO Architectures in the Trajectory Tracking ADR Controller for a Mechanical System: A Comparison. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1323-1335.	0.5	2
2270	Robust sensorless FCS-PCC control for inverter-based induction machine systems with high-order disturbance compensation. <i>Journal of Power Electronics</i> , 2020, 20, 1222-1231.	0.9	7
2271	A modified active disturbance rejection control for a wastewater treatment process. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2607-2619.	1.7	10
2272	Back-stepping sliding mode control for pressure regulation of oxygen mask based on an extended state observer. <i>Automatica</i> , 2020, 119, 109106.	3.0	18
2273	A review of industrial tracking control algorithms. <i>Control Engineering Practice</i> , 2020, 102, 104536.	3.2	20
2274	Composite sliding mode consensus algorithms for higher order multi-agent systems subject to disturbances. <i>IET Control Theory and Applications</i> , 2020, 14, 291-303.	1.2	8
2275	A composite control design for suppressing mutual interference of interconnected systems. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 867-875.	0.7	2
2277	On dealing with harmonic uncertainties in the class of active disturbance rejection controllers. <i>International Journal of Control</i> , 2021, 94, 2795-2810.	1.2	19
2278	Attitude Tracking Control for Rigid Spacecraft With Parameter Uncertainties. <i>IEEE Access</i> , 2020, 8, 38663-38672.	2.6	5
2279	Extended State Observer-Based Control of DC-DC Converters for Fuel Cell Application. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 9923-9932.	5.4	38

#	ARTICLE	IF	CITATIONS
2280	Nonlinear Error Feedback Positioning Control for a Pneumatic Soft Bionic Fin via an Extended State Observer. IEEE Access, 2020, 8, 12688-12696.	2.6	5
2281	Active Disturbance Compensation Based Robust Control for Speed Regulation System of Permanent Magnet Synchronous Motor. Applied Sciences (Switzerland), 2020, 10, 709.	1.3	13
2282	Online Estimation and Control for Feed Drive Systems With Unmeasurable Parameter Variations. IEEE Access, 2020, 8, 33966-33976.	2.6	5
2283	Enhanced Robust Control of a DC-DC Converter for Fuel Cell Application Based on High-Order Extended State Observer. IEEE Transactions on Transportation Electrification, 2020, 6, 278-287.	5.3	26
2284	Hybrid Visual Servoing for Rivet-in-hole Insertion Based on Super-twisting Sliding Mode Control. International Journal of Control, Automation and Systems, 2020, 18, 2145-2156.	1.6	11
2285	On the stability of ADRC for manipulators with modelling uncertainties. ISA Transactions, 2020, 102, 295-303.	3.1	45
2286	Active disturbance rejection synchronization control for parallel electro-coating conveyor. ISA Transactions, 2020, 101, 327-334.	3.1	20
2287	Linear Active Disturbance Rejection Control for Processes With Time Delays: IMC Interpretation. IEEE Access, 2020, 8, 16606-16617.	2.6	15
2288	USDE-Based Sliding Mode Control for Servo Mechanisms With Unknown System Dynamics. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1056-1066.	3.7	118
2289	A Relay Feedback Method for the Tuning of Linear Active Disturbance Rejection Controllers. IEEE Access, 2020, 8, 4542-4550.	2.6	15
2290	A structure-improved extended state observer based control with application to an omnidirectional mobile robot. ISA Transactions, 2020, 101, 335-345.	3.1	15
2291	Active disturbance rejection control of 5-degree-of-freedom bearingless permanent magnet synchronous motor based on fuzzy neural network inverse system. ISA Transactions, 2020, 101, 295-308.	3.1	32
2292	Robust uncalibrated visual stabilization for nonholonomic mobile robots. Advanced Robotics, 2020, 34, 388-399.	1.1	1
2293	An Enhanced Linear Active Disturbance Rejection Rotor Position Sensorless Control for Permanent Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2020, 35, 6175-6184.	5.4	78
2294	Design, analysis and application of a new disturbance rejection PID for uncertain systems. ISA Transactions, 2020, 101, 281-294.	3.1	28
2295	On the tracking of fast trajectories of a 3DOF torsional plant: A flatness based ADRC approach. Asian Journal of Control, 2021, 23, 1367-1379.	1.9	8
2296	CFD based parameter tuning for motion control of robotic fish. Bioinspiration and Biomimetics, 2020, 15, 026008.	1.5	16
2297	Super-twisting sliding mode control for aircraft at high angle of attack based on finite-time extended state observer. Nonlinear Dynamics, 2020, 99, 2785-2799.	2.7	43



#	ARTICLE	IF	CITATIONS
2298	Generalized-extended-state-observer-based Repetitive Control for DC Motor Servo System with Mismatched Disturbances. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 1936-1945.	1.6	16
2299	SDRE based optimal finite-time tracking control of a multi-motor driving system. <i>International Journal of Control</i> , 2021, 94, 2551-2563.	1.2	15
2300	Improved Linear Active Disturbance Rejection Controller Control Considering Bus Voltage Filtering in Permanent Magnet Synchronous Generator. <i>IEEE Access</i> , 2020, 8, 19982-19996.	2.6	18
2301	Integral Sliding-Mode Control-Based Direct Power Control for Three-Level NPC Converters. <i>Energies</i> , 2020, 13, 227.	1.6	12
2302	Altitude and Attitude Stabilization of UAV Quadrotor System using Improved Active Disturbance Rejection Control. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 1985-1999.	1.7	39
2303	Measurement delay compensated LADRC based current controller design for PMSM drives with a simple parameter tuning method. <i>ISA Transactions</i> , 2020, 101, 482-492.	3.1	30
2304	On the Principle and Applications of Conditional Disturbance Negation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6757-6767.	5.9	5
2305	Fixed-Time Active Disturbance Rejection Control and Its Application to Wheeled Mobile Robots. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7120-7130.	5.9	37
2306	Model-Free Predictive Current Control of DFIG Based on an Extended State Observer Under Unbalanced and Distorted Grid. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 8130-8139.	5.4	66
2307	Reduced-order extended state observer based event-triggered sliding mode control for DC-DC buck converter system With parameter perturbation. <i>Asian Journal of Control</i> , 2021, 23, 1591-1601.	1.9	23
2308	The Effect of ADRC on Vehicle Braking Performance. <i>Journal of Electrical Engineering and Technology</i> , 2020, 15, 705-712.	1.2	5
2309	Trajectory tracking control of a four mecanum wheeled mobile platform: an extended state observer-based sliding mode approach. <i>IET Control Theory and Applications</i> , 2020, 14, 415-426.	1.2	35
2310	Finite-time adaptive tracking control of marine vehicles with complex unknowns and input saturation. <i>Ocean Engineering</i> , 2020, 198, 106980.	1.9	40
2311	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.	2.7	16
2312	Research on thrust vector control of nonlinear solid rocket motor nozzle based on active disturbance rejection technology. <i>MATEC Web of Conferences</i> , 2020, 309, 04008.	0.1	1
2313	Adaptive Control Design for Human Handwriting Process Based on Electromyography Signals. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	3
2314	Active Disturbance Rejection Control of a Longitudinal Tunnel Ventilation System. <i>Energies</i> , 2020, 13, 1871.	1.6	3
2315	Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. <i>Control Engineering Practice</i> , 2020, 100, 104413.	3.2	43

#	ARTICLE	IF	CITATIONS
2316	Active Disturbance Rejection Control for DC Motor Laboratory Plant Learning Object. Information (Switzerland), 2020, 11, 151.	1.7	1
2317	A hybrid multi-degree-of-freedom vibration isolation platform for spacecrafts by the linear active disturbance rejection control. Applied Mathematics and Mechanics (English Edition), 2020, 41, 805-818.	1.9	13
2318	Output feedback stabilization for 1-D unstable wave equations with boundary control matched disturbance and van der Pol nonlinear boundary. IFAC Journal of Systems and Control, 2020, 12, 100085.	1.1	2
2319	Output feedback control for mobile robot systems with significant external disturbances. Science China Information Sciences, 2020, 63, 1.	2.7	7
2320	Sliding mode control of grid-connected power converters for microgrid applications. , 2020, , 3-27.		3
2321	Design of generalised active disturbance rejection control for delayed systems: an application to load frequency control. International Journal of Control, 2021, 94, 3146-3160.	1.2	14
2322	Robust trajectory tracking control for a quadrotor subject to disturbances and model uncertainties. International Journal of Systems Science, 2020, 51, 839-851.	3.7	16
2323	Nonlinear Control With High-Gain Extended State Observer for Position Tracking of Electro-Hydraulic Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2610-2621.	3.7	45
2324	Uncertainty and Disturbance Estimator-Based Robust Tracking Control for Dual-Active- Bridge Converters. IEEE Transactions on Transportation Electrification, 2020, 6, 1791-1800.	5.3	15
2325	Linear Active Disturbance Rejection Control for Three-Phase Voltage-Source PWM Rectifier. IEEE Access, 2020, 8, 45050-45060.	2.6	26
2326	Disturbance Observer Based Controller Under Noisy Measurement for Tracking of nDOF Uncertain Mismatched Nonlinear Interconnected Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1600-1611.	3.7	10
2327	Improved Active Disturbance Rejection-Based Decentralized Control for MIMO Nonlinear Systems: Comparison with The Decoupled Control Scheme. Applied Sciences (Switzerland), 2020, 10, 2515.	1.3	26
2328	ADRC-Based Robust and Resilient Control of a 5-Phase PMSM Driven Electric Vehicle. Machines, 2020, 8, 17.	1.2	28
2329	HFO-LADRC Lateral Motion Controller for Autonomous Road Sweeper. Sensors, 2020, 20, 2274.	2.1	9
2330	Impact Angle Control Guidance Law With Seeker's Field-of-View Constraint Based on Logarithm Barrier Lyapunov Function. IEEE Access, 2020, 8, 68268-68279.	2.6	11
2331	Bending diagnosis of rice seedling lines and guidance line extraction of automatic weeding equipment in paddy field. Mechanical Systems and Signal Processing, 2020, 142, 106791.	4.4	21
2332	Robust time-varying formation design for multiagent systems with disturbances: Extended state observer method. International Journal of Robust and Nonlinear Control, 2020, 30, 2796-2808.	2.1	85
2333	Parameters Tuning of Reduced-Order Active Disturbance Rejection Control. IEEE Access, 2020, 8, 72528-72536.	2.6	11

#	ARTICLE	IF	CITATIONS
2334	Speed Control for the Pitching Axis of a Remote Sensing Camera Using an Improved Active Disturbance Rejection Controller. International Journal of Control, Automation and Systems, 2020, 18, 2360-2374.	1.6	5
2335	Output based bilateral adaptive control of partially known robotic systems. Control Engineering Practice, 2020, 98, 104362.	3.2	3
2336	Quadrotor waypoint-tracking control under exogenous disturbances based on equivalent-input-disturbance approach. Journal of the Franklin Institute, 2020, 357, 4709-4741.	1.9	23
2337	Backstepping active disturbance rejection control for trajectory tracking of underactuated autonomous underwater vehicles with position error constraint. International Journal of Advanced Robotic Systems, 2020, 17, 172988142090963.	1.3	30
2338	Superheated Steam Temperature Control Based on a Hybrid Active Disturbance Rejection Control. Energies, 2020, 13, 1757.	1.6	15
2339	Unified Disturbance-Estimation-Based Control and Equivalence With IMC and PID: Case Study on a DC-DC Boost Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 5122-5132.	5.2	31
2340	Active disturbance rejection controller for multi-area interconnected power system based on reinforcement learning. Neurocomputing, 2021, 425, 149-159.	3.5	25
2341	Observer integrated backstepping control for a ball and plate system. International Journal of Dynamics and Control, 2021, 9, 141-148.	1.5	12
2342	Generalized Integrator-Extended State Observer With Applications to Grid-Connected Converters in the Presence of Disturbances. IEEE Transactions on Control Systems Technology, 2021, 29, 744-755.	3.2	61
2343	Exponential Stabilization of a Star-Shaped Thermoelastic Network System Based on the Extended State Observer With Time-Varying Gains. IEEE Transactions on Automatic Control, 2021, 66, 267-274.	3.6	24
2344	Adaptive Terminal Sliding Mode Control for Magnetic Levitation Systems With Enhanced Disturbance Compensation. IEEE Transactions on Industrial Electronics, 2021, 68, 756-766.	5.2	76
2345	Improved Model Predictive Current Control for SPMSM Drives Using Current Update Mechanism. IEEE Transactions on Industrial Electronics, 2021, 68, 1938-1948.	5.2	31
2346	Design and Implementation of Bounded Finite-Time Control Algorithm for Speed Regulation of Permanent Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2021, 68, 2417-2426.	5.2	45
2347	On Convergence Performance of Discrete-Time Optimal Control Based Tracking Differentiator. IEEE Transactions on Industrial Electronics, 2021, 68, 3359-3369.	5.2	21
2348	Event-Triggered Dynamic Surface Control of an Underactuated Autonomous Surface Vehicle for Target Enclosing. IEEE Transactions on Industrial Electronics, 2021, 68, 3402-3412.	5.2	137
2349	An Extended-State-Observer-Based Sliding-Mode Speed Control for Permanent-Magnet Synchronous Motors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1605-1613.	3.7	80
2350	Stabilization for Euler-Bernoulli Beam Equation with Boundary Moment Control and Disturbance via a New Disturbance Estimator. Journal of Dynamical and Control Systems, 2021, 27, 247-259.	0.4	6
2351	Contour Tracking Control of Networked Motion Control System Using Improved Equivalent-Input-Disturbance Approach. IEEE Transactions on Industrial Electronics, 2021, 68, 5155-5165.	5.2	25

#	ARTICLE	IF	CITATIONS
2352	Simultaneous Identification of Multiple Mechanical Parameters in a Servo Drive System Using Only One Speed. IEEE Transactions on Power Electronics, 2021, 36, 716-726.	5.4	21
2353	Output Feedback Exponential Stabilization for a One-Dimensional Wave Equation With Control Matched Nonlinear Disturbance. IEEE Transactions on Automatic Control, 2021, 66, 2273-2280.	3.6	4
2354	Implementation of Linear Controllers via Active Disturbance Rejection Control Structure. IEEE Transactions on Industrial Electronics, 2021, 68, 6217-6226.	5.2	45
2355	Linear Active Disturbance Rejection Control for Servo Motor Systems With Input Delay via Internal Model Control Rules. IEEE Transactions on Industrial Electronics, 2021, 68, 1077-1086.	5.2	40
2356	On Active Disturbance Rejection Control for a Class of Uncertain Systems With Measurement Uncertainty. IEEE Transactions on Industrial Electronics, 2021, 68, 1475-1485.	5.2	38
2357	Model-Free Predictive Current Control of PMSM Drives Based on Extended State Observer Using Ultralocal Model. IEEE Transactions on Industrial Electronics, 2021, 68, 993-1003.	5.2	246
2358	Model-Free Prescribed Performance Control for Spacecraft Attitude Tracking. IEEE Transactions on Control Systems Technology, 2021, 29, 165-179.	3.2	44
2359	Leader-Follower Trajectory Control for Quadrotors via Tracking Differentiators and Disturbance Observers. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 601-609.	5.9	24
2360	Stabilization of a constrained one-link flexible arm with boundary disturbance. International Journal of Control, 2021, 94, 134-143.	1.2	2
2361	Stabilisation of a cascaded ODE-Heat system with boundary input term incorporates both enforceable control and external unknown disturbance. International Journal of Control, 2021, 94, 21-29.	1.2	6
2362	Extended State Observer-Based Data-Driven Iterative Learning Control for Permanent Magnet Linear Motor With Initial Shifts and Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1881-1891.	5.9	70
2363	On Integrating Uncertainty Estimator Into PI Control for a Class of Nonlinear Uncertain Systems. IEEE Transactions on Automatic Control, 2021, 66, 3409-3416.	3.6	9
2364	Study on Active Disturbance Rejection Control of a Bearingless Induction Motor Based on an Improved Particle Swarm Optimization-Genetic Algorithm. IEEE Transactions on Transportation Electrification, 2021, 7, 694-705.	5.3	47
2365	Composite trajectory tracking control for robot manipulator with active disturbance rejection. Control Engineering Practice, 2021, 106, 104670.	3.2	43
2366	Improved generalized proportional integral observer based control for systems with multi-uncertainties. ISA Transactions, 2021, 111, 96-107.	3.1	7
2367	Attitude trajectory tracking of quadrotor UAV using super-twisting observer-based adaptive controller. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 1146-1157.	0.7	7
2368	Robust error-based active disturbance rejection control of a quadrotor. Aircraft Engineering and Aerospace Technology, 2021, 93, 89-104.	0.7	12
2369	The proportional-integral controller design based on a Smith-like predictor for a class of high order systems. Transactions of the Institute of Measurement and Control, 2021, 43, 875-890.	1.1	8

#	ARTICLE	IF	CITATIONS
2370	Robust output-feedback VFO-ADR control of underactuated spatial vehicles in the task of following non-parametrized paths. <i>European Journal of Control</i> , 2021, 58, 258-277.	1.6	7
2371	Path following of under-actuated ships based on model predictive control with state observer. <i>Journal of Marine Science and Technology</i> , 2021, 26, 408-418.	1.3	14
2372	A homogeneous extended state estimator-based super-twisting sliding mode compensator for matched and unmatched uncertainties. <i>Measurement and Control</i> , 2021, 54, 494-505.	0.9	6
2373	Optimal design of load frequency active disturbance rejection control via double-chains quantum genetic algorithm. <i>Neural Computing and Applications</i> , 2021, 33, 3325-3345.	3.2	21
2374	Invariant Manifold Based Output-Feedback Sliding Mode Control for Systems With Mismatched Disturbances. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 933-937.	2.2	13
2375	Active-Disturbance-Rejection-Based Sliding-Mode Current Control for Permanent-Magnet Synchronous Motors. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 751-760.	5.4	108
2376	Active Disturbance Rejection Control for a Fluid-Driven Hand Rehabilitation Device. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 841-853.	3.7	27
2377	Integrated guidance and control for solar sail station-keeping with optical degradation. <i>Advances in Space Research</i> , 2021, 67, 2823-2833.	1.2	2
2378	Event-triggered robust control for quadrotors with preassigned time performance constraints. <i>Applied Mathematics and Computation</i> , 2021, 392, 125667.	1.4	25
2379	Active disturbance rejection for time-varying state-delay systems based on equivalent-input-disturbance approach. <i>ISA Transactions</i> , 2021, 108, 69-77.	3.1	21
2380	Cascade extended state observer for active disturbance rejection control applications under measurement noise. <i>ISA Transactions</i> , 2021, 109, 1-10.	3.1	67
2381	Iterative Super-Twisting Sliding Mode Control for Tray Indexing System With Unknown Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 9855-9865.	5.2	20
2382	Active disturbance rejection control of test sample in electrostatic suspension system. <i>Mechanical Systems and Signal Processing</i> , 2021, 148, 107187.	4.4	12
2383	Dynamic control of microchannel cooling system with unanticipated evaporator heat loads. <i>Applied Thermal Engineering</i> , 2021, 183, 116225.	3.0	9
2384	Sliding mode control for electro-hydraulic proportional directional valve-controlled position tracking system based on an extended state observer. <i>Asian Journal of Control</i> , 2021, 23, 1855-1869.	1.9	12
2385	Event-triggered anti-disturbance attitude control for rigid spacecrafts with multiple disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 344-357.	2.1	22
2386	On multi-axis motion synchronization: The cascade control structure and integrated SMC-ADRC design. <i>ISA Transactions</i> , 2021, 109, 259-268.	3.1	16
2387	Global Finite-Time Output-Feedback Stabilization of Nonlinear Systems Under Relaxed Conditions. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4259-4266.	3.6	6

#	ARTICLE	IF	CITATIONS
2388	A novel approach to design optimal 2-D digital differentiator using vortex search optimization algorithm. <i>Multimedia Tools and Applications</i> , 2021, 80, 5901-5916.	2.6	3
2389	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.	2.1	11
2390	Disturbance observer-based backstepping control for hypersonic flight vehicles without use of measured flight path angle. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 396-406.	2.8	22
2391	Leader-follower synchronization controller design for a network of boundary-controlled wave PDEs with structured time-varying perturbations and general disturbances. <i>Journal of the Franklin Institute</i> , 2021, 358, 834-855.	1.9	12
2392	Robust converter-fed motor control based on active rejection of multiple disturbances. <i>Control Engineering Practice</i> , 2021, 107, 104696.	3.2	24
2393	Adaptive slip ratio estimation for active braking control of high-speed trains. <i>ISA Transactions</i> , 2021, 112, 302-314.	3.1	11
2394	On the equivalence between ADRC and Flat Filter based controllers: A frequency domain approach. <i>Control Engineering Practice</i> , 2021, 107, 104656.	3.2	17
2395	Observer-based fault-tolerant attitude tracking control for rigid spacecraft with actuator saturation and faults. <i>Acta Astronautica</i> , 2021, 178, 824-834.	1.7	33
2396	Adaptive neural network control of nonlinear systems with unknown dynamics. <i>Advances in Space Research</i> , 2021, 67, 1114-1123.	1.2	32
2397	Fast frequency recovery-oriented distributed optimal load frequency control: An active disturbance rejection control approach. <i>ISA Transactions</i> , 2021, 112, 214-223.	3.1	8
2398	Finite-time tracking control for a variable stiffness pneumatic soft bionic caudal fin. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107314.	4.4	10
2399	Predictive ESO-based control with guaranteed stability for uncertain MIMO constrained systems. <i>ISA Transactions</i> , 2021, 112, 161-167.	3.1	5
2400	Analytical tuning rules for Reduced-order Active Disturbance Rejection Control with FOPDT models through Multi-Objective optimization and multi-criteria decision-making. <i>ISA Transactions</i> , 2021, 114, 370-398.	3.1	4
2401	Robust Output Feedback Tracking Control for Flexible-Joint Robots Based on CTSMC Technique. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 1982-1986.	2.2	6
2402	Extended state observer-based robust control of an omnidirectional quadrotor with tiltable rotors. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 1143-1155.	1.1	8
2403	Time bound online uncertainty estimation based adaptive control design for DC-DC buck converters with experimental validation. <i>IFAC Journal of Systems and Control</i> , 2021, 15, 100127.	1.1	6
2404	Anticipatory NH <sub>3</sub> injection control for SCR system based on the prediction of the inlet NO <sub>x</sub> concentration. <i>Journal of the Energy Institute</i> , 2021, 94, 167-175.	2.7	16
2405	Analysis and tuning of reduced-order active disturbance rejection control. <i>Journal of the Franklin Institute</i> , 2021, 358, 339-362.	1.9	15

#	ARTICLE	IF	CITATIONS
2406	Linear active disturbance rejection control with torque compensation for electric load simulator. Journal of Power Electronics, 2021, 21, 195-203.	0.9	7
2407	Speed cascade adaptive control for hybrid electric vehicle using electronic throttle control during car-following process. ISA Transactions, 2021, 110, 328-343.	3.1	14
2408	Stability and Robustness of the Disturbance Observer-Based Motion Control Systems in Discrete-Time Domain. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2139-2150.	3.7	21
2409	Active Disturbance Rejection Based Repetitive Learning Control With Applications in Power Inverters. IEEE Transactions on Control Systems Technology, 2021, 29, 2038-2048.	3.2	18
2410	Decoupling Control of Multiactive Bridge Converters Using Linear Active Disturbance Rejection. IEEE Transactions on Industrial Electronics, 2021, 68, 10688-10698.	5.2	17
2411	Linear active disturbance rejection control for hysteresis compensation based on backpropagation neural networks adaptive control. Transactions of the Institute of Measurement and Control, 2021, 43, 915-924.	1.1	14
2412	Distributed drive electric autonomous vehicle steering angle control based on active disturbance rejection control. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 128-142.	1.1	10
2413	Robustness Improvement of Model-Based Sensorless SPMSM Drivers Based on an Adaptive Extended State Observer and an Enhanced Quadrature PLL. IEEE Transactions on Power Electronics, 2021, 36, 4802-4814.	5.4	47
2414	Non-linear active disturbance rejection control for upper limb rehabilitation exoskeleton. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 606-632.	0.7	5
2415	Adaptive control for a motion mechanism with pneumatic artificial muscles subject to dead-zones. Mechanical Systems and Signal Processing, 2021, 148, 107155.	4.4	18
2416	Reduced-order Generalized Proportional Integral Observer Based Continuous Dynamic Sliding Mode Control for Magnetic Levitation System with Time-varying Disturbances. International Journal of Control, Automation and Systems, 2021, 19, 439-448.	1.6	4
2417	Robustness Improvement of the Fractional-Order LADRC Scheme for Integer High-Order System. IEEE Transactions on Industrial Electronics, 2021, 68, 8572-8581.	5.2	21
2418	Force Ripple Compensation and Robust Predictive Current Control of PMLSM Using Augmented Generalized Proportional-Integral Observer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 302-315.	3.7	29
2419	Exponential stabilisation of Euler-Bernoulli beam with uncertain disturbance. International Journal of Control, 2021, 94, 1622-1629.	1.2	2
2420	Optimal Tuned Linear Active Disturbance Rejection Control Applied to a 2-DOF Robotic Arm Manipulator. Lecture Notes in Networks and Systems, 2021, , 665-675.	0.5	0
2421	Active Disturbance Rejection Control for Reference Trajectory Tracking Tasks in the Pendubot System. IEEE Access, 2021, 9, 102663-102670.	2.6	11
2422	Modified Equivalent-Input-Disturbance Approach to Improving Disturbance-Rejection Performance. IEEE Transactions on Industrial Electronics, 2022, 69, 673-683.	5.2	20
2423	Active Disturbance Rejection Control for Uncertain Nonlinear Systems Subject to Magnitude and Rate Saturation: Application to Aeroengine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2201-2212.	5.9	13

#	ARTICLE	IF	CITATIONS
2424	Extended-State-Observer Based Model Predictive Control of a Hybrid Modular DC Transformer. IEEE Transactions on Industrial Electronics, 2022, 69, 1561-1572.	5.2	16
2425	Composite Autonomous Anti-disturbance Control for Systems with Multiple Disturbances. , 2021, , 255-269.		0
2426	Dual-Disturbance Observers-Based Control for a Class of Singularly Perturbed Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2423-2434.	5.9	12
2427	Relative Position Model Predictive Control of Double Cube Test-Masses Drag-Free Satellite with Extended Sliding Mode Observer. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	3
2428	Problems of Extended State Observer and Proposal of Compensation Function Observer for Unknown Model and Application in UAV. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2899-2910.	5.9	22
2429	A Class of Nonlinear Active Disturbance Rejection Loop Filters for Phase-Locked Loop. IEEE Transactions on Industrial Electronics, 2022, 69, 1920-1928.	5.2	5
2430	Disturbance compensation-based output feedback adaptive control for shape memory alloy actuator system. International Journal of Advanced Robotic Systems, 2021, 18, 172988142199399.	1.3	3
2431	Unknown System Dynamics Estimator for Active Vehicle Suspension Control Systems With Time-Varying Delay. IEEE Transactions on Cybernetics, 2022, 52, 8504-8514.	6.2	24
2432	Design of rapid exponential integral nonlinear tracking differentiator. International Journal of Control, 2022, 95, 1759-1766.	1.2	9
2433	Variable Structure ADRC-Based Control for Load-Side Buck Interface Converter: Formation, Analysis, and Verification. IEEE Transactions on Industrial Electronics, 2022, 69, 6236-6246.	5.2	11
2434	Grasping Force Control of Robotic Gripper With High Stiffness. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1105-1116.	3.7	7
2435	Antidisturbance Controllability Analysis and Enhanced Antidisturbance Controller Design With Application to Flexible Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3393-3404.	2.6	20
2437	Supplemental Peak Filters for Advanced Disturbance Rejection on a High Precision Endeffector for Robot-Based Inline Metrology. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2258-2266.	3.7	8
2438	Double DOF Strategy for Continuous-Wave Pulse Generator based on Extended Kalman Filter and Adaptive Linear Active Disturbance Rejection Control. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	10
2439	Active Disturbance Rejection Control for Dielectric Electroactive Polymer Actuator. IEEE Access, 2021, 9, 95218-95227.	2.6	3
2440	Integral Sliding Mode Observer-Based Ultralocal Model for Finite-Set Model Predictive Current Control of Induction Motor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2912-2922.	3.7	26
2441	Robust Control of Winding-Based DC-Bus Capacitor Discharge for PMSM Drives in Electric Vehicles. IEEE Access, 2021, 9, 123029-123039.	2.6	0
2442	An Enhanced Linear ADRC Strategy for a Bearingless Induction Motor. IEEE Transactions on Transportation Electrification, 2022, 8, 1255-1266.	5.3	22



#	ARTICLE	IF	CITATIONS
2443	Disturbance-Compensation-Based Multilayer Neuroadaptive Control of MIMO Uncertain Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1487-1491.	2.2	5
2444	Evolution of Controllers Under a Generalized Structure Encoding/Decoding Scheme With Application to Magnetic Levitation System. IEEE Transactions on Industrial Electronics, 2022, 69, 9655-9666.	5.2	3
2445	Discrete-Time Repetitive Control-Based ADRC for Current Loop Disturbances Suppression of PMSM Drives. IEEE Transactions on Industrial Informatics, 2022, 18, 3138-3149.	7.2	63
2446	Robust Fixed-Time Inverse Dynamic Control for Uncertain Robot Manipulator System. Complexity, 2021, 2021, 1-12.	0.9	4
2447	Dual-mode regenerative braking control strategy of electric vehicle based on active disturbance rejection control. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 1483-1496.	1.1	12
2448	Composite Antidisturbance Control for Non-Gaussian Stochastic Systems via Information-Theoretic Learning Technique. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7644-7654.	7.2	2
2449	Future developments in vehicle-to-grid technologies. , 2021, , 613-629.		3
2450	Extended State Observer Based Optimal Attitude Robust Control of Spacecraft. , 2021, , 109-131.		0
2451	Linear Active Disturbance Rejection Control for Double-Pendulum Overhead Cranes. IEEE Access, 2021, 9, 52225-52237.	2.6	14
2452	A Comparison of Linear and Nonlinear PID Controllers Reset-Based for Nonlinear Chemical Processes with Variable Deadtime. Communications in Computer and Information Science, 2021, , 195-206.	0.4	1
2453	Fixed-time tracking control for two-link rigid manipulator based on disturbance observer. Transactions of the Institute of Measurement and Control, 2021, 43, 1924-1935.	1.1	3
2454	Robust Predictive Rotor Current Control of a Doubly Fed Induction Generator Under an Unbalanced and Distorted Grid. IEEE Transactions on Energy Conversion, 2022, 37, 433-442.	3.7	17
2455	Design and control of a two-link robotic manipulator: A review. AIP Conference Proceedings, 2021, , .	0.3	2
2456	Extended State Observer Based Nonsingular Terminal Sliding Mode Control for Voltage Source Converter Station With Uncertain Disturbances. IEEE Access, 2021, 9, 122228-122235.	2.6	2
2457	Backstepping Control for a Class of Nonlinear Discrete-Time Systems Subject to Multisource Disturbances and Actuator Saturation. IEEE Transactions on Cybernetics, 2022, 52, 10924-10936.	6.2	4
2458	Trajectory Tracking Active Disturbance Rejection Control of the Unmanned Helicopter and Its Parameters Tuning. IEEE Access, 2021, 9, 56773-56785.	2.6	11
2459	Enhanced 2-DOF PID Controller Tuning Based on an Uncertainty and Disturbance Estimator With Experimental Validation. IEEE Access, 2021, 9, 99092-99102.	2.6	3
2460	Improvement of PID Controllers by Recurrent Fuzzy Neural Networks for Delta Robot. Advances in Intelligent Systems and Computing, 2021, , 263-275.	0.5	0

#	ARTICLE	IF	CITATIONS
2461	Event-Triggered Adaptive Disturbance Rejection for Artificial Pancreas. Studies in Systems, Decision and Control, 2021, , 205-225.	0.8	0
2462	Trajectory Tracking Control for Electro-Optical Tracking System Using ESO Based Fractional- Order Sliding Mode Control. IEEE Access, 2021, 9, 45891-45902.	2.6	10
2463	A Hierarchical Anti-Disturbance Path Tracking Control Scheme for Autonomous Vehicles Under Complex Driving Conditions. IEEE Transactions on Vehicular Technology, 2021, 70, 11244-11254.	3.9	14
2464	Robust Path Following Control of Underactuated Unmanned Surface Vehicle With Disturbances and Input Saturation. IEEE Access, 2021, 9, 46106-46116.	2.6	7
2465	Linear Active Disturbance Rejection Control for Two-Mass Systems Via Singular Perturbation Approach. IEEE Transactions on Industrial Informatics, 2022, 18, 3022-3032.	7.2	18
2466	Disturbance Observers. , 2021, , 622-629.		0
2467	Integral-type observer based control with measurement uncertainty and application to two-wheeled inverted pendulum. International Journal of Robust and Nonlinear Control, 2021, 31, 2633-2651.	2.1	1
2468	Design of Pitch Attitude Hold Mode for Commercial Aircraft Using Extended State Observer. Algorithms for Intelligent Systems, 2021, , 285-297.	0.5	2
2469	Active Disturbance Rejection Control for Nonaffined Globally Lipschitz Nonlinear Discrete-Time Systems. IEEE Transactions on Automatic Control, 2021, 66, 5955-5967.	3.6	27
2470	Analysis of equivalent-input-disturbance based control systems and a coordinated design algorithm for uncertain systems. International Journal of Robust and Nonlinear Control, 2021, 31, 1755-1773.	2.1	10
2471	Flexibility Enhancement for Coordinate Control System of 1000MW Ultra-Supercritical Unit by Optimized Error-Based ADRC Approach. SSRN Electronic Journal, 0, , .	0.4	0
2472	Enhanced Active Disturbance Rejection Current Controller for Permanent Magnet Synchronous Machines Operated at Low Sampling Time Ratio. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2022, 3, 230-241.	3.0	19
2473	Disturbance Rejection and Robustness of Improved Equivalent-Input-Disturbance-Based System. IEEE Transactions on Cybernetics, 2022, 52, 8537-8546.	6.2	22
2474	Parameter Selection and Performance Analysis of Linear Disturbance Observer Based Control for a Class of Nonlinear Uncertain Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 11587-11597.	5.2	4
2475	Vibration Control with Phase Compensation of Tip Acceleration in a Flexible Slewing Arm. Transactions of the Society of Instrument and Control Engineers, 2021, 57, 260-266.	0.1	0
2476	Disturbance Rejection and Predictive Control for Systems With Input and Output Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4589-4599.	5.9	5
2477	Pressure Gradient Control Strategies Based on Disturbance Rejection for Typical Pharmaceutical Cleanrooms. World Journal of Engineering and Technology, 2021, 09, 555-564.	0.3	0
2478	Linear Stabilization Control for Underactuated RTAC Based on Model Reconstruction. IEEE/ASME Transactions on Mechatronics, 2022, 27, 1640-1650.	3.7	0

#	ARTICLE	IF	CITATIONS
2479	Active Disturbance Rejection Control for Position Tracking of Electro-Hydraulic Servo Systems under Modeling Uncertainty and External Load. <i>Actuators</i> , 2021, 10, 20.	1.2	28
2480	Sliding Mode Control-Based Decoupling Scheme for Quad-Active Bridge DC-DC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 1153-1164.	3.7	10
2481	Robust Stabilization for a Class of Nonlinear Positive Systems With Multiple Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 4611-4622.	5.9	4
2482	Analytic Time Domain Specifications PID Controller Design for a Class of 2 <sup>nd</sup> Order Linear Systems: A Genetic Algorithm Method. <i>IEEE Access</i> , 2021, 9, 99266-99275.	2.6	10
2483	An Active Disturbance Rejection Control Strategy for a Three-Phase Isolated Matrix Rectifier. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 820-829.	5.3	9
2484	A Model-Based Unmatched Disturbance Rejection Control Approach for Speed Regulation of a Converter-Driven DC Motor Using Output-Feedback. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022, 9, 365-376.	8.5	9
2485	Adaptive LADRC Parameter Optimization in Magnetic Levitation. <i>IEEE Access</i> , 2021, 9, 36791-36801.	2.6	10
2486	Maritime Buoyage Inspection System Based on an Unmanned Aerial Vehicle and Active Disturbance Rejection Control. <i>IEEE Access</i> , 2021, 9, 22883-22893.	2.6	5
2487	Backstepping Active Disturbance Rejection Control for Lower Triangular Nonlinear Systems With Mismatched Stochastic Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 2688-2702.	5.9	25
2488	Adaptive Linear Active Disturbance Rejection Control With Deviation Differential in DC Bus Voltage of Wind Power System. <i>IEEE Access</i> , 2021, 9, 57808-57818.	2.6	4
2489	Reinforcement-Learning-Based Disturbance Rejection Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9621-9633.	6.2	16
2490	Composite Control Design for Systems With Uncertainties and Noise Using Combined Extended State Observer and Kalman Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 4119-4128.	5.2	34
2491	Current Driver Design for Electromagnetic Coil Using Adaptive Active Disturbance Rejection Control. <i>Shock and Vibration</i> , 2021, 2021, 1-12.	0.3	1
2492	A Novel Current Control Strategy for Magnetization State Manipulation of Variable Flux Memory Machine Based on Linear Active Disturbance Rejection. <i>IEEE Transactions on Power Electronics</i> , 2021, 1-1.	5.4	7
2493	Aperiodic Sampled-Data Takagi-Sugeno Fuzzy Extended State Observer for a Class of Uncertain Nonlinear Systems With External Disturbance and Unmodeled Dynamics. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 2678-2692.	6.5	13
2494	Nonsingular Fast Terminal Sliding Mode Control for Permanent Magnet Linear Synchronous Motor via High-Order Super-Twisting Observer. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 1651-1659.	3.7	30
2495	Development and Testing of a Large-Stroke Nanopositioning Stage With Linear Active Disturbance Rejection Controller. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 2461-2470.	3.4	11
2496	Finite-Set Model Predictive Current Control of Induction Motors by Direct Use of Total Disturbance. <i>IEEE Access</i> , 2021, 9, 107779-107790.	2.6	12

#	ARTICLE	IF	CITATIONS
2497	Event-Triggered ADRC for Electric Cylinders with PD-Type Event-Triggering Conditions. <i>Studies in Systems, Decision and Control</i> , 2021, , 161-182.	0.8	0
2498	Equivalent-Input-Disturbance-Based Position Synchronization Control of Networked Multiaxis Motion System. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 8317-8324.	5.2	4
2499	Evaluating the Quality of Intelligent Controllers for 3-DOF Delta Robot Control. <i>International Journal of Mechanical Engineering and Robotics Research</i> , 2021, , 542-552.	0.7	3
2500	Power System Load Frequency Active Disturbance Rejection Control via Reinforcement Learning-Based Memetic Particle Swarm Optimization. <i>IEEE Access</i> , 2021, 9, 116194-116206.	2.6	7
2501	A Compensation Strategy of Flux Linkage Observer in SPMSM Sensorless Drives Based on Linear Extended State Observer. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 824-831.	3.7	15
2502	Discrete-Time Optimal Control of Double Integrators and its Application in Maglev Train. <i>IEEJ Journal of Industry Applications</i> , 2021, , .	0.9	0
2503	Surge Disturbance Suppression of AMB-Rotor Systems in Magnetically Suspension Centrifugal Compressors. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 1550-1560.	3.2	19
2504	Time-Varying Trajectory Tracking Boundary Control of a Flexible Rotation Beam Based on Servomechanism. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9185-9195.	5.2	8
2505	A Novel Chaotic Fractional-Order Beetle Swarm Optimization Algorithm and Its Application for Load-Frequency Active Disturbance Rejection Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 1267-1271.	2.2	8
2506	Modern Semi-Active Control Schemes for a Suspension with MR Actuator for Vibration Attenuation. <i>Actuators</i> , 2021, 10, 22.	1.2	13
2507	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. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 2258-2271.	1.1	4
2508	Optimal Fractional-Order Active Disturbance Rejection Controller Design for PMSM Speed Servo System. <i>Entropy</i> , 2021, 23, 262.	1.1	5
2509	Output feedback control of electro-hydraulic asymmetric cylinder system with disturbances rejection. <i>Journal of the Franklin Institute</i> , 2021, 358, 1839-1859.	1.9	13
2510	A novel algorithm on adaptive backstepping control for a class of uncertain fractional-order systems: an ADRC approach. , 2021, , .		2
2511	On transitioning from PID to ADRC in thermal power plants. <i>Control Theory and Technology</i> , 2021, 19, 3-18.	1.0	54
2512	Sensorless control of SMPMSM drive system integrated the differential algebra with the algebraic parameter identification. <i>Journal of Physics: Conference Series</i> , 2021, 1754, 012084.	0.3	0
2513	Delay Equivalences in Tuning PID Control for the Double Integrator Plus Dead-Time. <i>Mathematics</i> , 2021, 9, 328.	1.1	12
2514	Simplifying ADRC design with error-based framework: case study of a DC-DC buck power converter. <i>Control Theory and Technology</i> , 2021, 19, 94-112.	1.0	6

#	ARTICLE	IF	CITATIONS
2515	Active disturbance rejection control of nonlinear SISO Lagrangian systems via endogenous injections and exogenous feedback for trajectory tracking. <i>Control Theory and Technology</i> , 2021, 19, 113-126.	1.0	5
2516	Transfer function analysis and implementation of active disturbance rejection control. <i>Control Theory and Technology</i> , 2021, 19, 19-34.	1.0	12
2517	A Set of Active Disturbance Rejection Controllers Based on Integrator Plus Dead-Time Models. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1671.	1.3	10
2518	Damping of Low-Frequency Oscillations via Active Disturbance Rejection Control. <i>Electric Power Components and Systems</i> , 2021, 49, 233-245.	1.0	2
2519	An extended state observer based U-model control of the COVID-19. <i>ISA Transactions</i> , 2022, 124, 115-123.	3.1	10
2520	Tuning of linear active disturbance rejection controllers for second-order underdamped systems with time delay. <i>ISA Transactions</i> , 2021, 118, 83-93.	3.1	14
2521	A phase-locked loop using ESO-based loop filter for grid-connected converter: performance analysis. <i>Control Theory and Technology</i> , 2021, 19, 49-63.	1.0	5
2522	A novel ADRC-based design for a kind of flexible aircraft. <i>Control Theory and Technology</i> , 2021, 19, 35-48.	1.0	4
2523	Research on Dynamic Simulation of Vehicle ACC Based on Active Disturbance Rejection Control Technology. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 661, 012030.	0.2	0
2524	Fuzzy disturbance observer-based modified variable gains super-twisting sliding mode composite control for a two-axis airborne optoelectronic stabilized platform. <i>Optik</i> , 2021, 228, 166132.	1.4	4
2525	Integrated MIMO fault detection and disturbance observer-based control. <i>Mechatronics</i> , 2021, 73, 102482.	2.0	4
2526	Anti-disturbance adaptive sampled-data observers for a class of nonlinear systems with unknown hysteresis. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 3212-3229.	2.1	7
2527	Frequency-shifting-based algebraic approach to extended state observer design. <i>Asian Journal of Control</i> , 2021, 23, 2171.	1.9	7
2528	Distributed consensus algorithm for multiple parafoils in mass airdrop mission based on disturbance rejection. <i>Aerospace Science and Technology</i> , 2021, 109, 106437.	2.5	7
2529	Active disturbance rejection control for fractional reaction-diffusion equations with spatially varying diffusivity and time delay. <i>Science China Information Sciences</i> , 2022, 65, 1.	2.7	17
2530	Extended state observer-based pressure control for pneumatic actuator servo systems. <i>Control Theory and Technology</i> , 2021, 19, 64-79.	1.0	6
2531	Data-driven disturbance observer-based control: an active disturbance rejection approach. <i>Control Theory and Technology</i> , 2021, 19, 80-93.	1.0	6
2532	Anti-disturbance attitude control for quadrotor unmanned aerial vehicle manipulator via fuzzy adaptive sigmoid generalized super-twisting sliding mode observer. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 1251-1266.	1.5	8

#	ARTICLE	IF	CITATIONS
2533	Active Disturbance Rejection Control Design for a Haptic Machine Interface Platform. <i>Advances in Science, Technology and Engineering Systems</i> , 2021, 6, 898-911.	0.4	2
2534	Parameter tuning of active disturbance rejection control in quad tilt rotor based on particle swarm optimization. <i>Journal of Physics: Conference Series</i> , 2021, 1780, 012023.	0.3	1
2535	Model-Free Control Using Improved Smoothing Extended State Observer and Super-Twisting Nonlinear Sliding Mode Control for PMSM Drives. <i>Energies</i> , 2021, 14, 922.	1.6	19
2536	Tuning Rules for Active Disturbance Rejection Controllers via Multiobjective Optimizationâ€”A Guide for Parameters Computation Based on Robustness. <i>Mathematics</i> , 2021, 9, 517.	1.1	5
2537	Trajectory robust control of autonomous quadcopters based on model decoupling and disturbance estimation. <i>International Journal of Advanced Robotic Systems</i> , 2021, 18, 172988142199697.	1.3	6
2538	An ADRC-based backstepping control design for a class of fractional-order systems. <i>ISA Transactions</i> , 2022, 121, 140-146.	3.1	22
2539	A TRAJECTORY-TRACKING CONTROLLER FOR IMPROVING THE SAFETY AND STABILITY OF FOUR-WHEEL STEERING AUTONOMOUS VEHICLES. <i>Transport</i> , 2021, 36, 147-163.	0.6	1
2540	Optimization of PID Parameters Based on Ant Colony Algorithm. , 2021, , .		9
2541	On practical solutions of series elastic actuator control in the context of active disturbance rejection. <i>Advanced Control for Applications</i> , 2021, 3, e69.	0.8	1
2542	Periodic tracking for piezoâ€”actuated displacement stage based on disturbance rejection proportional integral derivative and repetitive control. <i>Advanced Control for Applications</i> , 2021, 3, e67.	0.8	1
2543	Cascade ADRC Speed Control Base on FCS-MPC for Permanent Magnet Synchronous Motor. <i>Journal of Circuits, Systems and Computers</i> , 2021, 30, 2150202.	1.0	3
2544	Model predictive longitudinal control for autonomous electric vehicles with tracking differentiator. <i>International Journal of Systems Science</i> , 2021, 52, 2564-2579.	3.7	7
2545	MPC based active disturbance rejection control for automated steering control. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2021, 235, 3199-3206.	1.1	10
2546	Active Disturbance Rejection Control Based Single Current Feedback Resonance Damping Strategy for LCL-Type Grid-Connected Inverter. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 48-62.	3.7	30
2547	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.	2.1	34
2548	Monitoring functionâ€”based active disturbance rejection control for uncertain systems with unknown control directions. <i>Advanced Control for Applications</i> , 2021, 3, e66.	0.8	7
2549	Disturbance Rejection Performance of Adaptive Robust Control. , 2021, , .		1
2550	Speed fluctuation suppression of PMSM using active disturbance rejection and feedback compensation control. <i>IET Electric Power Applications</i> , 2021, 15, 1056-1067.	1.1	7

#	ARTICLE	IF	CITATIONS
2551	Stabilization control for unmanned helicopter-slung load system based on active disturbance rejection control and improved sliding mode control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002098515.	0.7	8
2552	Output-Feedback Sliding Mode Control for Permanent Magnet Synchronous Motor Servo System Subject to Unmatched Disturbances. Mathematical Problems in Engineering, 2021, 2021, 1-11.	0.6	3
2553	An Application of Active Disturbance Rejection Control to Stepper Motors with Field Oriented Control. , 2021, , .		0
2554	Disturbance rejection sliding mode control for robots and learning design. Intelligent Service Robotics, 2021, 14, 251-269.	1.6	6
2555	Radial Position Control of a Bearingless Machine with Active Disturbance Rejection Control Fuzzy an approach. , 2021, , .		1
2556	Disturbance Observers for Linear Closed Loop Systems. , 2021, , .		0
2557	Active Disturbance Rejection Control Design Using the Optimization Algorithm for a Hydraulic Quadruped Robot. Computational Intelligence and Neuroscience, 2021, 2021, 1-22.	1.1	5
2558	Generalized Active Disturbance Rejection Control: Review, Applications and Challenges. , 2021, , .		1
2559	Control of recycle system using extended state observer concept. International Journal of Dynamics and Control, 2021, 9, 1456-1470.	1.5	0
2560	A novel aircraft anti-skid brake control method based on runway maximum friction tracking algorithm. Aerospace Science and Technology, 2021, 110, 106482.	2.5	13
2561	High-order derivative fusion estimation of rotorcraft angular rate. Aircraft Engineering and Aerospace Technology, 2021, 93, 347-353.	0.7	0
2562	Compensation-signal-driven control for a class of nonlinear uncertain systems. Automatica, 2021, 125, 109423.	3.0	6
2563	Comparing traditional and constrained disturbance-observer based positional control. Measurement and Control, 2021, 54, 170-178.	0.9	3
2564	Output tracking and feedback stabilization for 6-DoF UAV using an enhanced active disturbance rejection control. International Journal of Intelligent Unmanned Systems, 2022, 10, 330-345.	0.6	10
2565	Active disturbance rejection control for a piezoelectric nano-positioning system: A U-model approach. Measurement and Control, 2021, 54, 506-518.	0.9	6
2566	Active disturbance rejection control for lower triangular uncertain stochastic nonlinear systems driven by coloured noises. International Journal of Control, 0, , 1-11.	1.2	0
2567	Suppressing spatially distributed disturbances by exploiting additional sensors and actuators in inferential motion control. , 2021, , .		1
2568	Back-stepping Active Disturbance Rejection Control for Attitude Control of Aircraft Systems Based on Extended State Observer. International Journal of Control, Automation and Systems, 2021, 19, 2134-2149.	1.6	13

#	ARTICLE	IF	CITATIONS
2569	Active disturbance rejection vibration control for an all-clamped piezoelectric plate with delay. <i>Control Engineering Practice</i> , 2021, 108, 104719.	3.2	34
2570	Active disturbance rejection control for discrete systems with zero dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 5298-5311.	2.1	3
2571	Reduced-order improved generalized proportional integral observer based tracking control for full-state constrained systems with multi-uncertainties. <i>ISA Transactions</i> , 2022, 121, 119-129.	3.1	1
2572	Flight Control System Design and Autonomous Flight Control of Small-Scale Unmanned Helicopter Based on Nanosensors. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 675-688.	0.1	3
2573	Closed-Loop Control of a Helmholtz Coil System for Accurate Actuation of Magnetic Microrobot Swarms. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 827-834.	3.3	22
2574	Experiment-based Comparative Analysis of Nonlinear Speed Control Methods for Induction Motors. <i>Journal of Engineering and Technological Sciences</i> , 2021, 53, 210212.	0.3	0
2575	Fault-Tolerant Active Disturbance Rejection Control of Plant Protection of Unmanned Aerial Vehicles Based on a Spatio-Temporal RBF Neural Network. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4084.	1.3	12
2576	Improving the Active Disturbance Rejection Controller Tracking Quality by the Input-Gain Underestimation for a Second-Order Plant. <i>Electronics (Switzerland)</i> , 2021, 10, 907.	1.8	6
2577	Cooperative Guidance Law against Highly Maneuvering Target with Dynamic Surrounding Attack. <i>International Journal of Aerospace Engineering</i> , 2021, 2021, 1-16.	0.5	4
2578	Active disturbance rejection adaptive control for uncertain nonlinear systems with unknown time-varying dead-zone input. <i>Asian Journal of Control</i> , 2022, 24, 1209-1222.	1.9	13
2579	High-gain observer-based integral sliding mode tracking control for heavy vehicle electro-hydraulic servo steering systems. <i>Mechatronics</i> , 2021, 74, 102484.	2.0	20
2580	Composite control for trajectory tracking of wheeled mobile robots with NLESO and NTSMC. <i>IET Control Theory and Applications</i> , 2021, 15, 1686-1694.	1.2	2
2581	Composite nonlinear extended state observer and its application to unmanned ground vehicles. <i>Control Engineering Practice</i> , 2021, 109, 104731.	3.2	22
2582	Neuroadaptive control of saturated nonlinear systems with disturbance compensation. <i>ISA Transactions</i> , 2022, 122, 49-62.	3.1	57
2583	Attitude control for the rigid spacecraft with the improved extended state observer. <i>Applied Mathematics and Nonlinear Sciences</i> , 2023, 8, 121-134.	0.9	1
2584	Fixed-time disturbance observer-based chattering-free sliding mode attitude tracking control of aircraft with sensor noises. <i>Aerospace Science and Technology</i> , 2021, 111, 106565.	2.5	34
2585	State and Disturbance Observer based Sliding Mode Control for Nonlinear Uncertain Mismatched Systems. , 2021, , .		0
2586	3D path-following control of robotic penguin: an ETFLMPC approach. <i>Nonlinear Dynamics</i> , 2021, 104, 1415-1427.	2.7	2



#	ARTICLE	IF	CITATIONS
2587	Multi-objective gain optimizer for a multi-input active disturbance rejection controller: Application to series elastic actuators. <i>Control Engineering Practice</i> , 2021, 109, 104733.	3.2	10
2588	Active disturbance rejection control approach to output-feedback stabilization of nonlinear system with Lévy noises. <i>Systems and Control Letters</i> , 2021, 150, 104898.	1.3	2
2589	Extended state Kalman filter-based path following control of underactuated autonomous vessels. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 3311-3321.	1.1	2
2590	A Modified LADRC-Based DC-Link Voltage Controller for Photovoltaic Grid-Connected Inverters. <i>Electronics (Switzerland)</i> , 2021, 10, 877.	1.8	4
2591	Active vibration control of building structure using active disturbance rejection control. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632110093.	1.5	6
2592	Predictive extended state observer-based robust control for uncertain linear systems with experimental validation. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 2615-2627.	1.1	7
2593	Bionic Visual Control for Probe-and-Drogue Autonomous Aerial Refueling. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 848-865.	2.6	23
2594	Composite control for disturbed direct-driven surface-mounted permanent magnet synchronous generator with model prediction strategy. <i>Measurement and Control</i> , 2021, 54, 1015-1025.	0.9	5
2595	An Enhanced DC-Link Voltage Response for Wind-Driven Doubly Fed Induction Generator Using Adaptive Fuzzy Extended State Observer and Sliding Mode Control. <i>Mathematics</i> , 2021, 9, 963.	1.1	14
2596	A Composite Nonlinear Control Scheme of the Ultra-Supercritical Boiler-Turbine Unit for Large-Scale Load Accommodation. , 2021, , .		1
2597	Adaptive extended state observer-based distributed fault detection and estimation for an unstable wave equation. , 2021, , .		0
2598	Development of dual feedback Active Disturbance Rejection Control driver. , 2021, , .		0
2599	Linear Active Disturbance Rejection Control Strategy with Known Disturbance Compensation for Voltage-Controlled Inverter. <i>Electronics (Switzerland)</i> , 2021, 10, 1137.	1.8	2
2600	Leveraging PID Gain Selection Towards Adaptive Backstepping Control for a Class of Second-Order Systems. , 2021, , .		6
2601	Continuous Finite-Time Active Disturbance Rejection Control With Application to DC Motor. , 2021, , .		1
2602	Lyapunov Optimal Touchless Electrostatic Detumbling of Space Debris in GEO Using a Surface Multisphere Model. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 764-778.	1.3	11
2603	A generalized control scheme for system uncertainty estimation and cancellation. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 2921-2933.	1.1	1
2604	Load frequency active disturbance rejection control for an interconnected power system via deep reinforcement learning. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2605	Tracking Control of Single-Axis Feed Drives Based on ADRC and Feedback Linearisation. Electronics (Switzerland), 2021, 10, 1184.	1.8	2
2606	Accurate Homing Control of Parafoil Delivery System Based on Active Disturbance Rejection Control. , 2021, , .		0
2607	Partially Integrated Guidance and Control of Quadrotors Subject to Multiple Uncertainties. , 2021, , .		1
2608	On disturbance rejection control for nonlinear threeâ€evolute prismatic spherical ball and plate systems. Advanced Control for Applications, 2021, 3, e62.	0.8	1
2609	Non-singular terminal sliding mode control of an omnidirectional mobile manipulator based on extended state observer. International Journal of Intelligent Robotics and Applications, 2021, 5, 219-234.	1.6	3
2610	Robust optimization control for turbidity process with large inertia and time-delay in waterworks. ISA Transactions, 2022, 122, 126-134.	3.1	1
2611	Robust adaptive recursive sliding mode attitude control for a quadrotor with unknown disturbances. ISA Transactions, 2022, 122, 114-125.	3.1	33
2612	Based on ADRC Strategy for Tracking Trajectory of Undamped Plants. Journal of Physics: Conference Series, 2021, 1906, 012045.	0.3	1
2613	Adaptive asymptotic tracking control of uncertain fractional-order nonlinear systems with unknown quantized input and control directions subject to actuator failures. JVC/Journal of Vibration and Control, 2022, 28, 2625-2641.	1.5	7
2614	Research on Vertical Take-off and Landing Control of New VTOL Aircraft Based on ADRC. , 2021, , .		1
2615	A disturbance compensation enhanced control strategy of HVAC systems for improved building indoor environment control when providing power grid frequency regulation. Renewable Energy, 2021, 169, 1330-1342.	4.3	8
2616	Active Disturbance Rejection Control for a Five-Level Cascaded H-Bridge Inverter Fed Induction Motor Sensorless Field-Oriented. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	0
2617	Adaptive Partial PID Controller For Speed Control of Induction Motor. , 2021, , .		0
2618	Interturn Short-Circuit Fault Diagnosis of PMSM for Small Hydropower. , 2021, , .		0
2619	Nonlinear disturbance observer based flexible-boundary prescribed performance control for a lower limb exoskeleton. International Journal of Systems Science, 2021, 52, 3176-3189.	3.7	9
2620	Adaptive prescribed performance control for hydraulic system with disturbance compensation. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1544-1561.	2.3	16
2621	Research on UUV Recovery Active Disturbance Rejection Control Based on LMNN Compensation. International Journal of Control, Automation and Systems, 2021, 19, 2569-2582.	1.6	9
2622	Adaptive Tracking Control of Flexible Joint Manipulator with Output Constraints. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2623	A new three-dimensional guidance law based on reduced-order extended state observer for highly maneuvering targets. , 2021, , .		0
2624	Improved Repetitive Control with Model-Assisted Extended State Observer for Optoelectronic Tracking System. , 2021, , .		0
2625	Immersion and invariance-based extended state observer design for a class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 6233-6254.	2.1	3
2626	Active Disturbance Rejection Control Oriented Rigid-flexible Coupling Rotary Stage Design. , 2021, , .		0
2627	Suppressing non-collocated disturbances in inferential motion control: with application to a wafer stage. , 2021, , .		0
2628	Angle tracking control for double-joint dexterous hand systems based on a piecewise extended state observer. Control Engineering Practice, 2021, 110, 104754.	3.2	4
2629	Leader-follower formation control of mutilple UAVs based on ADRC:experiment research. , 2021, , .		2
2630	Modified ADRC Design for Rigid-flexible Coupling Rotary Stage with Filters. , 2021, , .		0
2631	A review on the analogy between a quadrotor and trirotor: Mathematical modeling and control design and its outcome. Materials Today: Proceedings, 2021, 47, 2896-2896.	0.9	1
2632	Optimal full-state feedback observer integrated backstepping control of chemical processes with unknown internal dynamics. ISA Transactions, 2022, 122, 371-379.	3.1	3
2633	Boundary Feedback Stabilization of a One-dimensional Wave Equation with Velocity Recirculation and Matched Disturbance**This work was supported by the National Natural Science Foundation of China.. , 2021, , .		0
2634	Enhancement of DCâ€bus voltage regulation in cascaded converter system by a new sensorless load current feedforward control scheme. IET Power Electronics, 2021, 14, 1457-1467.	1.5	5
2635	A novel linear active disturbance rejection controller for main steam temperature control based on the simultaneous heat transfer search. ISA Transactions, 2022, 122, 357-370.	3.1	9
2636	Attitude control of flapping wing aircraft based on energy optimization and ESO. Biomimetic Intelligence and Robotics, 2021, 1, 100005.	1.1	2
2637	Extended state observer-based output feedback control for spacecraft pose tracking with control input saturation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 645-660.	0.7	9
2638	Root Locus and Selection of First-Order Linear Active Disturbance Rejection Control Systems. , 2021, , .		1
2639	Generalized-reduced-order-extended-state-observer-based Adaptive Repetitive Control for Brushless DC Motor. , 2021, , .		2
2640	An Enhanced Linear Extended State Observer Based Sensorless Control for PMSM Drives. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
2641	Stability control for end effect of mobile manipulator in uneven terrain based on active disturbance rejection control. <i>Assembly Automation</i> , 2021, 41, 369-383.	1.0	6
2642	Finite-time multi-target tracking of networked Euler-Lagrange systems via hierarchical active disturbance rejection control. <i>International Journal of Control</i> , 2022, 95, 2743-2757.	1.2	15
2643	Bounded Attitude Control with Active Disturbance Rejection Capabilities for Multirotor UAVs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5960.	1.3	5
2644	Measurement Compensation for Time-Delay Seeker and Three-Dimensional Adaptive Guidance Law Design. <i>Sensors</i> , 2021, 21, 3977.	2.1	2
2645	RflySim: A Rapid Multicopter Development Platform for Education and Research Based on Pixhawk and MATLAB. , 2021, , .		13
2646	On the stability of active disturbance rejection control for first-order plus delay time processes. <i>ISA Transactions</i> , 2021, , .	3.1	3
2647	Proportional-Integral Extended State Observer for Monitoring Nuclear Reactors. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 1207-1221.	1.2	8
2648	Improving Disturbance-Rejection by Using Disturbance Estimator. , 0, , .		0
2649	Fractional Order Linear ADRC-Based Controller Design for Heat-Flow Experiment. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8.	0.6	4
2650	Switching logic-based saturated tracking control for active suspension systems based on disturbance observer and bioinspired X-dynamics. <i>Mechanical Systems and Signal Processing</i> , 2021, 155, 107611.	4.4	18
2651	Vertical Profile Diving and Floating Motion Control of the Underwater Glider Based on Fuzzy Adaptive LADRC Algorithm. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 698.	1.2	18
2652	Study on six-phase PMSM control strategy based on improved position sensorless detection technology. <i>IET Power Electronics</i> , 2021, 14, 1844-1855.	1.5	3
2653	Extended state observer-based adaptive prescribed performance control for a class of nonlinear systems with full-state constraints and uncertainties. <i>Nonlinear Dynamics</i> , 2021, 105, 345-358.	2.7	32
2654	An overview on recent progress of extended state observers for uncertain systems: Methods, theory, and applications. <i>Advanced Control for Applications</i> , 2021, 3, e89.	0.8	12
2655	On the Disturbance Rejection Control of Flexible-joint Robot: A GPIO-based Approach. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 2910-2920.	1.6	2
2656	Quadrotor Flight Control Based on Improved Active Disturbance Rejection Control Technology. <i>Journal of Physics: Conference Series</i> , 2021, 1948, 012095.	0.3	3
2657	Self-balancing based on Active Disturbance Rejection Controller for the Two-In-Wheeled Electric Vehicle, Experimental results. <i>Mechatronics</i> , 2021, 76, 102552.	2.0	11
2658	Integral Backstepping Based ADRC for Path Following of Underactuated Surface Vessel. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2659	Robust ultra-precision motion control of linear ultrasonic motors: A combined ADRC-Luenberger observer approach. <i>Control Engineering Practice</i> , 2021, 111, 104812.	3.2	24
2660	Modeling and Control of Hybrid-driven Gliding Motion for an Underwater Gliding Snake-like Robot. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 3190-3198.	1.6	5
2661	Dynamic Path Correction of an Industrial Robot Using a Distance Sensor and an ADRC Controller. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 1646-1656.	3.7	22
2662	Disturbance rejection control of airborne radar stabilized platform based on active disturbance rejection control inverse estimation algorithm. <i>Assembly Automation</i> , 2021, 41, 525-535.	1.0	5
2663	Anti-Disturbance Fault-Tolerant Sliding Mode Control for Systems with Unknown Faults and Disturbances. <i>Electronics (Switzerland)</i> , 2021, 10, 1487.	1.8	2
2664	Composite chattering-free discrete-time sliding mode controller design for active front steering system of electric vehicles. <i>Nonlinear Dynamics</i> , 2021, 105, 301-313.	2.7	9
2665	Dead-Time Compensation for the First-Order Dead-Time Processes: Towards a Broader Overview. <i>Mathematics</i> , 2021, 9, 1519.	1.1	9
2666	Permanent Magnet Synchronous Motor Speed Control Based on Improved Active Disturbance Rejection Control. <i>Actuators</i> , 2021, 10, 147.	1.2	11
2667	Integrated Locomotion and Deformation of a Magnetic Soft Robot: Modeling, Control, and Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 5078-5087.	5.2	21
2668	Finite-Time Convergent Multiple Disturbance Rejection Control for Electromechanical Actuators. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 6863-6878.	5.4	10
2669	Disturbance-observer-based finite-time adaptive fuzzy control for non-triangular switched nonlinear systems with input saturation. <i>Information Sciences</i> , 2021, 561, 152-167.	4.0	27
2670	Design of uncertainty and disturbance estimator based tracking control for fuzzy switched systems. <i>IET Control Theory and Applications</i> , 2021, 15, 1804-1817.	1.2	5
2671	A Novel Active Disturbance Rejection Control with a Super-Twisting Observer for the Rocket Launcher Servo System. <i>Shock and Vibration</i> , 2021, 2021, 1-12.	0.3	1
2672	Linear-extended-state-observer-based prescribed performance control for trajectory tracking of a robotic manipulator. <i>Industrial Robot</i> , 2021, 48, 544-555.	1.2	12
2673	Synchronization controller design for a network of boundary-controlled anti-stable wave equation with time-varying perturbations. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 3282-3293.	1.1	0
2674	Output tracking for nonlinear systems subject to unmodeled sluggish actuator dynamics via model-based extended state observer. <i>ISA Transactions</i> , 2022, 125, 198-211.	3.1	2
2676	Turbulent Wind Gusts Estimation and Compensation via High-Gain Extended Observer-based Adaptive Sliding Mode for a Quadrotor UAV. , 2021, , .		3
2677	A lateral control strategy for unmanned ground vehicles with model predictive control and active disturbance rejection control. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 3473-3482.	1.1	3

#	ARTICLE	IF	CITATIONS
2678	Backstepping Sliding Mode Trajectory Tracking via Extended State Observer for Quadrotors with Wind Disturbance. International Journal of Control, Automation and Systems, 2021, 19, 3273-3284.	1.6	22
2679	A Novel Robust Smooth Control of Input Parallel Output Series Quasi-Z-Source DC-DC Converter for Fuel Cell Electrical Vehicle Applications. IEEE Transactions on Industry Applications, 2021, 57, 4207-4221.	3.3	12
2680	Deep Learning Based Semi-Supervised Control for Vertical Security of Maglev Vehicle With Guaranteed Bounded Airgap. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4431-4442.	4.7	91
2681	Design of Optimal Tracking Differentiator Based on Particle Swarm Optimization. , 2021, , .		1
2682	Desired dynamic equational $\langle \text{scp} \rangle$ proportional+integral+derivative $\langle / \text{scp} \rangle$ controller design based on probabilistic robustness. International Journal of Robust and Nonlinear Control, 2022, 32, 9556-9592.	2.1	8
2683	Practical output consensus of nonlinear heterogeneous multi-agent systems with limited data rate. Automatica, 2021, 129, 109624.	3.0	10
2684	Fixed-time ESO based fixed-time integral terminal sliding mode controller design for a missile. ISA Transactions, 2022, 125, 237-251.	3.1	27
2685	Output synchronous control of multi-agent beam equations with boundary and domain structure time-varying disturbances and general disturbances. Asian Journal of Control, 2022, 24, 1675-1687.	1.9	1
2686	Machine Learning and Data-Driven Techniques for the Control of Smart Power Generation Systems: An Uncertainty Handling Perspective. Engineering, 2021, 7, 1239-1247.	3.2	93
2687	Active disturbance rejection adaptive output feedback control of uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 7461-7479.	2.1	6
2688	Observer-based friction compensation in heavy-duty parallel robot control. Journal of Mechanical Science and Technology, 2021, 35, 3693-3704.	0.7	5
2689	Motion control of the rail traction system by dual brushless AC motors using a disturbance observer. IET Electric Power Applications, 2021, 15, 1499-1511.	1.1	1
2690	The Design and Control of a Rigid-Flexible Coupling Positioning Stage for Enhanced Settling Performance. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	4
2691	Dynamic Magnetic Field Generation With High Accuracy Modeling Applied to Magnetic Robots. IEEE Transactions on Magnetics, 2021, 57, 1-10.	1.2	3
2692	Distributed convex optimization via proportional-integral-differential algorithm. Measurement and Control, 2022, 55, 13-20.	0.9	4
2693	Control por rechazo activo de perturbaciones: guía de diseño y aplicación. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 18, 201.	0.6	2
2694	Adaptive-based linear active disturbance rejection attitude control for quadrotor with external disturbances. Transactions of the Institute of Measurement and Control, 2022, 44, 286-298.	1.1	16
2695	Extended state observer based anti-disturbance tracking control for omnidirectional mobile robots subject to uncertainties and wheel skidding. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2696	A Novel Force Oscillations Reduction Method Based on Nonlinear Tracking Differentiator for Robot Contact Transition Process. , 2021, , .		1
2697	Nonlinear speed tracking control of PMSM servo system: A global robust output regulation approach. Control Engineering Practice, 2021, 112, 104832.	3.2	16
2698	Active disturbance rejection control design for high-order integral systems. ISA Transactions, 2022, 125, 560-570.	3.1	14
2699	A bi-bandwidth extended state observer for a system with measurement noise and its application to aircraft with abrupt structural damage. Aerospace Science and Technology, 2021, 114, 106742.	2.5	3
2700	Nonlinear Gain Position Control Using Only Position Feedback for Permanent Magnet Stepper Motors. IEEE Transactions on Power Electronics, 2021, 36, 8506-8516.	5.4	6
2701	An active disturbance rejection control design with actuator rate limit compensation for the ALSTOM gasifier benchmark problem. Energy, 2021, 227, 120447.	4.5	17
2702	Experimental output regulation of permanent magnet synchronous motor position servo system: An internal model-based two-step control approach. Transactions of the Institute of Measurement and Control, 2022, 44, 153-161.	1.1	3
2703	Data-driven robust tracking control of underactuated mechanical systems using identified flat output and active disturbance rejection control. International Journal of Control, 0, , 1-17.	1.2	2
2704	Flatness-Based Discrete Active Disturbance Rejection Control for the Flexible Transmission System. Journal of Control, Automation and Electrical Systems, 2021, 32, 1746-1757.	1.2	1
2705	Mitigation of subsynchronous control interaction in DFIGs using active disturbance rejection control. IET Generation, Transmission and Distribution, 2021, 15, 2915-2925.	1.4	5
2706	Indirect Estimation Based Active Disturbance Rejection Control for Solar Sail Station-Keeping. International Journal of Aeronautical and Space Sciences, 2021, 22, 1493-1503.	1.0	1
2707	Research on DPCC Control Strategy of PMSM Based on LESO. Journal of Physics: Conference Series, 2021, 2005, 012137.	0.3	1
2708	Extended state observer-based finite time control of electro-hydraulic system via sliding mode technique. Asian Journal of Control, 2022, 24, 2311-2327.	1.9	11
2709	Model-based and model-free designs for an extended continuous-time LQR with exogenous inputs. Systems and Control Letters, 2021, 154, 104983.	1.3	5
2710	Nonlinear-extended-state-observer-based PD position control of planar motors. , 2021, , .		1
2711	Model-Based Aeroengine Nonlinear Transient Control. , 2022, , 129-184.		0
2712	Trajectory stabilization control for aerial recovery of cable-drogue-UAV assembly. Nonlinear Dynamics, 2021, 105, 3191-3210.	2.7	7
2713	Research on Active Disturbance Rejection Control Technology in LCL Grid-Connected Inverter. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
2714	Active disturbance rejection control of ship course keeping based on nonlinear feedback and ZOH component. Ocean Engineering, 2021, 233, 109136.	1.9	21
2715	Improved Active Disturbance Rejection Control of Dual-Axis Servo Tracking Turntable with Friction Observer. Electronics (Switzerland), 2021, 10, 2012.	1.8	5
2716	Model-Free Adaptive Iterative Learning Control Method for the Czochralski Silicon Monocrystalline Batch Process. IEEE Transactions on Semiconductor Manufacturing, 2021, 34, 398-407.	1.4	27
2717	Prescribed-time ESO-based prescribed-time control and its application to partial IGC design. Nonlinear Dynamics, 2021, 106, 491-508.	2.7	25
2720	Electro-hydraulic position servo system based on sliding mode active disturbance rejection compound control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 2089-2098.	1.1	5
2721	Command filtered adaptive backstepping control for high-accuracy motion tracking of hydraulic systems with extended state observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 654-668.	0.7	6
2722	Optimization of Neural Network-Based Self-Tuning PID Controllers for Second Order Mechanical Systems. Applied Sciences (Switzerland), 2021, 11, 8002.	1.3	10
2723	Asymptotic Tracking Control of Mechanical Servosystems With Mismatched Uncertainties. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2204-2214.	3.7	50
2724	Fractional order active disturbance rejection control with the idea of cascaded fractional order integrator equivalence. ISA Transactions, 2021, 114, 359-369.	3.1	26
2725	Hybrid adaptive disturbance rejection control for inflatable robotic arms. ISA Transactions, 2022, 126, 617-628.	3.1	8
2726	An intelligent course keeping active disturbance rejection controller based on double deep Q-network for towing system of unpowered cylindrical drilling platform. International Journal of Robust and Nonlinear Control, 2021, 31, 8463-8480.	2.1	15
2727	Adaptive Fuzzy Active-Disturbance Rejection Control-Based Reconfiguration Controller Design for Aircraft Anti-Skid Braking System. Actuators, 2021, 10, 201.	1.2	7
2728	Rectifier Stage Control Strategy for Solid State Transformer Based on Sliding Mode Active Disturbance Rejection. , 2021, , .		0
2729	Control Method for Robotic Manipulation of Heavy Industrial Cables. , 2021, , .		0
2730	Model-free linear active disturbance rejection output feedback control for electro-hydraulic proportional system with unknown dead-zone. IET Control Theory and Applications, 2021, 15, 2081-2094.	1.2	7
2731	Trajectory planning and tracking for four-wheel steering vehicle based on differential flatness and active disturbance rejection controller. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2214-2244.	2.3	13
2732	Design and Implementation of a Robotic Hip Exoskeleton for Gait Rehabilitation. Actuators, 2021, 10, 212.	1.2	8
2733	Design of Terminal Sliding Mode Controller Based on Nonlinear Dynamic Inversion. Journal of Physics: Conference Series, 2021, 2006, 012068.	0.3	0



#	ARTICLE	IF	CITATIONS
2735	Identification and compensation of stiffness and damping between short and long stroke in wafer stage. Journal of Physics: Conference Series, 2021, 1986, 012056.	0.3	0
2736	Stabilization for Schrödinger Equation with Internal Damping and Boundary Disturbance. Journal of Dynamical and Control Systems, 2022, 28, 971-987.	0.4	2
2737	A Robust Torque and Flux Prediction Model by a Modified Disturbance Rejection Method for Finite-Set Model-Predictive Control of Induction Motor. IEEE Transactions on Power Electronics, 2021, 36, 9322-9333.	5.4	37
2738	<scp>LVRT</scp> capability enhancement of a grid connected three phase <scp>PV</scp> system by <scp>ADRC</scp> and <scp>DSOGI FLL</scp>. International Transactions on Electrical Energy Systems, 2021, 31, e13059.	1.2	5
2739	Responses and suppression of Joined-Wing UAV in wind field based on distributed model and active disturbance rejection control. Aerospace Science and Technology, 2021, 115, 106803.	2.5	8
2740	Asymptotic adaptive tracking control and application to mechatronic systems. Journal of the Franklin Institute, 2021, 358, 6057-6073.	1.9	10
2741	A frequency domain comparison of disturbance observer based control schemes. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182110365.	0.7	3
2742	Disturbance rejection and control system design based on a high-order equivalent-input-disturbance estimator. Journal of the Franklin Institute, 2021, 358, 8736-8753.	1.9	12
2743	Control of single input Hamiltonian systems based on the flatness of their tangent linearization. ISA Transactions, 2022, 127, 461-472.	3.1	1
2744	Chattering Suppression Fast Terminal Sliding Mode Control for Aircraft EMA Braking System. IEEE Transactions on Transportation Electrification, 2021, 7, 1901-1914.	5.3	15
2745	Field dynamic balancing for active magnetic bearings supporting rigid rotor shaft based on extended state observer. Mechanical Systems and Signal Processing, 2021, 158, 107801.	4.4	21
2746	Active disturbance rejection control based distributed secondary control for a low-voltage DC microgrid. Sustainable Energy, Grids and Networks, 2021, 27, 100515.	2.3	4
2747	Automatic berthing for an underactuated unmanned surface vehicle: A real-time motion planning approach. Ocean Engineering, 2021, 235, 109352.	1.9	32
2748	<scp>Model-assisted</scp> active disturbance rejection controller for maximum efficiency schemes of <scp>DFIG</scp>-based wind turbines. International Transactions on Electrical Energy Systems, 2021, 31, e13107.	1.2	10
2749	On disturbance rejection control of the epileptiform spikes. Cognitive Neurodynamics, 2022, 16, 425-441.	2.3	4
2750	Air flow rate and pressure control approach for the air supply subsystems in PEMFCs. ISA Transactions, 2022, 128, 624-634.	3.1	16
2751	Wing Flutter Suppression under the Influence of Fuel Sloshing in External Tank. Journal of Aerospace Engineering, 2021, 34, .	0.8	3
2752	Experimental study on active disturbance rejection temperature control of a mechanically pumped two-phase loop. International Journal of Refrigeration, 2021, 129, 1-10.	1.8	11

#	ARTICLE	IF	CITATIONS
2753	Robust control of pantograph-catenary system: Comparison of 1-DOF-based and 2-DOF-based control systems. IET Control Theory and Applications, 2021, 15, 2258-2270.	1.2	3
2754	A new extended state observer for uncertain nonlinear systems. Automatica, 2021, 131, 109772.	3.0	48
2755	Passivity-based adaptive tracking control of spacecraft line-of-sight relative motion with thrust saturation. Journal of the Franklin Institute, 2021, 358, 6408-6432.	1.9	3
2756	Design of Composite Disturbance Observer and Continuous Terminal Sliding Mode Control for Piezoelectric Nanopositioning Stage. Electronics (Switzerland), 2021, 10, 2242.	1.8	2
2757	An Adaptive Fault-tolerant Control Method for Robot Manipulators. International Journal of Control, Automation and Systems, 2021, 19, 3983-3995.	1.6	8
2758	Hybrid adaptive learning neural network control for steer-by-wire systems via sigmoid tracking differentiator and disturbance observer. Engineering Applications of Artificial Intelligence, 2021, 104, 104393.	4.3	13
2759	A Fast Diagnosis Scheme for Multiple Switch Faults in Cascaded H-Bridge Multilevel Converters. IEEE Transactions on Transportation Electrification, 2021, 7, 1000-1015.	5.3	15
2760	Research on Photovoltaic Grid-Connected Control Strategy Based on Active Disturbance Rejection of Adaptive Extended State Observer. Advances in Civil Engineering, 2021, 2021, 1-9.	0.4	1
2761	Anti-disturbance inverse optimal control for systems with disturbances. Optimal Control Applications and Methods, 2023, 44, 1321-1340.	1.3	7
2762	Active Disturbance Rejection Control for Attitude Control of Missile Systems Based on Back-stepping Method. International Journal of Control, Automation and Systems, 2021, 19, 3642-3656.	1.6	8
2763	Comunicación distribuida activada por eventos para la sincronización de velocidad angular de motores BLDC en red. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 18, 360.	0.6	0
2764	Funnel function-based asymptotic output feedback control of hydraulic systems with prescribed performance. IET Control Theory and Applications, 2021, 15, 2271-2285.	1.2	7
2765	Three-dimensional terminal angle constraint finite-time dual-layer guidance law with autopilot dynamics. Aerospace Science and Technology, 2021, 116, 106818.	2.5	20
2766	Dynamic analysis and coupling control of underactuated flight vehicles with single moving mass. Aerospace Science and Technology, 2021, 116, 106854.	2.5	6
2767	Extended-state-observer-based dynamic surface control of flexible-joint robot systems with input saturation. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2372-2388.	2.3	3
2768	Dry Clutch Control of Two-Speed Electric Vehicles by Using an Optimal Control Scheme With Persistent Time-Varying Disturbance Rejection. IEEE Transactions on Transportation Electrification, 2021, 7, 2034-2046.	5.3	6
2769	Switching position-torque control system for increasing servo PMDC positioning precision in presence of intense external disturbance loading. Mechanical Systems and Signal Processing, 2021, 158, 107816.	4.4	12
2770	Double-Loop Sliding Mode Controller with An Ocean Current Observer for the Trajectory Tracking of ROV. Journal of Marine Science and Engineering, 2021, 9, 1000.	1.2	10

#	ARTICLE	IF	CITATIONS
2771	Modeling and Design of an Aircraft-Mode Controller for a Fixed-Wing VTOL UAV. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-17.	0.6	4
2772	Overvoltage Suppression Strategy for Sending AC Grid With High Penetration of Wind Power in the LCC-HVdc System Under Commutation Failure. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 10265-10277.	5.4	26
2773	Extended state observer-based control of heartbeat described by heterogeneous coupled oscillator model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105884.	1.7	4
2774	Nonlinear disturbance observers for robotic continuum manipulators. <i>Mechatronics</i> , 2021, 78, 102518.	2.0	20
2775	Software-in-the-loop investigation of wake-vortex-encounter-response of identical multirotor pair with PX4 attitude controller. <i>Aerospace Science and Technology</i> , 2021, 117, 106967.	2.5	9
2776	Deep Q-Network based real-time active disturbance rejection controller parameter tuning for multi-area interconnected power systems. <i>Neurocomputing</i> , 2021, 460, 360-373.	3.5	10
2777	Phase leading active disturbance rejection control for a nanopositioning stage. <i>ISA Transactions</i> , 2021, 116, 218-231.	3.1	27
2778	A novel adaptive-gain disturbance estimator-based asymptotic adaptive tracking control for uncertain nonlinear systems. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 1045-1055.	1.1	3
2779	Optimal power extraction of a two-stage tidal turbine system based on backstepping disturbance rejection control. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107158.	3.3	4
2780	Robust adaptive sliding mode attitude control for aircraft systems based on back-stepping method. <i>Aerospace Science and Technology</i> , 2021, 118, 107069.	2.5	26
2781	Physics-informed energy-balanced modeling and active disturbance rejection control for circulating fluidized bed units. <i>Control Engineering Practice</i> , 2021, 116, 104934.	3.2	11
2782	Prescribed fast tracking control for flexible air-breathing hypersonic vehicles: An event-triggered case. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 200-215.	2.8	16
2783	Optimized Active Disturbance Rejection Control With Resonant Extended State Observer for Grid Voltage Sensorless <i>LCL</i> -Filtered Inverter. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 13317-13331.	5.4	29
2784	Coordinated monitoring and control method of deposited layer width and reinforcement in WAAM process. <i>Journal of Manufacturing Processes</i> , 2021, 71, 306-316.	2.8	32
2785	Trajectory tracking control for electro-optical tracking system based on fractional-order sliding mode controller with super-twisting extended state observer. <i>ISA Transactions</i> , 2021, 117, 85-95.	3.1	22
2786	Generalized active disturbance rejection controller design: Application to hybrid microgrid with communication delay. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 132, 107166.	3.3	9
2787	IMC-based diesel oxidation catalyst outlet temperature control with extended state predictor observer. <i>Control Engineering Practice</i> , 2021, 117, 104939.	3.2	10
2788	Predictive Active Disturbance Rejection Control for Servo Systems With Communication Delays Via Sliding Mode Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 12679-12688.	5.2	7

#	ARTICLE	IF	CITATIONS
2789	Admittance Modeling and Stability Analysis of Grid-Connected Inverter With LADRC-PLL. IEEE Transactions on Industrial Electronics, 2021, 68, 12272-12284.	5.2	24
2790	Adaptive neural network-based active disturbance rejection flight control of an unmanned helicopter. Aerospace Science and Technology, 2021, 119, 107062.	2.5	38
2791	Active disturbance rejection control for robotic systems: A review. Mechatronics, 2021, 80, 102671.	2.0	55
2792	Fixed-Time-Convergent Generalized Extended State Observer Based Motor Control Subject to Multiple Disturbances. IEEE Transactions on Industrial Informatics, 2021, 17, 8066-8079.	7.2	14
2793	Linear Active Disturbance Rejection Controllers for PMSM Speed Regulation System Considering the Speed Filter. IEEE Transactions on Power Electronics, 2021, 36, 14579-14592.	5.4	49
2794	A flexible constant power generation scheme for photovoltaic system by error-based active disturbance rejection control and perturb & observe. Energy, 2021, 237, 121646.	4.5	11
2795	A Rotor Position and Speed Estimation Method Using an Improved Linear Extended State Observer for IPMSM Sensorless Drives. IEEE Transactions on Power Electronics, 2021, 36, 14062-14073.	5.4	48
2796	Increment Count Method and Its PLC-Based Implementation for Autotuning of Reduced-Order ADRC With Smith Predictor. IEEE Transactions on Industrial Electronics, 2021, 68, 12554-12564.	5.2	12
2797	Neural network based output feedback control for DC motors with asymptotic stability. Mechanical Systems and Signal Processing, 2022, 164, 108288.	4.4	22
2798	Deadbeat Harmonic Current Control of Permanent Magnet Synchronous Machine Drives for Torque Ripple Reduction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3357-3370.	3.7	12
2799	On the stabilization of 6-DOF UAV quadrotor system using modified active disturbance rejection control. , 2021, , 257-287.		10
2800	Extended state observer based robust sliding mode control for fourth order nonlinear systems with experimental validation. International Journal of Dynamics and Control, 2021, 9, 1600-1611.	1.5	2
2801	Antisaturation Command Filtered Backstepping Control-Based Disturbance Rejection for a Quadrotor UAV. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3577-3581.	2.2	26
2802	Robust Speed Control of Electrical Drives with Reduced Ripple Using Adaptive Switching High-order Extended State Observer. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	18
2803	Model-Free Predictive Current Control of SPMSM Drives Using Extended State Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 6540-6550.	5.2	41
2804	Control Strategy Research of D-STATCOM Using Active Disturbance Rejection Control Based on Total Disturbance Error Compensation. IEEE Access, 2021, 9, 50138-50150.	2.6	26
2805	Event-Triggered Extended State Observer. Studies in Systems, Decision and Control, 2021, , 61-79.	0.8	0
2806	Event-Triggered Active Disturbance Rejection Control of DC Torque Motors. Studies in Systems, Decision and Control, 2021, , 137-159.	0.8	0

#	ARTICLE	IF	CITATIONS
2807	Quantitative Tuning of Active Disturbance Rejection Controller for FOPTD Model With Application to Power Plant Control. IEEE Transactions on Industrial Electronics, 2022, 69, 805-815.	5.2	61
2808	A Scalable-Bandwidth Extended State Observer-Based Adaptive Sliding-Mode Control for the Dissolved Oxygen in a Wastewater Treatment Process. IEEE Transactions on Cybernetics, 2022, 52, 13448-13457.	6.2	7
2809	Continuous Terminal Sliding-Mode Control for FJR Subject to Matched/Mismatched Disturbances. IEEE Transactions on Cybernetics, 2022, 52, 10479-10489.	6.2	10
2810	A Generalized PID Interpretation for High-Order LADRC and Cascade LADRC for Servo Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 5207-5214.	5.2	27
2811	Extended State Observer-Based IMC-PID Tracking Control of PMLSM Servo Systems. IEEE Access, 2021, 9, 49036-49046.	2.6	19
2812	A Distributed Strategy to Attitude Following of the Multi-DOF Parallel Electrical Manipulator Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 1630-1640.	5.2	8
2813	Research on Manipulation Strategy and Flight Test of the Quad Tilt Rotor in Conversion Process. IEEE Access, 2021, 9, 40286-40307.	2.6	4
2814	Fixed-Time Formation Control for Wheeled Mobile Robots With Prescribed Performance. IEEE Transactions on Control Systems Technology, 2022, 30, 844-851.	3.2	23
2815	A Robustness Enhanced ADR-based Inferential Control Method for Single-phase MC. , 2021, , .		0
2816	Nonlinear Fractional Active Disturbance Rejection Speed Control for Stabilization of Hydraulic Turbine Regulating Systems With Mechanical Delay. IEEE Access, 2021, 9, 67974-67988.	2.6	7
2817	Extended State Observer-Based Sensorless Control for High-Speed Maglev Application in Single-Feeding Mode and Double-Feeding Mode. IEEE Transactions on Transportation Electrification, 2022, 8, 1350-1361.	5.3	17
2818	Online Iterative Learning Compensation Method Based on Model Prediction for Trajectory Tracking Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 415-425.	7.2	37
2819	PID Control Algorithm Based on Genetic Algorithm and its Application in Electric Cylinder Control. , 2021, , 65-77.		1
2820	Super twisting observer based full order sliding mode control. International Journal of Dynamics and Control, 2021, 9, 1653-1659.	1.5	3
2821	Cruise Speed Estimation Strategy Based on Multiple Fuzzy Logic and Extended State Observer for Low-Cost AUV. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	5
2822	Disturbance Estimation-Based Robust Model Predictive Position Tracking Control for Magnetic Levitation System. IEEE/ASME Transactions on Mechatronics, 2022, 27, 81-92.	3.7	22
2823	Development of Energy Saving and Rapid Temperature Control Technology for Intelligent Greenhouses. IEEE Access, 2021, 9, 29677-29685.	2.6	14
2824	Active Disturbance Rejection Control Design With Suppression of Sensor Noise Effects in Application to DC-DC Buck Power Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 816-824.	5.2	59

#	ARTICLE	IF	CITATIONS
2825	Hierarchical Antidisturbance Control of a Piezoelectric Stage via Combined Disturbance Observer and Error-Based ADRC. IEEE Transactions on Industrial Electronics, 2022, 69, 5060-5070.	5.2	11
2826	DC-Link Voltage Research of Photovoltaic Grid-Connected Inverter Using Improved Active Disturbance Rejection Control. IEEE Access, 2021, 9, 9884-9894.	2.6	20
2827	Robust Output Feedback Sliding Mode State and Disturbance Observer-based Controller Design for Nonlinear Systems. International Journal of Control, Automation and Systems, 2021, 19, 1550-1559.	1.6	6
2828	Non-Linear Bandwidth Extended-State-Observer Based Non-Smooth Funnel Control for Motor-Drive Servo Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 6215-6224.	5.2	20
2829	Performance Assessment of Discrete-Time Extended State Observers. Studies in Systems, Decision and Control, 2021, , 31-59.	0.8	0
2831	Design and Experimental Evaluation of a Hierarchical Controller for an Autonomous Ground Vehicle With Large Uncertainties. IEEE Transactions on Control Systems Technology, 2022, 30, 1215-1227.	3.2	5
2832	Robust Adaptive Control of Interleaved Boost Converter for Fuel Cell Application. IEEE Transactions on Industry Applications, 2021, 57, 6603-6610.	3.3	15
2833	Design of ship course-keeping system via active disturbance rejection control using a full-scale realistic ship model. Procedia Computer Science, 2021, 192, 3000-3009.	1.2	2
2834	Finite-time extended state observer-based exact tracking control of an unmanned surface vehicle. International Journal of Robust and Nonlinear Control, 2021, 31, 1704-1719.	2.1	35
2835	Robust Adaptive Force Tracking Impedance Control for Robotic Capturing of Unknown Objects. Lecture Notes in Computer Science, 2019, , 677-688.	1.0	1
2838	Finite-Time Consensus for Disturbed Multi-agent Systems with Unmeasured States via Nonsingular Terminal Sliding-Mode Control. Studies in Systems, Decision and Control, 2018, , 269-287.	0.8	2
2839	On-line Adaptive Scaling Parameter in Active Disturbance Rejection Controller. Applied Condition Monitoring, 2019, , 79-86.	0.4	2
2842	Lâž Dynamic Surface Control for a Class of Nonlinear Pure-Feedback Systems with Finite-Time Extended State Observer. Lecture Notes in Electrical Engineering, 2013, , 29-38.	0.3	2
2843	ADRC Based Attitude Control of a Quad-rotor Robot. Lecture Notes in Electrical Engineering, 2015, , 503-512.	0.3	3
2844	Composite disturbance rejection control for Markovian Jump systems with external disturbances. Automatica, 2020, 118, 109019.	3.0	15
2845	Non-linear disturbance-observer-enhanced MPC for motion control systems with multiple disturbances. IET Control Theory and Applications, 2020, 14, 63-72.	1.2	28
2846	Disturbance suppression for PMSM by a non-linear composite controller based on two-channel strategy. IET Electric Power Applications, 2020, 14, 31-40.	1.1	8
2847	Comparative Study of Output-based and Error-based ADRC Schemes in Application to Buck Converter-fed DC Motor System. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
2848	On performance analysis of extended state observer for a class of systems with multiple uncertainties and biased measurement. , 2020, , .		2
2849	Cooperative Adaptive Dynamic Surface Control for a Class of High-Order Stochastic Nonlinear Multiagent Systems. IEEE Transactions on Cybernetics, 2021, 51, 5214-5224.	6.2	41
2850	A Model-Based Approach for Measurement Noise Estimation and Compensation in Feedback Control Systems. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	2.4	68
2851	Current Harmonic Suppression in Dual Three-Phase Permanent Magnet Synchronous Machine With Extended State Observer. IEEE Transactions on Power Electronics, 2020, 35, 12166-12180.	5.4	58
2852	Design of Output-Based Finite-Time Convergent Composite Controller for a Class of Perturbed Second-Order Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6768-6778.	5.9	15
2853	Global Finite Time Active Disturbance Rejection Control for Parallel Manipulators With Unknown Bounded Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7838-7849.	5.9	21
2854	Robust Tracking in Underactuated Systems Using Flatness-Based ADRC With Cascade Observers. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	0.9	21
2855	General ADRC Design for Systems With Periodic Disturbances of Unknown and Varying Frequencies. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	0.9	10
2856	Fractional-Order Active Disturbance Rejection Controller for Motion Control of a Novel 6-DOF Parallel Robot. Mathematical Problems in Engineering, 2020, 2020, 1-7.	0.6	7
2857	Active disturbance rejection control for bearingless permanent-magnet slice motor based on nonlinear phase-locked loop observer. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622096813.	1.1	1
2858	Decentralized ADRC for LFC in Deregulated Environments. International Journal of Engineering Practical Research, 2015, 4, 47-51.	0.0	2
2859	Fuzzy Active Disturbance Rejection Attitude Control of Spacecraft with Unknown Disturbance and Parametric Uncertainty. International Journal of Control and Automation, 2015, 8, 233-242.	0.3	11
2860	Performance Analysis of Active Disturbance Rejection Controlled Robotic Manipulator based on Evolutionary Algorithm. International Journal of Hybrid Information Technology, 2016, 9, 65-80.	0.6	2
2861	Particle swarm based repetitive spline compensator for servo drives. Przegląd Elektrotechniczny, 2017, 1, 183-189.	0.1	2
2862	Atenuaci3n de efectos pendulares en gr3as-torre usando control por rechazo activo de perturbaciones en tiempo discreto con observador resonante. DYNA (Colombia), 2018, 85, 65-75.	0.2	2
2863	Reliability analysis of a multi-eso based control strategy for level adjustment control system of quadruped robot under disturbances and failures. Eksploatacja I Niezawodnosc, 2019, 22, 42-51.	1.1	4
2864	Fault-tolerant design for increasing the reliability of an autonomous driving gear shifting system. Eksploatacja I Niezawodnosc, 2020, 22, 482-492.	1.1	7
2865	Active and Reactive Power Control of Doubly Fed Induction Generator Wind Turbines to Answer Grid Codes Requirements. Journal of Clean Energy Technologies, 2018, 6, 101-106.	0.1	3

#	ARTICLE	IF	CITATIONS
2866	Pitch Angle Control with Model Compensation Based on Active Disturbance Rejection Controller for Underwater Gliders. Journal of Coastal Research, 2020, 36, 424.	0.1	6
2867	Experimental Design and Verification of Extended State Observers for Magnetic Levitation System Based on PSO. Open Electrical and Electronic Engineering Journal, 2018, 12, 110-120.	0.6	3
2868	Model Free Backstepping Control for Marine Power Systems. Open Automation and Control Systems Journal, 2015, 7, 942-948.	0.9	2
2869	EXTENDED STATE OBSERVER-BASED ADAPTIVE CONTROL FOR A CLASS OF NONLINEAR SYSTEM WITH UNCERTAINTIES. Control and Intelligent Systems, 2017, 45, .	0.3	4
2870	Low-order active disturbance rejection control on furnace pressure of 1000MW power plant. , 2017, , .		3
2871	Path Following Control of Fully Actuated Autonomous Underwater Vehicle Based on LADRC. Polish Maritime Research, 2018, 25, 39-48.	0.6	15
2872	A review on control methodologies of disturbance rejections in optical telescope. Opto-Electronic Advances, 2019, 2, 19001101-19001108.	6.4	15
2873	Anti-Disturbance Compensator Design for Unmanned Aerial Vehicle. Engineering Journal, 2020, 26, 86-103.	0.3	11
2874	Trajectory Linearization-Based Adaptive PLOS Path Following Control for Unmanned Surface Vehicle with Unknown Dynamics and Rudder Saturation. Applied Sciences (Switzerland), 2020, 10, 3538.	1.3	2
2875	PID Control Algorithm Based on Genetic Algorithm and its Application in Electric Cylinder Control. International Journal of Information Technology and Web Engineering, 2017, 12, 51-61.	1.2	2
2876	Active disturbance rejection control: Theoretical perspectives. Communications in Information and Systems, 2015, 15, 361-421.	0.3	47
2877	Load Frequency Control of Two-Area Smart Grid. International Journal of Computer Applications, 2015, 117, 1-9.	0.2	10
2878	Virtual Inertia Control of D-PMSG Based on the Principle of Active Disturbance Rejection Control. Journal of Electrical Engineering and Technology, 2015, 10, 1969-1982.	1.2	8
2879	ADRC Tuning Employing the LQR Approach for Decoupling Uncertain MIMO Systems. Information Technology and Control, 2014, 43, .	1.1	8
2880	Robust Linear Control of Nonlinear Flat Systems. , 0, , .		6
2881	Trajectory Tracking Control and Robustness Analysis of a Robotic Manipulator using Advanced Control Techniques. International Journal of Engineering and Manufacturing, 2018, 8, 42-54.	0.5	8
2882	Speed Control for a PMSM Servo System Using Model Reference Adaptive Control and an Extended State Observer. Journal of Power Electronics, 2014, 14, 549-563.	0.9	38
2883	Analysis and Compensation Control of Dead-Time Effect on Space Vector PWM. Journal of Power Electronics, 2015, 15, 431-442.	0.9	16



#	ARTICLE	IF	CITATIONS
2884	Digital Sliding Mode Based Model-Free PWM Current Control of Switched Reluctance Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 8760-8769.	5.2	5
2885	Improved Linear ADRC for Hybrid Energy Storage Microgrid Output-Side Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 9111-9120.	5.2	13
2886	Different Active Disturbance Rejection Controllers Based on the Same Order GPI Observer. IEEE Transactions on Industrial Electronics, 2022, 69, 10969-10983.	5.2	22
2887	Improved Linear Active Disturbance Rejection Control of Photovoltaic Grid Connected Inverter Based on Filter Function. IEEE Access, 2021, 9, 141725-141737.	2.6	5
2888	Nonlinear Disturbance Observer-based Robust Motion Control for Multi-joint Series Elastic Actuator-driven Robots. , 2021, , .		1
2889	Discrete-time 2DOF control design with a generalized predictor for stable and integrating processes with time delay. , 2021, , .		0
2890	Tracking Control of a Wave Equation with Boundary Disturbance: Combining ADRC and Differential Flatness. , 2021, , .		1
2891	ADRC Based on Artificial Neural Network for a Six-rotor UAV. , 2021, , .		2
2892	High-Precision Beam Steering Mechanism Control Based on Model Compensation and Neural Network. , 2021, , .		0
2893	Frequency Properties of ADRC. , 2021, , .		3
2894	Research on Sapphire Furnace Temperature Control Strategy based on Active Disturbance Rejection Control. , 2021, , .		1
2895	Extended state observer based resource allocation method for second-order multi-agent systems with time-varying disturbances. , 2021, , .		0
2896	A Coupled Sliding Mode Control Strategy for Vehicle Platoons With Extended State Observer. , 2021, , .		1
2897	Event-Triggered Time-Varying ADRC Approach for Pneumatic Parallel Manipulator. , 2021, , .		1
2898	Rigid-flexible Coupling Positioning Stage Driven by Ball Screw with Dual Feedback Based on Active Disturbance Rejection Control. , 2021, , .		0
2899	Design of Active Disturbance Rejection Attitude Controller for Vertical Launched Missile. , 2021, , .		1
2900	Finite-Time Disturbance Attenuation Tracking Control of Flexible-Joint Robots Based on CTSMC. , 2021, , .		0
2901	Eigenvalue-based Controllability Analysis of Mars Entry Guidance. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
2902	Fixed-Time Cooperative Guidance for Salvo Attack: A Leader-Followers Approach. , 2021, , .		1
2903	On the Bandwidth of the Extended State Observer. , 2021, , .		2
2904	Active Disturbance Rejection Control based on RBF Neural Network for Active Power Filter. , 2021, , .		3
2905	Sliding Mode Control for Continuous Stirred Tank Reactor with Mismatched Disturbances: A Genetic-Algorithm-Optimized GESO Approach. , 2021, , .		0
2906	Application of Active Disturbance Rejection Control in Tank Gun Control System. , 2021, , .		0
2907	Active Disturbance Rejection Control Design for the Hydraulic Actuator on Weeding Machine. , 2021, , .		1
2908	Extended-State-Observer-Based Tracking Control for Motor-drive Systems with State Constraints and Unknown Disturbances. , 2021, , .		0
2909	Predictor-Based Active Anti-Disturbance Control for Multi-Rate Control Systems with Delayed Sampled-Data. , 2021, , .		1
2910	Capability Analysis of Linear Extended State Observer Under Model Mismatch for LADRC control. , 2021, , .		0
2911	Active Disturbance Rejection Control and Disturbance Observer-Based Control Approach to 1-d Flexible String System. , 2021, , .		3
2912	On Stability Analysis of Active Disturbance Rejection Disturbance Control for General MIMO Motion Control Systems. , 2021, , .		0
2913	Deep Reinforcement Learning Based Online Parameter Tuning for Active Disturbance Rejection Control and Application in Ship Course Tracking. Lecture Notes in Electrical Engineering, 2022, , 48-56.	0.3	0
2914	Controller Design for Three-Axis Stabilized Platform Using Adaptive Global Fast Terminal Sliding Mode Control with Non-Linear Differentiator. Energies, 2021, 14, 6532.	1.6	1
2915	Seizure Control by RBF Neural Network Based Active Disturbance Rejection Approach. Lecture Notes in Electrical Engineering, 2022, , 72-81.	0.3	0
2916	On active disturbance rejection control for lower-triangular systems with mismatched nonlinear uncertainties and unknown time-varying control coefficients. Nonlinear Dynamics, 2021, 106, 2377-2400.	2.7	4
2917	Research on Vibration Suppression of the Long Flexible Arm Based on Three Tilt Sensors. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	0
2918	<sc>Stateâ€observer</sc> based <sc>IDD</sc> controller for concurrent <sc>frequencyâ€voltage</sc> control of a hybrid power system with electric vehicle uncertainties. International Transactions on Electrical Energy Systems, 2021, 31, .	1.2	21
2919	Efficient Cooperative Structured Control for a Multijoint Biomimetic Robotic Fish. IEEE/ASME Transactions on Mechatronics, 2021, 26, 2506-2516.	3.7	16

#	ARTICLE	IF	CITATIONS
2920	Control design for maximal capability of disturbance rejection under general control input saturation. <i>Journal of the Franklin Institute</i> , 2021, 358, 9771-9793.	1.9	2
2921	A unifying Ziegler-Nichols tuning method based on active disturbance rejection. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 9525-9541.	2.1	11
2922	Comprehensive Regulation Benefits of Hydropower Generation System in Reducing Wind Power Fluctuation. <i>Water (Switzerland)</i> , 2021, 13, 2987.	1.2	1
2923	An ADRC-based PID tuning rule. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 9542-9555.	2.1	7
2924	Nonlinear robust periodic output regulation of minimum phase systems. <i>Mathematics of Control, Signals, and Systems</i> , 2022, 34, 129-184.	1.4	6
2925	Anti-disturbance stabilization for a hybrid system of non-uniform elastic string. <i>Journal of the Franklin Institute</i> , 2021, 358, 9653-9677.	1.9	1
2926	Active disturbance rejection attitude control of unmanned quadrotor via paired coevolution pigeon-inspired optimization. <i>Aircraft Engineering and Aerospace Technology</i> , 2022, 94, 302-314.	0.7	7
2927	ESO-Based Vibration Control for All-Clamped Plate Using an Electrodynamics Inertial Actuator. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	1.5	5
2928	Disturbance Rejection for Systems with Nonlinearity via DOBC Approach: Application to a Helicopter Model. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 1-9.	0.3	0
2929	Study on Magneto-rheological Damper Control of Aircraft Landing Gear Based on LADRC. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 830-840.	0.3	1
2930	Double Deep Q Network Optimized Linear Active Disturbance Rejection Control for Ship Course Keeping. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 259-274.	0.3	0
2931	An Adaptive Speed Control Method Based on Deep Reinforcement Learning for Permanent Magnet Synchronous Motor. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 275-286.	0.3	0
2932	OC fault diagnosis of multilevel inverter using SVM technique and detection algorithm. <i>Computers and Electrical Engineering</i> , 2021, 96, 107481.	3.0	14
2933	ADRC and CMAC combined optimization and control for a class of discrete-time uncertain chaotic systems. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 030701.	0.2	1
2934	Active disturbance rejection control of a chaotic system based on immune binary-state particle swarm optimization algorithm. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2011, 60, 019501.	0.2	11
2935	Sliding Mode Controller Design: An Input-Output Approach. <i>Lecture Notes in Control and Information Sciences</i> , 2011, , 245-268.	0.6	0
2936	Research and application based on genetically optimized active disturbance rejection controller. , 2011, , .		0
2937	The High-quality Tracking Control of an IPM Synchronous Motor Drive Using the Double-Regulation Control Mechanism. <i>Journal of Computers</i> , 2011, 6, .	0.4	0

#	ARTICLE	IF	CITATIONS
2938	A Mixed Time-/Condition-based Precognitive Maintenance Framework using Support Vectors. , 2012, , .		0
2939	ADRC Algorithm of Furnace Temperature Control System. Lecture Notes in Electrical Engineering, 2012, , 1438-1443. , .	0.3	0
2940	Modeling and Simulation of Polar Coordinates Seeker Control System Based on Full-Map Plane. , 0, , .		0
2941	A MIXED TIME-/CONDITION-BASED PRECOGNITIVE MAINTENANCE FRAMEWORK FOR ZERO-BREAKDOWN INDUSTRIAL SYSTEMS. Control and Intelligent Systems, 2013, 41, .	0.3	3
2942	Smith predictor based generalized PI control for a class of input delayed nonlinear mechanical systems. , 2013, , .		2
2943	An improved ADRC and its Application. , 0, , .		0
2944	Design for AC servo position loop based on RBF neural network predictive control. , 2015, , .		1
2945	Key Techniques Research in MOOCs. , 2015, , .		0
2946	Control and synchronization in chaotic systems based on fast linear predictive control. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 010502.	0.2	2
2947	The Design of ADRC Based on Single Axis Stable Platform. , 2015, , .		0
2948	Development and Precise Positioning Control of a Novel Linear Motor. International Journal of Control and Automation, 2015, 8, 119-130.	0.3	1
2949	Parameters Turning of ADRC based on Neural Network. , 0, , .		1
2950	On the Active Disturbance Rejection of SWATH Ship based on Terminal Sliding Mode Control. International Journal of Control and Automation, 2016, 9, 399-408.	0.3	0
2951	Dissolved Oxygen Control for Activated Sludge Wastewater Treatment Processes by ADRC. , 2016, , .		0
2952	Active Disturbance Rejection Control of Thermal Power Unit Coordinated System based on Frequency Domain Analysis. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 162.	0.6	1
2953	Disturbance Rejection For Permanent Magnet Synchronous Motors. , 2016, , 241-258.		0
2954	Advanced Nonlinear Disturbance Observer. , 2016, , 81-96.		0
2955	Position control of robot manipulator by torque equilibrium method. International Journal of Advanced Technology and Engineering Exploration, 2016, 3, 211-216.	0.6	0

#	ARTICLE	IF	CITATIONS
2956	Disturbance observer based control of active suspension system with uncertain parameters. Przegląd Elektrotechniczny, 2016, 1, 196-199.	0.1	2
2957	COMPARATIVE STUDY OF DIFFERENT CONTROL TECHNIQUES APPLIED ON 6 DOF ROBOT ARM. Journal of Al-Azhar University Engineering Sector, 2017, 12, 25-36.	0.1	1
2958	A discrete tracking-differentiator design for active vibration control in maglev systems. , 2017, , .		0
2959	ADRC: a strategy to deal with Adaptive Optics feedback control. , 2017, , .		0
2960	Velocity Estimation Methods with Applications to Tracking Control of a Harmonic Drive System. , 2017, , .		0
2961	Synchronization of Chaotic Systems via Active Disturbance Rejection Control. Intelligent Control and Automation, 2017, 08, 86-95.	1.0	2
2962	Design of an Infinite-Order Disturbance Observer Enhancing Disturbance Suppression Performance. IEEJ Journal of Industry Applications, 2017, 6, 192-198.	0.9	9
2963	Low-Level Flight Control. , 2017, , 251-286.		0
2964	Networked Control System Based on LQ Tracking and Response Strategy Under Data Injection Attack. Communications in Computer and Information Science, 2017, , 488-496.	0.4	0
2965	A Back-Stepping Sliding Mode Control Strategy Based on Extended Observer for Photovoltaic Grid-Connected Inverter. , 2017, , .		1
2966	Position control of servo drive with a state observer. , 2017, , .		1
2967	A Sliding Mode Guidance Law with ESO for Near Space Interceptor. DEStech Transactions on Computer Science and Engineering, 2017, , .	0.1	0
2968	Three-degree-of-freedom positioning control of magnetically levitated permanent magnet planar motor using active disturbance rejection control scheme. Advances in Mechanical Engineering, 2017, 9, 168781401770008.	0.8	5
2970	Data-Driven Neuroendocrine Cooperative Control Systems. Studies in Systems, Decision and Control, 2018, , 195-232.	0.8	0
2971	On active disturbance rejection based framework for flight control: principle and applications. , 2018, , .		0
2973	Path Tracking Method of ALV Model Based on ADRC Strategy and Differential Flatness Theory. Lecture Notes in Electrical Engineering, 2019, , 643-657.	0.3	0
2974	A New Composite Proportional Navigation Entry Guidance Strategy for Glider Under Multiple Uncertainties. , 2018, , .		0
2975	Robust ADRC Control of a Doubly Fed Induction Generator Based Wind Energy Conversion System. Lecture Notes in Electrical Engineering, 2019, , 359-368.	0.3	3

#	ARTICLE	IF	CITATIONS
2976	Optimization of Ship Speed Governor Based on Active Disturbance Rejection Control. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 465-473.	0.5	0
2977	Optimal Control of Spraying and Drying Temperature in Production-Line based on Active Disturbance Rejection Control Technique. <i>International Journal of Performability Engineering</i> , 2019, 15, 2735.	0.6	0
2979	Predictive Control of Quad-Rotor Delivering Unknown Time-Varying Payloads Based upon Extended State Observer. <i>Advances in Aerospace Science and Technology</i> , 2019, 04, 29-41.	0.2	0
2980	An Optimized Nonlinear Extended State Observer for Sensorless IPM Synchronous Motor Drives. , 2019, , .		0
2981	Initial Position Detection of Permanent Magnet Synchronous Machines with Self-Tuning Extended State Observer. , 2019, , .		0
2982	A LFO Suppression Approach for PET-TNCS Based on the Cascaded Nonlinear PI Controller. , 2019, , .		0
2983	Stabilisation of positive systems with generalised disturbances. <i>IET Control Theory and Applications</i> , 2019, 13, 2318-2325.	1.2	6
2984	Active Disturbance Rejection Control of Drum Water Level with Generalized Extended State Observer. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 191-199.	0.3	0
2987	Controlling Strategy of Rail Grinding Mechanism for the Constant Working Power. <i>Mechanisms and Machine Science</i> , 2020, , 430-439.	0.3	1
2988	Active Disturbance Rejection Control Applied to a DC Motor for Position Control. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 437-448.	0.3	2
2989	High Angle of Attack Sliding Mode Control for Aircraft with Thrust Vector Based on ESO. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 48-57.	0.3	0
2990	Passivity-Based Force/Position Active Disturbance Rejection Control of Dual-Arm Space Robot Clamping Capture Spacecraft. <i>Mechanisms and Machine Science</i> , 2020, , 397-408.	0.3	1
2992	Research on the Cascade Active Disturbance Rejection Control of Superheated Steam Temperature Based on Gain Scheduling. , 2019, , .		2
2993	Automatic Taxiing Direction Control System for Carrier-Based Aircraft. <i>Transactions on Maritime Science</i> , 2019, 8, 171-179.	0.3	0
2994	Sliding Mode Control of Three-Phase Power Converters. <i>Studies in Systems, Decision and Control</i> , 2020, , 185-205.	0.8	1
2995	ADRC Continuous and Smooth Extended State Observer Design. , 2019, , .		0
2996	Practical Issues of Sensorless Control for PMSM Drives. , 2020, , 281-295.		0
2997	Adaptive Near-Optimal Control Using Sliding Mode. <i>Studies in Systems, Decision and Control</i> , 2020, , 97-128.	0.8	0

#	ARTICLE	IF	CITATIONS
2998	Adaptive Kinematic Control of Redundant Manipulators. Studies in Systems, Decision and Control, 2020, , 167-197.	0.8	1
2999	Half-Gain Tuning for Active Disturbance Rejection Control. IFAC-PapersOnLine, 2020, 53, 1319-1324.	0.5	6
3001	Data-driven Iterative Tuning for Rejecting Spatial Periodic Disturbances Combined with LESO. IFAC-PapersOnLine, 2020, 53, 3959-3964.	0.5	1
3002	A Fast Iterative Approach for Optimal Control of Nonlinear Systems. IFAC-PapersOnLine, 2020, 53, 7049-7054.	0.5	1
3003	Approximation of the disturbance dynamics by Extended State Observer Using an Artificial Delay. IFAC-PapersOnLine, 2020, 53, 4768-4773.	0.5	1
3004	Flatness-Based Active Disturbance Rejection Control For a Wheeled Mobile Robot Subject To Slips and External Environmental Disturbances. IFAC-PapersOnLine, 2020, 53, 9571-9576.	0.5	2
3005	Adaptive Quaternion Tracking with Nonlinear Disturbance Rejection. , 2020, , .		0
3006	Asymptotically Convergent Higher-Order Switching Differentiator. Mathematics, 2020, 8, 185.	1.1	5
3007	Adaptive Equivalent-input-disturbance Approach to Improving Disturbance-rejection Performance. International Journal of Automation and Computing, 2020, 17, 701-712.	4.5	12
3009	Ultimate stability analysis of active disturbance rejection control with a high-gain observer. , 2020, , .		2
3010	Active Disturbance Rejection Course Control for USV Based on RBF Neural Network. , 2020, , .		4
3011	Linear Active Disturbance Rejection Control for Hydraulic Position Servo System. , 2020, , .		1
3012	Online Parameter Adjustment of an Active Disturbance Rejection Controller for a Robotic Manipulator via Simulated Annealing. Lecture Notes in Electrical Engineering, 2021, , 460-469.	0.3	1
3013	High Efficiency Direct-drive Mount for Space Surveillance and NEO Applications. Publications of the Astronomical Society of the Pacific, 2020, 132, 095002.	1.0	0
3014	A universal digital motion controller design for servo positioning mechanisms in industrial manufacturing. Robotics and Computer-Integrated Manufacturing, 2020, 64, 101943.	6.1	5
3015	Adaptive Droop Control of Coupled Microgrids for Enhanced Power Sharing and Small-Signal Stability. , 2020, , .		4
3016	Robust linear control scheme for nonlinear aerial systems: an experimental study on disturbance rejection*. , 2020, , .		1
3017	Advanced Ship Control Methods. Studies in Systems, Decision and Control, 2021, , 617-643.	0.8	1

#	ARTICLE	IF	CITATIONS
3018	Data-driven iterative tuning based active disturbance rejection control for FOPTD model. ISA Transactions, 2021, , .	3.1	4
3019	Distributed disturbance observer based consensus control for linear multi-agent systems with mismatched disturbances. Journal of the Franklin Institute, 2022, 359, 578-598.	1.9	4
3020	Design and stability analysis of a generalized reduced-order active disturbance rejection controller. Science China Technological Sciences, 2022, 65, 361-374.	2.0	6
3021	Deep reinforcement learning based active disturbance rejection control for ship course control. Neurocomputing, 2022, 484, 99-108.	3.5	18
3022	Active Disturbance Rejection Control of Euler-Lagrange Systems Exploiting Internal Damping. IEEE Transactions on Cybernetics, 2022, 52, 4334-4345.	6.2	14
3023	RESEARCH ON ACTIVE DISTURBANCE REJECTION CONTROL OF HYBRID EXCITATION MAGNETIC SUSPENSION SWITCHED RELUCTANCE MOTOR CONSIDERING NOISE. Progress in Electromagnetics Research M, 2020, 93, 197-207.	0.5	2
3024	State Estimation of Rotary Inverted Pendulum: A Comparative Study of Observers Performance. , 2020, , .		3
3025	Distributed predictive control of interconnected systems based on disturbance observation. IET Control Theory and Applications, 2020, 14, 3260-3269.	1.2	3
3026	Decentralised power distribution and SOC management algorithm for the hybrid energy storage of shipboard integrated power system. IET Generation, Transmission and Distribution, 2020, 14, 6493-6503.	1.4	4
3027	A Combination of Distributed Delays Shapers and ADRC for Gantry Crane Control. , 2020, , .		1
3028	Conditional Integration Active Disturbance Rejection Controller for Path Tracking of Autonomous Driving Vehicles. , 2020, , .		1
3029	Active Disturbance Rejection Path-following Control for Self-driving Forklift Trucks with Geometry based Feedforward. , 2020, , .		0
3030	Synthesis of Active Disturbance Rejection Control. Herald of the Bauman Moscow State Technical University Series Instrument Engineering, 2020, , 22-41.	0.2	3
3031	Research on Speed Control System of PMSM Based on Active Disturbance Rejection Control. , 2020, , .		1
3032	Optimal feedback path selection for interconnected power systems using load frequency control strategy. IET Generation, Transmission and Distribution, 2021, 15, 619-630.	1.4	1
3033	Composite control with observer for switched stochastic systems subject to multiple disturbances and input saturation. IET Control Theory and Applications, 2021, 15, 166-178.	1.2	1
3034	Active Disturbance Rejection Time-Varying Formation Tracking for Unmanned Aerial Vehicles. , 2020, , .		4
3035	Enhancing Inverters Output Voltage Quality Via Uncertainty and Disturbance Estimator-Based Controller with a Multi-Band-Stop Filter. , 2020, , .		0



#	ARTICLE	IF	CITATIONS
3036	Robust Control of Grid-Interfaced Wind Energy Conversion System Based on Active Disturbance Rejection Control. Lecture Notes in Networks and Systems, 2021, , 62-70.	0.5	0
3037	Feedback Path Selection for Load Frequency Control of Interconnected Power Systems. , 2020, , .		0
3038	Robotic constant force grinding control based on grinding model and iterative algorithm. Industrial Robot, 2021, 48, 270-279.	1.2	3
3039	Vehicle Intelligent Inspection Technology Based on Automatic Multi-functional Follow-up Probe. , 2020, , .		0
3040	UDE Based Robust Control of Grid Tied Inverters. International Journal of Applied Mathematics Electronics and Computers, 2020, 8, 209-213.	0.6	1
3041	A Dynamic Motion Tracking Control Approach for a Quadrotor Aerial Mechanical System. Shock and Vibration, 2020, 2020, 1-17.	0.3	4
3042	Disturbance Observer-Based Force Estimation Without Force Sensors. Advances in Industrial Control, 2021, , 29-59.	0.4	0
3043	A nonlinear disturbance rejection vibration control for an all-clamped piezoelectric panel. International Journal of Applied Electromagnetics and Mechanics, 2020, 64, 403-411.	0.3	3
3044	A Parallel Nonlinear Control System of Improved Generalized Predictive Control and Single Neuron PID Based on U-model. , 2020, , .		0
3045	A Review of the Optimization and Control Strategies for Fuel Cell Power Plants in a Microgrid Environment. IEEE Access, 2021, 9, 146900-146920.	2.6	13
3046	Active Disturbance Rejection Control Based on Feedforward Inverse System for Turbofan Engines. IFAC-PapersOnLine, 2021, 54, 376-381.	0.5	5
3047	Fractional Order Linear Active Disturbance Rejection Control for Linear Flexible Joint System. Computers, Materials and Continua, 2022, 70, 5133-5142.	1.5	1
3048	Data-driven adaptive extended state observer design for autonomous surface vehicles with unknown input gains based on concurrent learning. Neurocomputing, 2022, 467, 337-347.	3.5	18
3049	ESO-based adaptive full state constraint control of uncertain systems and its application to hydraulic servo systems. Mechanical Systems and Signal Processing, 2022, 167, 108560.	4.4	28
3050	Boundary stabilization and disturbance rejection for a time fractional order diffusion-wave equation. IFAC-PapersOnLine, 2020, 53, 3695-3700.	0.5	4
3051	The combination of Q-learning based tuning method and active disturbance rejection control for SISO systems with several practical factors. IFAC-PapersOnLine, 2020, 53, 1294-1299.	0.5	2
3052	Observer-Based Nonlinear Decoupling Control for Two-Joint Manipulator Systems Driven by Pneumatic Artificial Muscles. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2020, 142, .	0.9	5
3053	An Improved ADRC with RLS for Torque Control of Permanent Magnet Starter. IFAC-PapersOnLine, 2021, 54, 471-476.	0.5	1

#	ARTICLE	IF	CITATIONS
3054	On Active Disturbance Rejection Control in Presence of Measurement Noise. IEEE Transactions on Industrial Electronics, 2022, 69, 11600-11610.	5.2	23
3055	Error-Based Active Disturbance Rejection Control for Pitch Control of Wind Turbine by Improved Coyote Optimization Algorithm. IEEE Transactions on Energy Conversion, 2022, 37, 1394-1405.	3.7	11
3056	Bumpless Transfer Control for Gas Turbine. IFAC-PapersOnLine, 2021, 54, 488-493.	0.5	1
3057	Sliding Mode Control of PEMFC Systems. Studies in Systems, Decision and Control, 2020, , 83-102.	0.8	0
3058	Friction Compensation and Limit Cycle Suppression at Low Velocities Based on Extended State Observer. IFAC-PapersOnLine, 2020, 53, 1313-1318.	0.5	2
3059	Flat Filtering Cascade Control of Fourth Order Systems. IFAC-PapersOnLine, 2020, 53, 9068-9073.	0.5	0
3060	Error-Based Active Disturbance Rejection Altitude/Attitude Control of a Quadrotor UAV. Advances in Intelligent Systems and Computing, 2020, , 1348-1358.	0.5	3
3061	Active Disturbance Rejection Control of High-Order Flat Underactuated Systems: Mass-Spring Benchmark Problem. Advances in Intelligent Systems and Computing, 2020, , 1336-1347.	0.5	1
3063	Disturbance Observers. , 2020, , 1-8.		1
3064	An ADRC-Based Hardware-in-the-Loop System for Maximum Power Point Tracking of a Wind Power Generation System. IEEE Access, 2020, 8, 226119-226130.	2.6	9
3065	Servo Velocity Control using a P+ADOB controller. IFAC-PapersOnLine, 2020, 53, 1300-1305.	0.5	0
3066	Comparison of Robustness of Selected Speed Control Systems Applied for Two Mass System with Backlash. Advances in Intelligent Systems and Computing, 2020, , 1371-1382.	0.5	1
3067	Control of the Fluidized Bed Combustor based on Active Disturbance Rejection Control and Bode Ideal Cut-off. IFAC-PapersOnLine, 2020, 53, 12517-12522.	0.5	2
3068	Unknown System Dynamics Estimator for Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2020, 53, 554-559.	0.5	4
3069	The Impact of Control Structure on the Path-Following Control of Unmanned Compaction Rollers. , 0, , .		3
3070	Data-Driven Congestion Control of Micro Smart Sensor Networks for Transparent Substations. IEEE Access, 2021, 9, 148625-148634.	2.6	0
3071	Sliding mode control of Cyber-Physical Systems under limited communication. , 2021, , .		0
3072	Research on Control of Stewart Platform Integrating Small Attitude Maneuver and Vibration Isolation for High-Precision Payloads on Spacecraft. Aerospace, 2021, 8, 333.	1.1	7

#	ARTICLE	IF	CITATIONS
3073	Model predictive control of direct-driven surface-mounted permanent magnet synchronous generator based on active disturbance rejection controller. Assembly Automation, 2021, ahead-of-print, .	1.0	2
3074	Event-triggered discrete extended state observer-based model-free controller for quadrotor position and attitude trajectory tracking. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 754-771.	0.7	5
3075	Decoupling control of active suspension and four-wheel steering based on Backstepping-ADRC with mechanical elastic wheel. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702110561.	1.1	0
3076	Multi-verse optimizer based PI-type active disturbance rejection generalized predictive control parameter tuning for ship motion. Optimal Control Applications and Methods, 2023, 44, 1092-1114.	1.3	2
3077	LADRC-Based Magnetic Field Measurement Method for a Nuclear Magnetic Resonance Rotation Sensor. Applied Sciences (Switzerland), 2021, 11, 10458.	1.3	0
3078	Vibration Suppression of a Flexible Beam Based on a Color Tracking Camera and ADC Method. , 2020, , .		0
3079	Adaptive tracking control for spacecraft hovering to noncooperative target with trajectory generator. , 2020, , .		0
3080	An Improved Active Disturbance Rejection Controller for Hydraulic Valve-Controlled Hydraulic Motor. , 2020, , .		3
3081	Decoupling control based on linear/non-linear active disturbance rejection switching for three-degree-of-freedom six-pole active magnetic bearing. IET Electric Power Applications, 2020, 14, 1818-1827.	1.1	11
3082	Active Disturbance Rejection Optimal Control for Quadrotors. , 2020, , .		0
3083	An Improved LADRC Algorithm for Quadrotors. , 2020, , .		0
3084	Application of Linear Active Disturbance Rejection Control in Autonomous Underwater Vehicle Robot. , 2020, , .		1
3085	Comparative Study on LADRC and NLADRC of VGT-EGR System in Diesel Engine. , 2020, , .		4
3086	Active Disturbance Rejection Adaptive Control of Tank Turret-gun Control Systems. , 2020, , .		5
3087	Predictor-based disturbance rejection control design for low-order stable and integrating processes with time delay. , 2020, , .		1
3088	ESO-Based Adaptive Robust Control of 3-Axis Winding of Carbon Fiber. , 2020, , .		0
3089	Linear Active Disturbance Rejection Control for Propeller-Driving System based on Model Information Compensation. , 2020, , .		1
3090	ODE compensation for an unstable heat equation. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
3091	Control Design for Current Loop of PMSM Using A Modified Model-Compensation ADRC Controller. , 2020, , .		4
3092	Nonlinear Tracking Differentiator Based on Feedforward and Arctangent Function. , 2020, , .		2
3094	Sliding Mode Control Method of Powered Parafoil Based on Extended State Observer. Lecture Notes in Electrical Engineering, 2021, , 464-474.	0.3	0
3097	Extended-State-Observer-Based Funnel Control for Motor Servo System with Quantized Input. Lecture Notes in Electrical Engineering, 2021, , 699-708.	0.3	0
3099	Discrete Time Optimal Control Algorithm. Lecture Notes in Electrical Engineering, 2021, , 17-33.	0.3	0
3100	Simple and Efficient Tracking Differentiator. Lecture Notes in Electrical Engineering, 2021, , 35-46.	0.3	1
3101	On Convergence Performance of DTOC Based Tracking Differentiator. Lecture Notes in Electrical Engineering, 2021, , 47-59.	0.3	0
3103	Improved Active Disturbance Rejection Control of Permanent-Magnet Synchronous Motor Based on BP neural network. , 2020, , .		8
3104	An Improved Composite Position Controller based on Discrete-Time Terminal Sliding Mode Control for PMSM Servo System. , 2020, , .		0
3105	Investigating Electrical Drive Performance Employing Model Predictive Control and Active Disturbance Rejection Control Algorithms. , 2020, , .		7
3107	Input-to-state stabilization of coupled parabolic PDEs subject to external disturbances. IMA Journal of Mathematical Control and Information, 2022, 39, 185-218.	1.1	2
3108	Output feedback exponential stabilization for a 1-d wave PDE with dynamic boundary. Journal of Mathematical Analysis and Applications, 2022, 508, 125860.	0.5	2
3109	Robust Partial-state Feedback Attitude Control for Tracking Tumbling Target. , 2021, , .		0
3110	Input-to-State Stabilization for an ODE Cascaded by a Parabolic PIDE with Disturbances. , 2021, , .		0
3111	Active disturbance rejection control with FTCESO applied to tiltrotor transition control. , 2021, , .		0
3112	LESO-based Fault Estimation for Actuators of Quadrotor UAV. , 2021, , .		0
3113	Active disturbance rejection speed control for unmanned electric vehicle system with mismatched uncertainty and generalized state constraint. , 2021, , .		0
3114	Application of linear active disturbance rejection decoupling control for ALIV three-dimensional trajectory tracking control. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3115	Active Disturbance Rejection Control for a Parabolic Trough Solar Field. , 2021, , .		1
3116	Grey Wolf Optimization-Based Active Disturbance Rejection Controller Design for a Hybrid Autogyro. Lecture Notes in Electrical Engineering, 2022, , 2227-2238.	0.3	0
3117	Extended State Observer-Based Saturation Integral Backstepping Control for Yaw Control of UAV Helicopters. Lecture Notes in Electrical Engineering, 2022, , 4021-4037.	0.3	0
3118	Sensorless Acceleration Estimation and Acceleration Feedback Control to Improve the Disturbance Torque Rejection on Galvano Motor System. , 2021, , .		0
3119	Active Disturbance Rejection Control of Doubly-Fed Induction Generators Driven by Wind Turbines. , 2021, , .		4
3120	Deadbeat Predictive Current Control Considering Inverter Nonlinearity for Permanent Magnet Synchronous Machine Drives. , 2021, , .		3
3121	Stabilization of the Aerial Towed Target Using ADRC. Lecture Notes in Electrical Engineering, 2022, , 1381-1391.	0.3	0
3122	Fuzzy Active Disturbance Rejection Control for Hypersonic Vehicle. Lecture Notes in Electrical Engineering, 2022, , 2501-2513.	0.3	1
3123	LADRC Current Control Based On LTCL Filter. , 2021, , .		0
3124	Adaptive Observer Design for Wide-Speed Sensorless IPMSM Drives via Equivalent Control Method. , 2021, , .		1
3125	Active Disturbance Rejection Control of Independent Cooling Systems with Additive Actuator Fault: AMESim and Simulink Co-simulation Study. Lecture Notes in Electrical Engineering, 2022, , 1951-1960.	0.3	0
3126	$\epsilon$ -Nash Equilibrium Seeking for Two Order Multi-agent with Disturbance Rejection. Lecture Notes in Electrical Engineering, 2022, , 3335-3346.	0.3	0
3127	Linear Active Disturbance Rejection Control Design for Single-Phase UPS Inverters. , 2021, , .		3
3128	A Novel Low-Speed Direct-Drive PMSM Control Strategy based on a Two-DOF Structure. , 2021, , .		1
3129	Design and Assessment of ADRC-Based Autopilot for Energy-Efficient Ship Steering. Energies, 2021, 14, 7937.	1.6	1
3130	Adaptive Active Disturbance Rejection Control of Solar Tracking Systems with Partially Known Model. Mathematics, 2021, 9, 2871.	1.1	3
3131	Analysis of disturbance observer-based control systems via spherical polynomials. International Journal of Control, 0, , 1-14.	1.2	0
3132	Disturbance-Improved Model-Free Adaptive Prediction Control for Discrete-Time Nonlinear Systems with Time Delay. Symmetry, 2021, 13, 2128.	1.1	3

#	ARTICLE	IF	CITATIONS
3133	Anti-Disturbance Compensation-Based Nonlinear Control for a Class of MIMO Uncertain Nonlinear Systems. <i>Entropy</i> , 2021, 23, 1487.	1.1	2
3134	Parameterized Trajectory Optimization and Tracking Control of High Altitude Parafoil Generation. <i>Energies</i> , 2021, 14, 7460.	1.6	2
3135	Linear Active Disturbance Rejection Control based on Finite Impulse Response filter for harmonic control in microgrid. <i>Journal of Physics: Conference Series</i> , 2021, 2113, 012049.	0.3	0
3136	Robust path-following control of underactuated AUVs with multiple uncertainties and state constraints. <i>Journal of Physics: Conference Series</i> , 2021, 2121, 012042.	0.3	1
3137	ADRC-Based Control Method for the Vascular Intervention Master-Slave Surgical Robotic System. <i>Micromachines</i> , 2021, 12, 1439.	1.4	20
3138	Optimal control of electrical vehicle incorporated hybrid power system with second order fractional active disturbance rejection controller. <i>Optimal Control Applications and Methods</i> , 2023, 44, 905-934.	1.3	19
3139	Motion Control of Autonomous Underwater Vehicle Based on Fractional Calculus Active Disturbance Rejection. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1306.	1.2	6
3140	Development of an Automatic Elastic Torque Control System Based on a Two-Mass Electric Drive Coordinate Observer. <i>Machines</i> , 2021, 9, 305.	1.2	9
3141	An optimized fuzzy sliding based active disturbance rejection control for simultaneous cyber-attack tolerant and demand response participation program. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e13206.	1.2	6
3142	Model-Free Control to Maneuver an Uncertain 2-DOF Manipulator Robot. <i>Lecture Notes in Networks and Systems</i> , 2022, , 43-53.	0.5	0
3143	Active disturbance rejection motion control of spherical robot with parameter tuning. <i>Industrial Robot</i> , 2022, 49, 332-343.	1.2	7
3144	A large-stroke rapid motion controller for servo applications with speed and control constraints. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 1424-1439.	1.1	1
3145	Free Switching Control Strategy for Multi-Operation Modes of Multi-Port Energy Router in Distribution Area. <i>Energies</i> , 2021, 14, 7860.	1.6	3
3146	Design of a Disturbance Rejection Controller for a Class of Nonholonomic Systems with Uncertainties. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-15.	0.6	0
3147	Scalable multiple linear model RTDA controller formulation for constrained nonlinear processes. <i>Optimal Control Applications and Methods</i> , 2022, 43, 435-458.	1.3	0
3148	Complete model-free sliding mode control (CMFSMC). <i>Scientific Reports</i> , 2021, 11, 22565.	1.6	28
3149	System modeling and control system performance optimization of magnetic suspension and balance system. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2021, , 1-18.	0.3	1
3150	FOC control system of permanent magnet synchronous motor based on fuzzy active disturbance rejection control. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3151	Tracking Trajectory Control of a Double Pendulum Gantry Crane Using ADRC Approach. Lecture Notes in Networks and Systems, 2022, , 92-100.	0.5	0
3152	A Driver and Control Method for Primary Stator Discontinuous Segmented-PMLSM. Symmetry, 2021, 13, 2216.	1.1	1
3153	Signal generator based finite-time formation control for disturbed heterogeneous multi-agent systems. Journal of the Franklin Institute, 2022, 359, 1041-1061.	1.9	11
3154	Sliding Mode Robust Active Disturbance Rejection Control for Single-Link Flexible Arm with Large Payload Variations. Electronics (Switzerland), 2021, 10, 2995.	1.8	5
3155	A Quasi-Resonant Extended State Observer-Based Predictive Current Control Strategy for Three-Phase PWM Rectifier. IEEE Transactions on Industrial Electronics, 2022, 69, 13910-13917.	5.2	18
3156	Input-and-Measurement Event-Triggered Output-Feedback Chattering Reduction Control for MEMS Gyroscopes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5579-5590.	5.9	37
3157	Hierarchic Controllability Analysis in High-Dynamic Guidance for Autonomous Vehicle Landing. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1545-1557.	2.6	3
3158	Distributed Output-Feedback Control of Unmanned Container Transporter Platooning With Uncertainties and Disturbances Using Event-Triggered Mechanism. IEEE Transactions on Vehicular Technology, 2022, 71, 162-170.	3.9	12
3159	Active Disturbance Rejection Control Using Artificial Neural Network for Dual-Active-Bridge-Based Energy Storage System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 301-311.	3.7	16
3160	Velocity-Tracking Control Based on Refined Disturbance Observer for Gimbal Servo System With Multiple Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 10311-10321.	5.2	30
3161	Robust Tuning of Active Disturbance Rejection Controller for Time-Delay Systems With Application to a Factual Electrostatic Precipitator. IEEE Transactions on Control Systems Technology, 2022, 30, 2204-2211.	3.2	12
3162	Extended State Observer Based Interval Type-2 Fuzzy Neural Network Sliding Mode Control With Its Application in Active Power Filter. IEEE Transactions on Power Electronics, 2022, 37, 5138-5154.	5.4	15
3163	Enhanced Reduced-Order Extended State Observer for Motion Control of Differential Driven Mobile Robot. IEEE Transactions on Cybernetics, 2023, 53, 1299-1310.	6.2	15
3164	An Extended State Loop Filter With Position Error Observer for Sensorless IPMSM Drives. IEEE Transactions on Industrial Electronics, 2022, 69, 12213-12224.	5.2	4
3165	Finite-Time Composite Disturbance Rejection Control for Discrete-Time Markovian Jump Systems. IEEE Transactions on Automatic Control, 2022, 67, 6866-6872.	3.6	4
3166	Extended state observer-based control with an adjustable parameter for a large ground-based telescope. Research in Astronomy and Astrophysics, 2021, 21, 316.	0.7	4
3167	Designing and application of modified SSA based ADRC controller for overhead crane systems. International Journal of Intelligent Robotics and Applications, 2022, 6, 449-466.	1.6	3
3168	High-Dimensional Multiple Fractional-Order Controllers for Doubly-Fed Induction Generator-Based Wind Turbines. Journal of Control, Automation and Electrical Systems, 2022, 33, 822-837.	1.2	2

#	ARTICLE	IF	CITATIONS
3169	A Q-Learning-Based Parameters Adaptive Algorithm for Formation Tracking Control of Multi-Mobile Robot Systems. Complexity, 2022, 2022, 1-19.	0.9	1
3170	Stability control of a fixed full-wing layout UAV under manipulation constraints. Aerospace Science and Technology, 2022, 120, 107263.	2.5	7
3171	Accurate Modeling and Homing Control for Parafoil Delivery System Based on Wind Disturbance Rejection. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2916-2934.	2.6	9
3172	Tuning of extended state observer with neural network-based control performance assessment. European Journal of Control, 2022, 64, 100609-100609.	1.6	3
3173	Precise Position Adjustment of Automotive Electrohydraulic Coupling System With Parameter Perturbations. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2022, 144, .	0.9	1
3174	Design and test of an improved active disturbance rejection control system for water sampling unmanned surface vehicle. Ocean Engineering, 2022, 245, 110367.	1.9	13
3175	Adaptive synchronization with disturbance rejection for under-actuated ships with disturbances under thruster saturation. Ocean Engineering, 2022, 245, 110355.	1.9	1
3176	Disturbance rejection using SMC-based-equivalent-input-disturbance approach. Applied Mathematics and Computation, 2022, 418, 126839.	1.4	11
3177	Robust Control of Grid-Connected Photovoltaic Systems Under Unbalanced Faults Without PLL. Canadian Journal of Electrical and Computer Engineering, 2018, 41, 179-190.	1.5	5
3178	Active disturbance rejection adaptive control of multi-motor synchronized driving system. , 2020, , .		2
3179	Multi-Rotor Attitude Control Using Cascade-LADRC with Reduced Order LESO. , 2020, , .		1
3180	Linear Active Disturbance Rejection Controller Design Based on Disturbance Response Specification for a 1st Order Plant. , 2020, , .		1
3181	Control of Interleaved Converters with Constant Power Load for DC Microgrid Application. , 2020, , .		2
3182	Adaptive Active Disturbance Rejection Control of DAB Based on PSO. , 2020, , .		7
3183	Affine Formation Stabilization of multiple UAVs via Active Disturbance Rejection Control. , 2020, , .		0
3184	Distributed Optimization for Uncertain Linear Multi-agent Systems by Integral Control. , 2020, , .		0
3185	Nonlinear Disturbance Observer Based Adaptive Backstepping Control for Trajectory Tracking of Aerial Parallel Manipulator. , 2020, , .		1
3186	Control Strategy of Grid-connected Wind Power Inverter Based on Linear Active Disturbance Rejection Control. , 2020, , .		0



#	ARTICLE	IF	CITATIONS
3187	State-Space Controller as a FOTD Based Generalization of ADRC. , 2020, , .		2
3188	Robust Internal Model Control for Motor Systems Based on Sliding Mode Technique and Extended State Observer. , 2020, , .		0
3189	Advanced Control Design of Interleaved Boost Converter for Fuel Cell Applications. , 2020, , .		9
3190	Model-Free Predictive Current Control of Doubly Fed Induction Generator. , 2020, , .		1
3191	Robust Integral Trajectory Tracking of the Controllable Aerial Towed Drogue. , 2020, , .		1
3192	Time-varying formation control for multi-agent systems with uncertainties and switching directed topology. , 2020, , .		1
3193	Active Disturbance Rejection Adaptive Command Filtered Control of Electrohydraulic Actuator. DEStech Transactions on Engineering and Technology Research, 2020, , .	0.0	0
3195	Data-Driven Lateral Fault-tolerance Control of Autonomous Vehicle System Using Reinforcement Learning. , 2020, , .		2
3196	Extended State Observer Based Reinforcement Learning and Disturbance Rejection for Uncertain Nonlinear Systems. , 2020, , .		6
3197	Time Derivatives of Zhang Dynamics with Han Tracking Differentiator Linked and Also Distinguished. , 2020, , .		1
3198	Composite deep learning control for autonomous bicycles by using deep deterministic policy gradient. , 2020, , .		5
3199	Experiment Verification of High Order Differential Feedback Control for Quadrotor UAV. , 2020, , .		0
3200	Active Disturbance Rejection Controller with Virtual Impedance-based Current Limiter for Voltage Regulation of DC/DC Converters. , 2020, , .		1
3201	Active Disturbance Rejection Control of Path Following Control for Autonomous Ground Vehicles. , 2020, , .		2
3202	A new design of extended state observer for a class of uncertain nonlinear systems with sampled-data measurement. , 2020, , .		0
3203	A Comparison Study of Tracking Differentiator and Robust Exact Differentiator. , 2020, , .		1
3204	Smooth Switching Control of PMSM Based on LADRC and Backstepping Integral Sliding Mode. , 2020, , .		1
3205	LADRC-based Path Following Control for Cylindrical Drilling Platform Towing System. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
3206	An Improved Model Predictive Thrust Control for Long Primary Double-Sided Linear Induction Motor. , 2020, , .		0
3207	Active Disturbance Rejection Control for Loading System. , 2020, , .		1
3208	Predictive Active Disturbance Rejection Control of Pan-tilt Visual Tracking System with Parameter Optimization. , 2020, , .		0
3209	Disturbance observer-based backstepping control for quadrotor UAV manipulator attitude system. , 2020, , .		3
3210	Model-Free Adaptive Control Based on Neural Network Observer for the Chaotic Power Supply System. , 2020, , .		1
3211	Aeroservoelastic Analysis and Active Disturbance Rejection Control Scheme for the High-aspect-ratio UAVs. , 2020, , .		1
3212	A Novel Design of Active Disturbance Rejection Control for TITO Systems. , 2020, , .		0
3213	Modified LADRC Method Applied to Attitude Control of Distributed Electric Propulsion UAV. , 2020, , .		0
3214	Vibration Suppression of Magnetic Bearing System based on Active Disturbance Rejection Control with Generalized Integrator Extend State Observer. , 2020, , .		4
3215	A Comparative Study of The First Order Linear ADRC and PI Controller in The Speed Control System of Permanent Magnet Synchronous Motor. , 2020, , .		1
3216	Variable formation control of quadrotor formation based on consensus algorithm. , 2020, , .		0
3217	Optimal Design for Parameters of Structure and Controller for Rigid-Flexible Coupling Motion Stage. , 2020, , .		1
3218	Active disturbance rejection control for a quadrotor UAV. , 2020, , .		1
3219	Trajectory Tracking of a Quadrotor UAV based on High-Order Differential Feedback Control. , 2020, , .		2
3220	Quadrotor UAV Trajectory Tracking Control based on ASMC and Improved ARDC. , 2020, , .		2
3221	Extended-State-Observer-Based Model Predictive Power Control for Three-Level NPC Rectifiers with Inductance Estimation. , 2020, , .		1
3222	Sliding Mode Dual-Channel Disturbance Rejection Attitude Control for a Quadrotor. IEEE Transactions on Industrial Electronics, 2022, 69, 10489-10499.	5.2	84
3223	Composite Anti-Disturbance Dynamic Regulation for Systems With Multiple Disturbances: From Stability to Balance. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
3224	A Minimum-Footprint Implementation of Discrete-Time ADRC. , 2021, , .		1
3225	Tracking control Scheme for photoelectric tracking platform with predictor-structure ESO. , 2021, , .		1
3226	An Extended PID Control Framework. , 2021, , .		2
3227	Equivalence between Reduced Order Extended State Observer based Active Disturbance Rejection Control and Disturbance Observers Based control schemes. , 2021, , .		1
3228	Research on Photovoltaic Power Smoothing Based on Time Window Tracking Differentiator. , 2021, , .		0
3229	Active Disturbance Rejection Control of All-Clamped Plate Structure with Inertial Actuator Based on Frequency Response Method. Lecture Notes in Electrical Engineering, 2022, , 499-510.	0.3	0
3230	Decoupling Levitation Control of Maglev Train Based on Backstepping Control. , 2021, , .		1
3231	Parameter Tuning of Linear Active Disturbance Rejection Controller for Altitude Based on Particle Swarm Optimization. , 2021, , .		0
3232	An Extended Parameter Estimation Disturbance Observer for an Active Ankle Foot Orthosis. , 2021, , .		1
3233	Lateral Control for Unmanned Ground Vehicle with Anti-Peak Composite Nonlinear Extended State Observer. , 2021, , .		0
3234	Artificial Steering Feel for Teleoperated Road Vehicle with Disturbance Observer. , 2021, , .		2
3235	Repetitive Control-Based Extended State Observer for Current Fluctuation Suppression of PMSM Drives. , 2021, , .		0
3238	An Assessment of Active Disturbance Rejection Technique From a Theoretical Perspective. European Journal of Science and Technology, 0, , .	0.5	1
3239	A Decoupling Synchronous Control Method of Two Motors for Large Optical Telescope. IEEE Transactions on Industrial Electronics, 2022, 69, 13405-13416.	5.2	3
3240	Robust active disturbance rejection control for systems with internal uncertainties: Multirotor UAV application. Journal of Field Robotics, 2022, 39, 426-456.	3.2	3
3241	A Variable Parameter Method Based on Linear Extended State Observer for Position Tracking. Actuators, 2022, 11, 41.	1.2	0
3242	An Algebraic Modulation Strategy for 3L-NPC Converters With Inherent Neutral-Point Voltage Balance Capability. IEEE Transactions on Power Electronics, 2022, 37, 7533-7539.	5.4	2
3243	Extended state observer-based finite-time adaptive sliding mode control for wheeled mobile robot. Journal of Control and Decision, 2022, 9, 465-476.	0.7	3

#	ARTICLE	IF	CITATIONS
3244	Load frequency control in the presence of simultaneous cyber-attack and participation of demand response program. Transactions of the Institute of Measurement and Control, 2022, 44, 1993-2011.	1.1	4
3245	A Robust Control Algorithm of a Descent Vehicle Angular Motion in the Earth's Atmosphere. Applied Sciences (Switzerland), 2022, 12, 731.	1.3	3
3246	Agile Flight Control Under Multiple Disturbances for Quadrotor: Algorithms and Evaluation. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 3049-3062.	2.6	18
3247	Torque Ripple Suppression of Brushless DC Motor Drive System Based on Improved Harmonic Injection Active Disturbance Rejection Control. Sensors, 2022, 22, 1069.	2.1	4
3248	Control of a Mobile Cart with Two Traction Rear Wheels and a Free Front Wheel. Lecture Notes in Mechanical Engineering, 2022, , 751-763.	0.3	0
3249	Proportion integral-type active disturbance rejection generalized predictive control for distillation process based on grey wolf optimization parameter tuning. Chinese Journal of Chemical Engineering, 2022, 49, 234-244.	1.7	8
3250	Disturbance Bounds for Signal Temporal Logic Task Satisfaction: A Dynamics Perspective. , 2022, 6, 2018-2023.		0
3251	Limit cycle oscillation suppression controller design and stability analysis of the periodically time-varying flapping flight dynamics in hover. Nonlinear Dynamics, 2022, 107, 3385-3405.	2.7	3
3252	Active Disturbance Rejection Control Based on Extended State Observer for Three-Phase Battery Energy Storage Power Conversion System with LCL Filter. Journal of Electrical Engineering and Technology, 2022, 17, 1169-1182.	1.2	1
3253	Safety Control for Quadrotor UAV Against Ground Effect and Blade Damage. IEEE Transactions on Industrial Electronics, 2022, 69, 13373-13383.	5.2	11
3254	Adaptive longitudinal control for multivehicle cooperative systems with actuator saturation under road bumps. International Journal of Robust and Nonlinear Control, 2022, 32, 3361-3385.	2.1	4
3255	Active Disturbance Rejection Control Based Sinusoidal Trajectory Tracking for an Upper Limb Robotic Rehabilitation Exoskeleton. Applied Sciences (Switzerland), 2022, 12, 1287.	1.3	9
3256	Extreme learning machine-based field-oriented feedback linearization speed control of permanent magnetic synchronous motors. Neural Computing and Applications, 2022, 34, 5267-5282.	3.2	6
3257	Prescribed-time cooperative guidance law against manoeuvring target with input saturation. International Journal of Control, 2023, 96, 1177-1189.	1.2	7
3258	An Adaptive Active Disturbance Rejection Control Strategy for Speed-Sensorless Induction Motor Drives. IEEE Transactions on Transportation Electrification, 2022, 8, 3336-3348.	5.3	20
3259	Unmanned Aerial Vehicles: Control Methods and Future Challenges. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 601-614.	8.5	69
3260	Super-Twisting Hybrid Control for Ship-Borne PMSM. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 81-88.	2.6	2
3261	Nonlinear cascade control of an electro-hydraulic actuator with large payload variation. Asian Journal of Control, 2023, 25, 101-113.	1.9	2

#	ARTICLE	IF	CITATIONS
3262	Boundary stabilization and disturbance rejection for an unstable time fractional diffusion-wave equation. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2022, 28, 7.	0.7	1
3263	Parameter Optimization of Active Disturbance Rejection Controller Using Adaptive Differential Ant-Lion Optimizer. <i>Algorithms</i> , 2022, 15, 19.	1.2	2
3264	High-Resolution Permanent Magnet Drive Using Separated Observers for Acceleration Estimation and Control. <i>Sensors</i> , 2022, 22, 725.	2.1	2
3265	Disturbance Rejection Based Controller for Frequency Control of Restructured Power System. <i>IETE Journal of Research</i> , 2023, 69, 7446-7459.	1.8	6
3266	Stability and performance comparison analysis for linear active disturbance rejection control-based system. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 2037-2048.	1.1	2
3267	An adaptive composite disturbance rejection for attitude control of the agricultural quadrotor UAV. <i>ISA Transactions</i> , 2022, 129, 564-579.	3.1	22
3268	Flexible spacecraft's active fault-tolerant and anti-unwinding attitude control with vibration suppression. <i>Aerospace Science and Technology</i> , 2022, 122, 107397.	2.5	16
3269	Online reliability assessment of energy systems based on a high-order extended-state-observer with application to nuclear reactors. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112159.	8.2	7
3270	A practical robust bounded control for permanent magnet linear motor with inequality constraints. <i>Control Engineering Practice</i> , 2022, 122, 105068.	3.2	3
3271	Output feedback fault-tolerant control for hypersonic flight vehicles with non-affine actuator faults. <i>Acta Astronautica</i> , 2022, 193, 324-337.	1.7	10
3272	Quadruple-active-bridge based unified power quality conditioner-L with fault current limiting capability. <i>Electric Power Systems Research</i> , 2022, 206, 107780.	2.1	6
3273	Adaptive disturbance observer-based control of hydraulic systems with asymptotic stability. <i>Applied Mathematical Modelling</i> , 2022, 105, 226-242.	2.2	19
3274	The bending control of the soft pneumatic finger. <i>Journal of Physics: Conference Series</i> , 2022, 2181, 012060.	0.3	2
3277	Velocity Following Control of a Pseudo-Driven Wheel for Reducing Internal Forces Between Wheels. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 4337-4344.	3.3	4
3278	Robust Path-Following Control of Underactuated AUVs with Multiple Uncertainties in the Vertical Plane. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 238.	1.2	7
3279	Sliding mode control with extended state observer for a class of nonlinear uncertain systems. <i>International Journal of Control</i> , 2023, 96, 1116-1132.	1.2	0
3280	Output feedback stabilization of Euler-Bernoulli beam equation with general corrupted boundary observation. <i>Applicable Analysis</i> , 0, , 1-19.	0.6	0
3281	Consensus tracking for singular multi-agent systems with Lipschitz nonlinear dynamics and external disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 4899-4922.	2.1	4

#	ARTICLE	IF	CITATIONS
3282	Neuroadaptive control of information-poor servomechanisms with smooth and nonsmooth uncertainties. <i>Complex &amp; Intelligent Systems</i> , 0, , 1.	4.0	3
3283	Boundary Stabilization of Underground Multirobot System with Virtual String Constraints. <i>Journal of Mathematics</i> , 2022, 2022, 1-12.	0.5	0
3284	Improved Linear Active Disturbance Rejection Control for IPMSM Drives Considering Load Inertia Mismatch. <i>Energies</i> , 2022, 15, 1169.	1.6	1
3285	Torque ripple attenuation of PMSM using improved robust two-degree-of-freedom controller via extended sliding mode parameter observer. <i>ISA Transactions</i> , 2022, 129, 558-571.	3.1	7
3286	Multi-strategy fusion based on sea state codes for AUV motion control. <i>Ocean Engineering</i> , 2022, 248, 110600.	1.9	5
3287	Soft Actor-Critic based active disturbance rejection path following control for unmanned surface vessel under wind and wave disturbances. <i>Ocean Engineering</i> , 2022, 247, 110631.	1.9	18
3288	Time-varying formation control of multiple unmanned surface vessels with heterogeneous hydrodynamics subject to actuator attacks. <i>Applied Mathematics and Computation</i> , 2022, 422, 126987.	1.4	10
3289	Quadruple-Active-Bridge Based Unified Power Quality Conditioner-L with Fault Current Limiting Capability. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3290	Sampled-Data Output Feedback Control for Nonlinear Uncertain Systems Using Predictor-Based Continuous-Discrete Observer. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, PP, 1-11.	7.2	2
3291	Trajectory Control of Two-Degree-of-Freedom Sweet Potato Transplanting Robot Arm. <i>IEEE Access</i> , 2022, 10, 26294-26306.	2.6	2
3292	High-Precision Composite Control Based on Dual-Sampling-Rate Extended State Observer for Ultra-Low Speed Gimbal Servo System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 5423-5434.	3.7	2
3293	Reference Model Control of the Time Delayed Double Integrator. <i>IEEE Access</i> , 2022, 10, 39282-39298.	2.6	3
3294	Performance study of ADRC and PID for concurrent Frequency-Voltage Control of Electric Vehicle Incorporated Hybrid Power System. , 2022, , .		6
3296	Advances in Line-of-Sight Guidance for Path Following of Autonomous Marine Vehicles: An Overview. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 12-28.	5.9	61
3297	Analysis and Design of Active Disturbance Rejection Control With an Improved Extended State Observer for Systems With Measurement Noise. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 855-865.	5.2	22
3298	Research on Control Strategy of Single-Point Suspension System Based on Linear Active Disturbance Rejection. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 733-742.	0.3	0
3299	The Continuous State Control of Flight Environment Testbed Based on State Feedback and LPV. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 1055-1063.	0.3	1
3300	A Novel Non-fragile Approach for Flight Vehicles with Perturbations Based on Active Disturbance Rejection Control. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 3505-3513.	0.3	0

#	ARTICLE	IF	CITATIONS
3301	A Low Dynamic Deviation and High Robustness Position Control Strategy Based on Virtual Reference. IEEE Access, 2022, 10, 32290-32300.	2.6	1
3303	Active Disturbance Rejection Generalized Predictive Control of a Quadrotor UAV via Quantitative Feedback Theory. IEEE Access, 2022, 10, 37912-37923.	2.6	6
3304	Various Control Strategies. Springer Tracts in Mechanical Engineering, 2022, , 75-109.	0.1	0
3305	On Sign-Projected Gradient Flow-Optimized Extended-State Observer Design for a Class of Systems With Uncertain Control Gain. IEEE Transactions on Industrial Electronics, 2023, 70, 773-782.	5.2	3
3306	Active Disturbance Rejection Control Applied to a Three-Phase Grid-Connected Photovoltaic System. Advances in Electrical and Computer Engineering, 2022, 22, 87-94.	0.5	2
3307	Integrated Control of Active Front Wheel Steering and Active Suspension Based on Differential Flatness and Nonlinear Disturbance Observer. IEEE Transactions on Vehicular Technology, 2022, 71, 4813-4824.	3.9	9
3309	Optimal Tuning Based Linear Active Disturbance Rejection Control Applied to a Quadcopter. , 2022, , .		1
3310	A Nonlinear Loop Filter based PLL With Harmonic Filtering Capability for Single-Phase Grid Integrated System With Improved Dynamic Performance. IEEE Transactions on Power Delivery, 2022, 37, 4869-4879.	2.9	2
3311	ADRC Strategy for Gearless PMSM Traction Elevators. , 2022, , 163-181.		0
3313	Adaptive Fuzzy Backstepping Asymptotic Disturbance Rejection of Multiagent Systems With Unknown Model Dynamics. IEEE Transactions on Fuzzy Systems, 2022, 30, 4775-4787.	6.5	12
3314	Probe Dynamics Direct Control for Aerial Recovery With Preassigned Docking Performance. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 3509-3523.	2.6	2
3315	Sliding-Mode-Based Robust Output Regulation and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 1852-1860.	5.2	14
3316	Capability Exploration of Extended-State Observer-Based Control Under the Uncertain Case of Disturbance and Actuator Saturation. IEEE Transactions on Industrial Electronics, 2023, 70, 1841-1851.	5.2	5
3317	Generalized Fuzzy Extended State Observer Design for Uncertain Nonlinear Systems: An Improved Dynamic Event-Triggered Approach. IEEE Transactions on Fuzzy Systems, 2022, 30, 4867-4875.	6.5	2
3318	Adaptive Practical Optimal Time-Varying Formation Tracking Control for Disturbed High-Order Multi-Agent Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2567-2578.	3.5	56
3319	Active Disturbance Rejection Control of DC-Bus Voltages Within a High-Speed Aircraft Electric Starter/Generator System. IEEE Transactions on Transportation Electrification, 2022, 8, 4229-4241.	5.3	6
3320	Predefined-time sliding manifold-based fixed-time attitude stabilization control of receiver aircraft with measurement noises. Transactions of the Institute of Measurement and Control, 2022, 44, 2193-2203.	1.1	2
3321	Improved active disturbance rejecter control for trajectory tracking of unmanned surface vessel. Marine Systems and Ocean Technology, 2022, 17, 18-26.	0.5	3

#	ARTICLE	IF	CITATIONS
3322	Systematic design of nonlinear ADRC for laser seeker system with FPGA-based rapid prototyping validation. <i>Aircraft Engineering and Aerospace Technology</i> , 2022, 94, 1087-1099.	0.7	3
3323	Depth Control of an Oil Bladder Type Deep-Sea AUV Based on Fuzzy Adaptive Linear Active Disturbance Rejection Control. <i>Machines</i> , 2022, 10, 163.	1.2	5
3324	Robust Super-Twisting Sliding Mode Backstepping Control Blended with Tracking Differentiator and Nonlinear Disturbance Observer for an Unknown UAV System. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2490.	1.3	6
3325	Reinforcement Learning based Parameter Optimization of Active Disturbance Rejection Control for Autonomous Underwater Vehicle. <i>Journal of Systems Engineering and Electronics</i> , 2022, 33, 170-179.	1.1	7
3326	Disturbance observer-based robust motor control enhanced by adaptive neural network in the absence of velocity measurement. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 5023-5047.	2.1	3
3327	Neural network-based output synchronization control for multi-actuator system. <i>International Journal of Adaptive Control and Signal Processing</i> , 2022, 36, 1155-1171.	2.3	4
3328	Linear active disturbance rejection control of servo systems via IMC principle with active damping and sliding mode techniques. <i>ISA Transactions</i> , 2022, 129, 663-672.	3.1	3
3329	Reduced-Order Extended State Observer-Based Sliding Mode Control for All-Clamped Plate Using an Inertial Actuator. <i>Energies</i> , 2022, 15, 1780.	1.6	4
3330	A Trajectory Tracking Control Based on a Terminal Sliding Mode for a Compliant Robot with Nonlinear Stiffness Joints. <i>Micromachines</i> , 2022, 13, 409.	1.4	2
3331	An event-triggered based robust control for electro-hydraulic servo machines with active disturbances rejection. <i>Journal of the Franklin Institute</i> , 2022, 359, 2857-2885.	1.9	6
3332	Adaptive fuzzy command filtered backstepping control for uncertain pure-feedback systems. <i>ISA Transactions</i> , 2022, 129, 204-213.	3.1	12
3333	Static-Errorless Rotor Position Estimation Method Based on Linear Extended State Observer for IPMSM Sensorless Drives. <i>Energies</i> , 2022, 15, 1943.	1.6	1
3334	An $\hat{\tau}$ -variable model-free prescribed-time control for nonlinear system with uncertainties and disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 5673-5693.	2.1	9
3335	Super Twisting Nonlinear Fractional Order Sliding Mode Control of Aerodynamic Heat Simulation Heating System Based on Time Delay Estimation. <i>Journal of Physics: Conference Series</i> , 2022, 2213, 012001.	0.3	0
3336	Energy-Efficiency-Oriented Vision Feedback Control of QCSP Systems: Linear ADRC Approach. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	1
3337	Nonlinear ESO-based vibration control for an all-clamped piezoelectric plate with disturbances and time delay: Design and hardware implementation. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 2321-2335.	1.4	7
3338	Adaptive enhanced admittance force-tracking controller design for highly dynamic interactive tasks. <i>Industrial Robot</i> , 2022, 49, 903-912.	1.2	5
3339	Based on robust sliding mode and linear active disturbance rejection control for attitude of quadrotor load UAV. <i>Nonlinear Dynamics</i> , 2022, 108, 3485-3503.	2.7	23



#	ARTICLE	IF	CITATIONS
3340	<scp>Composite</scp> observer-based adaptive robust control of electrical optical gyro stabilized platform with largely unknown modeling uncertainties and partial state feedback. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1502-1523.	2.3	3
3341	Global Nonsingular Fast Terminal Sliding Mode Control of Aerodynamic Heat Simulation Heating System Based on Linear Extended State Observer. Journal of Physics: Conference Series, 2022, 2213, 012002.	0.3	0
3342	Conversion Flight Control for Tiltrotor Aircraft via Active Disturbance Rejection Control. Aerospace, 2022, 9, 155.	1.1	6
3343	Sliding Mode Controller with Generalized Extended State Observer for Single Link Flexible Manipulator. Applied Sciences (Switzerland), 2022, 12, 3079.	1.3	3
3344	Inverse compensation-based DETC for nonlinear hysteresis system with disturbance. Asian Journal of Control, 2023, 25, 301-313.	1.9	0
3345	Grey Wolf Optimization Based Active Disturbance Rejection Control Parameter Tuning for Ship Course. International Journal of Control, Automation and Systems, 2022, 20, 842-856.	1.6	8
3346	A control architecture to coordinate energy management with trajectory tracking control for fuel cell/battery hybrid unmanned aerial vehicles. International Journal of Hydrogen Energy, 2022, 47, 15236-15253.	3.8	14
3347	Improved high order differential feedback control of quadrotor UAV based on improved extended state observer. Journal of the Franklin Institute, 2022, 359, 4233-4259.	1.9	9
3348	A Practical Guideline for Designing and Tuning Adaptive Backstepping Controllers for a Class of Second-Order Systems based on PID Similarity. International Journal of Dynamics and Control, 2022, 10, 1829-1846.	1.5	2
3349	Stabilisation, tracking and disturbance rejection control design for the UAS-S45 BÅlam. Aeronautical Journal, 0, , 1-23.	1.1	4
3350	Nonsingular Terminal Sliding Mode Control-based Prescribed Performance Guidance Law with Impact Angle Constraints. International Journal of Control, Automation and Systems, 2022, 20, 715-726.	1.6	11
3351	Application of asymmetric barrier Lyapunov function using ADRC approach for development of autonomous vehicle lateral control. JVC/Journal of Vibration and Control, 0, , 107754632210754.	1.5	0
3352	Coordinated control by ADRC strategy for a wind farm based on SCIG considering low voltage ride-through capability. Protection and Control of Modern Power Systems, 2022, 7, .	4.3	7
3353	Disturbance-observer-based adaptive command filtered control for uncertain nonlinear systems. ISA Transactions, 2022, 130, 490-499.	3.1	19
3354	Robust adaptive active disturbance rejection control of an electric furnace using additional continuous sliding mode component. ISA Transactions, 2022, 130, 152-162.	3.1	5
3355	Attitude dynamics and control of high-mass-ratio fixed-trim moving mass reentry vehicle. Aerospace Science and Technology, 2022, 123, 107456.	2.5	2
3356	Experimental validation of a practical nonlinear control method for hydraulic flight motion simulator. Journal of the Franklin Institute, 2022, 359, 2405-2423.	1.9	6
3357	A class of extended state observers with fractional power function for compound disturbance. Journal of the Franklin Institute, 2022, 359, 4605-4622.	1.9	2

#	ARTICLE	IF	CITATIONS
3358	Design of Improved Nonlinear Active Disturbance Rejection Controller for Hybrid Microgrid With Communication Delay. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 1101-1111.	5.9	16
3359	Dual-loop single dimension fuzzy-based sliding mode control design for robust tracking of an underactuated quadrotor craft. <i>Asian Journal of Control</i> , 2023, 25, 144-169.	1.9	12
3360	Robotic Magnetorheological Finishing Technology Based on Constant Polishing Force Control. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3737.	1.3	9
3361	Adaptive dynamic surface tracking control for uncertain full-state constrained nonlinear systems with disturbance compensation. <i>Journal of the Franklin Institute</i> , 2022, 359, 2424-2444.	1.9	11
3362	Control and Autonomy of Microrobots: Recent Progress and Perspective. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	53
3363	Performance, robustness and noise amplification trade-offs in Disturbance Observer Control design. <i>European Journal of Control</i> , 2022, 65, 100630.	1.6	1
3364	Sliding mode adaptive control for ship path following with sideslip angle observer. <i>Ocean Engineering</i> , 2022, 251, 111106.	1.9	16
3365	Active disturbance rejection controllers optimized via adaptive granularity learning distributed pigeon-inspired optimization for autonomous aerial refueling hose-drogue system. <i>Aerospace Science and Technology</i> , 2022, 124, 107528.	2.5	4
3366	Speed sensorless nonlinear adaptive control of induction motor using combined speed and perturbation observer. <i>Control Engineering Practice</i> , 2022, 123, 105166.	3.2	12
3367	Disturbance observers and extended state observers for marine vehicles: A survey. <i>Control Engineering Practice</i> , 2022, 123, 105158.	3.2	52
3368	Constraint performance pressure tracking control with asymmetric continuous friction compensation for booster based brake-by-wire system. <i>Mechanical Systems and Signal Processing</i> , 2022, 174, 109083.	4.4	12
3369	Uncertainty and disturbance estimator-based resilient tracking control design for fuzzy semi-Markovian jump systems. <i>Applied Mathematics and Computation</i> , 2022, 426, 127123.	1.4	2
3370	Load frequency regulation for multi-area power systems with renewable sources via active disturbance rejection control. <i>Energy Reports</i> , 2022, 8, 401-409.	2.5	7
3371	Optimal design and decoupling control of series DC-link voltages for quadruple-active-bridge based UPQC. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 140, 108038.	3.3	8
3372	Tracking-differentiator-based dynamic virtual inertial control of offshore wind power plant for frequency regulation. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 141, 108150.	3.3	10
3373	Decoupling Control of Distillation Column Based on Active Disturbance Rejection Control. , 2021, , .		0
3374	Linear Active Disturbance Rejection Control of Output Probability Density Function. , 2021, , .		0
3375	Drop control strategy of isolated microgrid based on fractional order active disturbance rejection. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3376	Research on Design of Variable Gear Ratio of Steer-by-Wire System and Comprehensive Feedback Control of Front Wheel Angle. , 2021, , .		0
3377	ADRC-based position control of QCSP with vision feedback. , 2021, , .		2
3378	Extended State Observer Based Sliding Mode Control for Ball-Beam System. , 2021, , .		0
3379	Approach law sliding mode control for path following of underactuated ships with state observer. , 2021, , .		0
3380	Event-triggered Model-free Prescribed-time Quantized Control for Second-order Nonlinear System with Uncertainties and External Disturbances. , 2021, , .		0
3381	ESO-Based Robust Predictive Current Control of DFIG under Nonideal Grid Conditions. , 2021, , .		1
3382	Implementation of Linear Active Disturbance Rejection Control for a DC Motor System. , 2021, , .		0
3383	Active Disturbance Rejection Control of Nonlinear Systems via linear Endogenous injections and Exogenous feedback : A Classical Viewpoint. , 2021, , .		1
3384	Integral Sliding Mode Trajectory Tracking Method for 1-DOP Manipulator Systems driven by Pneumatic Muscles on the Basis of the Nonlinear Extended State Observer. , 2021, , .		0
3385	Web Tension and Speed Control in Rewinding Systems using Active Disturbance Rejection Control. , 2021, , .		1
3386	Common Mode Voltage-based Open-switch Fault Diagnosis for Inverters with Model Predictive Control in IM Drive System. , 2021, , .		0
3387	Active disturbance rejection control for nanopositioning: A robust U-model approach. ISA Transactions, 2021, , .	3.1	4
3388	Frequency performance analysis of proportional integral-type active disturbance rejection generalized predictive control for time delay systems. Systems Science and Control Engineering, 2022, 10, 1-14.	1.8	2
3389	A Review on Haptic Bilateral Teleoperation Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	2.0	15
3390	Critical Assessment and Comparative Study of PID and ADRC Approaches Applied to AGC in Multi-Source Single Area Power System. , 2021, , .		1
3391	Extended State Observer based Integral Sliding Mode Control of Maglev Systems with Enhanced Chattering Alleviation. , 2021, , .		1
3392	Active Disturbance Rejection Current Control for Synchronous Reluctance Motor. , 2021, , .		0
3393	Linear and Nonlinear Fuzzy PID Reset-Based Controllers: An application for a Chemical Process with Variable Delay. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
3394	Design of Yaw Controller for a Small Unmanned Helicopter Based on Improved ADRC. Research on World Agricultural Economy, 2021, 01, .	0.8	1
3395	Sistema de control de posici3n mediante rechazo activo de perturbaciones para sistemas 3pticos l3ser. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 19, 61-73.	0.6	1
3396	Quadrotor Attitude Control by Fractional-Order Fuzzy Particle Swarm Optimization-Based Active Disturbance Rejection Control. Applied Sciences (Switzerland), 2021, 11, 11583.	1.3	8
3398	Distributed formation control of manipulatorsâ€™ end-effector with internal model-based disturbance rejection. , 2021, , .		4
3399	Adaptive Active Disturbance Rejection Control Design For Uncertain Input Gain. , 2021, , .		0
3400	New design of active disturbance rejection control for nonlinear uncertain systems with unknown control input gain. Science China Information Sciences, 2022, 65, 1.	2.7	7
3401	Path Tracking Control of Autonomous Vehicle on Curved Road Considering Multi-Source Uncertainty. , 0, , .		0
3402	Interior Permanent Magnet Synchronous Motor Speed Control Based on Modified Active Disturbance Rejection Controller. , 2021, , .		1
3403	Neural Network Based Adaptive Dynamic Surface Control for Omnidirectional Mobile Robots Tracking Control with Full-state Constraints and Input Saturation. International Journal of Control, Automation and Systems, 2021, 19, 4067-4077.	1.6	6
3404	A Position Control Based on Active Disturbance Rejection Controller Considering Parameter Variations of Harmonic Drive Gear Systems. , 2021, , .		0
3405	Trajectory tracking control for fourâ€™mecanumâ€™wheel mobile vehicle: A variable gain active disturbance rejection control approach. International Journal of Robust and Nonlinear Control, 2022, 32, 1990-2006.	2.1	6
3406	Suppressing High-Frequency External Disturbance in Active Disturbance Rejection Control. , 2021, , .		1
3407	Control of Quadcopter Drone Based on Fractional Active Disturbances Rejection Control. , 2021, , .		1
3408	Robust predictive current control of PWM rectifiers with LCL filters under unbalanced and distorted network conditions. IET Power Electronics, 2022, 15, 226-236.	1.5	9
3409	Extended state observer based fractional order controller design for integer high order systems. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110621.	1.1	0
3410	Performance analysis of typical linear augmented observers for a class of MIMO systems with nonlinear uncertainty. ISA Transactions, 2021, , .	3.1	1
3411	A magnitude optimum approach for tuning Reduced-order ADRC with FOPDT models. , 2021, , .		0
3412	Applying sliding mode technique to design extended state observer for nonlinear systems. Asian Journal of Control, 0, , .	1.9	1

#	ARTICLE	IF	CITATIONS
3413	DEEP DETERMINISTIC POLICY GRADIENT WITH GENERALIZED INTEGRAL COMPENSATOR FOR HEIGHT CONTROL OF QUADROTOR. Journal of Applied Analysis and Computation, 2020, .	0.2	0
3414	Prescribed performance tracking control of multi-link robotic manipulator with uncertainties. Mathematical Foundations of Computing, 2024, 7, 158-170.	0.7	0
3415	An Enhanced Deadbeat Predictive Current Control of SPMSM With Linear Disturbance Observer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6304-6316.	3.7	1
3416	A Surgeon's Habits-Based Novel Master Manipulator for the Vascular Interventional Surgical Master-Slave Robotic System. IEEE Sensors Journal, 2022, 22, 9922-9931.	2.4	16
3417	Novel Extended State Observer Design for Uncertain Nonlinear Systems via Refined Dynamic Event-Triggered Communication Protocol. IEEE Transactions on Cybernetics, 2023, 53, 1856-1867.	6.2	8
3418	Complex Coefficient Active Disturbance Rejection Controller for Current Harmonics Suppression of IPMSM Drives. IEEE Transactions on Power Electronics, 2022, 37, 10443-10454.	5.4	15
3419	A Review on Multimotor Synchronous Control Methods. IEEE Transactions on Transportation Electrification, 2023, 9, 22-33.	5.3	2
3420	DC Shipboard Microgrids With Constant Power Loads: A Review of Advanced Nonlinear Control Strategies and Stabilization Techniques. IEEE Transactions on Smart Grid, 2022, 13, 3422-3438.	6.2	32
3421	Periodic Event-Triggered Control for Networked Control Systems With External Disturbance and Input and Output Delays. IEEE Transactions on Cybernetics, 2023, 53, 6386-6394.	6.2	4
3422	Active Disturbance Rejection Terminal Sliding Mode Control for Tele-Aiming Robot System Using Multiple-Model Kalman Observers. Mathematics, 2022, 10, 1268.	1.1	1
3423	Sliding Mode Controller Based on the Extended State Observer for Plant-Protection Quadrotor Unmanned Aerial Vehicles. Mathematics, 2022, 10, 1346.	1.1	7
3424	Output feedback control of nonlinear cascaded systems with external disturbance and asymmetric constraints. Nonlinear Dynamics, 2022, 108, 3727-3743.	2.7	4
3425	Neuroadaptive learning algorithm for constrained nonlinear systems with disturbance rejection. International Journal of Robust and Nonlinear Control, 2022, 32, 6127-6147.	2.1	53
3426	Modeling and Extended State Observer-Based Backstepping Control of Underwater Electro Hydrostatic Actuator with Pressure Compensator and External Load. Electronics (Switzerland), 2022, 11, 1286.	1.8	6
3427	Learning-based cable coupling effect modeling for robotic manipulation of heavy industrial cables. Scientific Reports, 2022, 12, 6036.	1.6	0
3428	Reference governed ADRC approach to manage the handling-comfort contradiction in a full-vehicle suspension. Transactions of the Institute of Measurement and Control, 2022, 44, 2693-2708.	1.1	2
3429	Trajectory-tracking control of an underactuated unmanned surface vehicle based on quasi-infinite horizon model predictive control algorithm. Transactions of the Institute of Measurement and Control, 2022, 44, 2709-2718.	1.1	4
3430	Trajectory Tracking Control for Under-Actuated Hovercraft Using Differential Flatness and Reinforcement Learning-Based Active Disturbance Rejection Control. Journal of Systems Science and Complexity, 2022, 35, 502-521.	1.6	11

#	ARTICLE	IF	CITATIONS
3431	Single Current Feedback Control Strategy of an LCL Grid-Connected Inverter Based on GI-ESO and Delay Compensation. <i>Energies</i> , 2022, 15, 2893.	1.6	0
3432	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.	1.6	16
3433	Event-triggered adaptive neural tracking control for MSVs under input saturation: An appoint-time approach. <i>Ocean Engineering</i> , 2022, 253, 111097.	1.9	4
3434	Event-triggered finite-time tracking control of underactuated MSVs based on neural network disturbance observer. <i>Ocean Engineering</i> , 2022, 253, 111169.	1.9	13
3437	A Linearâ€“Nonlinear Switching Active Disturbance Rejection Voltage Controller of PMSG. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 3367-3378.	5.3	3
3439	Enhancing the Performance of the Output Active Power of DFIG-Based Wind Turbines Using Auto Disturbance Rejection Control. , 2022, , .		0
3440	Predictor-Based Extended State Observer for Disturbance Rejection Control of Multirate Systems With Measurement Delay. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 3003-3012.	5.2	4
3441	Disturbance Rejection and Control System Design Based on an Improved Equivalent-Input-Disturbance Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 2876-2886.	5.2	3
3442	Model-Free Predictive Control Based on the Integral Sliding Mode Observer for Induction Motor. , 2022, , .		2
3443	Milestones, hotspots and trends in the development of electric machines. , 2022, 1, 82-99.		7
3444	Uncovering Disturbance Observer and Ultra-Local Plant Models in Series PI Controllers. <i>Symmetry</i> , 2022, 14, 640.	1.1	13
3445	The PID and 2DOF control of the integral system - influence of the 2DOF parameters and practical implementation. <i>Measurement and Control</i> , 2022, 55, 94-101.	0.9	6
3446	Cascade active disturbance rejection control of singleâ€“rod electrohydrostatic actuator. <i>Asian Journal of Control</i> , 2023, 25, 1888-1904.	1.9	4
3447	Linear active disturbance rejection speed control with variable gain load torque sliding mode observer for IPMSMs. <i>Journal of Power Electronics</i> , 2022, 22, 1290-1301.	0.9	7
3448	Distributed fuzzy adaptive cooperative strategy considering communication delay and multiple constraints. <i>AIP Advances</i> , 2022, 12, 045025.	0.6	0
3449	PI Speed Control with Reverse Motion of a Series DC Motor Based on the Noise Reduction Disturbance Observer. <i>Actuators</i> , 2022, 11, 117.	1.2	3
3450	Path following control for miniature fixed-wing unmanned aerial vehicles under uncertainties and disturbances: a two-layered framework. <i>Nonlinear Dynamics</i> , 2022, 108, 3761-3781.	2.7	4
3451	Adaptive sliding mode-based active disturbance rejection control for vehicle suspension control. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2022, 236, 1523-1533.	0.7	3

#	ARTICLE	IF	CITATIONS
3452	A Controller Synthesis Method to Achieve Independent Reference Tracking Performance and Disturbance Rejection Performance. ACS Omega, 2022, 7, 16164-16186.	1.6	8
3453	An LADRC Controller to Improve the Robustness of the Visual Tracking and Inertial Stabilized System in Luminance Variation Conditions. Actuators, 2022, 11, 118.	1.2	6
3454	Robust Dissipative-based PI Observer Design for the State of Charge estimation of a Lithium-Ion Battery. Journal of Electrical Engineering and Automation, 2022, 4, 41-56.	0.7	0
3455	A Robust Electric Power-Steering-Angle Controller for Autonomous Vehicles with Disturbance Rejection. Electronics (Switzerland), 2022, 11, 1337.	1.8	2
3456	Consensus-Based Distributed Secondary Frequency Control Method for AC Microgrid Using ADRC Technique. Energies, 2022, 15, 3184.	1.6	5
3457	Development of an IoT Electrostimulator with Closed-Loop Control. Sensors, 2022, 22, 3551.	2.1	6
3458	Improved ADRC-Based Autonomous Vehicle Path-Tracking Control Study Considering Lateral Stability. Applied Sciences (Switzerland), 2022, 12, 4660.	1.3	2
3459	Active disturbance rejection control based on inertia estimation and variable gain for servomechanism of industrial robot. Measurement and Control, 0, , 002029402210752.	0.9	1
3460	Virtual control strategy and conditioning technique for tracking and learning controls under input restrictions. Annual Reviews in Control, 2022, 53, 187-198.	4.4	2
3461	PSO Optimized Active Disturbance Rejection Control for Aircraft Anti-Skid Braking System. Algorithms, 2022, 15, 158.	1.2	3
3462	A hybrid fault prediction method for control systems based on extended state observer and hidden Markov model. Asian Journal of Control, 0, , .	1.9	2
3463	A Nonlinear Vibration Compensation Method for Engineering Forging Hydraulic Press Using Tabu Search Algorithm. Mobile Information Systems, 2022, 2022, 1-10.	0.4	2
3464	Active Disturbance Rejection Control for Uncertain Nonlinear Systems With Sporadic Measurements. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 893-906.	8.5	5
3465	Active disturbance rejection control for hydraulic systems with full state constraints and input saturation. IET Control Theory and Applications, 2022, 16, 1127-1136.	1.2	3
3466	Speed control of PMSM based on neural network model predictive control. Transactions of the Institute of Measurement and Control, 2022, 44, 2781-2794.	1.1	2
3467	Output feedback control for the driving cylinder of hydraulic support with error constraint. JVC/Journal of Vibration and Control, 0, , 107754632210913.	1.5	1
3468	Lumped uncertainty alleviation in output channels of MIMO nonlinear systems based on robust disturbance observer based control strategy. Asian Journal of Control, 0, , .	1.9	0
3469	Aerodynamic Heating Ground Simulation of Hypersonic Vehicles Based on Model-Free Control Using Super Twisting Nonlinear Fractional Order Sliding Mode. Mathematics, 2022, 10, 1664.	1.1	2

#	ARTICLE	IF	CITATIONS
3470	PI-generalizing saturated repetitive learning control for a class of nonlinear uncertain systems: Robustness w.r.t. relative degree zero or one. <i>Systems and Control Letters</i> , 2022, 164, 105248.	1.3	3
3471	Robust output-feedback SOSM control subject to unmatched disturbances and its application: A fixed-time observer-based method. <i>Nonlinear Analysis: Hybrid Systems</i> , 2022, 45, 101210.	2.1	1
3472	Learning-based fixed-wing UAV reactive maneuver control for obstacle avoidance. <i>Aerospace Science and Technology</i> , 2022, 126, 107623.	2.5	12
3473	Speed Fluctuation Mitigation Control for Variable Flux Memory Machine During Magnetization State Manipulations. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 222-232.	5.2	9
3474	Model-Free Predictive Current and Disturbance Rejection Control of Dual Three-Phase PMSM Drives Using Optimal Virtual Vector Modulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2023, 11, 1432-1443.	3.7	11
3475	A Disturbance Estimation Approach to Self-Calibration of Gimbal Resolver- to-Digital Conversion System. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 793-802.	5.2	6
3476	Analytical tuning rules for second-order reduced ADRC with SOPDT models. <i>ISA Transactions</i> , 2022, 131, 693-714.	3.1	6
3477	Novel Adaptive Extended State Observer for Dynamic Parameter Identification with Asymptotic Convergence. <i>Energies</i> , 2022, 15, 3602.	1.6	3
3478	Kinetics Analysis and ADRC-Based Controller for a String-Driven Vascular Intervention Surgical Robotic System. <i>Micromachines</i> , 2022, 13, 770.	1.4	10
3479	Active Fault-Tolerant Control for Near-Space Hypersonic Vehicles. <i>Aerospace</i> , 2022, 9, 237.	1.1	9
3480	New LADRC scheme for fractional-order systems. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 11313-11323.	3.4	2
3481	Control of Linear Servo Carts with Integral-Based Disturbance Rejection. <i>Computers, Materials and Continua</i> , 2022, 73, 453-463.	1.5	0
3482	A Fuzzy-ELADRC Method for a Bearingless Induction Motor. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 11803-11813.	5.4	5
3483	Parameter Design and Convergence Analysis of Flux Observer for Sensorless PMSM Drives. <i>IEEE Transactions on Energy Conversion</i> , 2022, 37, 2512-2524.	3.7	6
3484	Model-Predictive Control Design for Power System Oscillation Damping via Excitation "A Data-Driven Approach. <i>IEEE Transactions on Power Systems</i> , 2023, 38, 1176-1188.	4.6	7
3485	A Linear Active Disturbance Rejection Control Based Sensor lessControl for IPMSMs Considering Harmonic Current Suppression. , 2022, , .		0
3486	Adaptive Uncertainty Estimator-Based Sliding Mode Control for a Spherical Robot: Methodology and Verification. <i>Journal of Computational and Nonlinear Dynamics</i> , 2022, 17, .	0.7	1
3487	Sensorless vector control of doubly fed induction generator based wind turbine using fuzzy fractional order adaptive disturbance rejection control. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 4630-4663.	1.2	3



#	ARTICLE	IF	CITATIONS
3488	Active Disturbance Rejection Control-based Robust Model Predictive Current Control for Induction Motor. <i>Journal of Electrical Engineering and Technology</i> , 0, , .	1.2	2
3489	Robust dynamic heading tracking control for wave gliders. <i>Ocean Engineering</i> , 2022, 256, 111510.	1.9	12
3490	Robustness Optimization Through Modified Linear Active Disturbance Rejection Control for High-Voltage Load Interface in Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 3909-3919.	5.2	7
3491	Dynamic Event-Triggered Antidisturbance Control for Flexible Spacecraft Systems. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022, 58, 5766-5783.	2.6	3
3492	A Class of Active Fault-tolerant Loop Filters for Phase-Locked Loop. , 2022, , .		0
3493	Design and Joint Position Control of Bionic Jumping Leg Driven by Pneumatic Artificial Muscles. <i>Micromachines</i> , 2022, 13, 827.	1.4	3
3494	Practical tracking of MIMO uncertain stochastic systems driven by colored noises via active disturbance rejection control. <i>Science China Information Sciences</i> , 2022, 65, .	2.7	2
3495	A Compound Control Method Based on the Adaptive Linear Extended State Observer and Global Fast Terminal Sliding Mode Control for Inertially Stabilized Platform. <i>Machines</i> , 2022, 10, 426.	1.2	2
3496	An Active Disturbance Rejection Sliding Mode Contour Tracking Control for Biaxial Moving Platform. <i>Mobile Information Systems</i> , 2022, 2022, 1-8.	0.4	0
3497	An Improved Active Disturbance Rejection Model Predictive Power Control with Circulating Current Reduction for Grid-Connected Modular Multilevel Converter. <i>Electric Power Components and Systems</i> , 0, , 1-15.	1.0	1
3498	Proportional-integral-derivative controller optimization by particle swarm optimization and back propagation neural network for a parallel stabilized platform in marine operations. <i>Journal of Ocean Engineering and Science</i> , 2022, , .	1.7	5
3499	Research on the Desired Dynamic Selection of a Reference Model-Based PID Controller: A Case Study on a High-Pressure Heater in a 600 MW Power Plant. <i>Processes</i> , 2022, 10, 1059.	1.3	7
3500	An enhanced sensorless control based on active disturbance rejection controller for a PMSM system: design and hardware implementation. <i>Assembly Automation</i> , 2022, 42, 445-457.	1.0	6
3501	Transient performance improvement of battery integrated stand-alone PMSC wind energy system using active disturbance rejection controller. <i>International Journal of Ambient Energy</i> , 2022, 43, 7787-7811.	1.4	1
3502	Force Tracking Control of Functional Electrical Stimulation via Hybrid Active Disturbance Rejection Control. <i>Electronics (Switzerland)</i> , 2022, 11, 1727.	1.8	0
3503	Disturbance observer based inverse optimal control for a class of nonlinear systems. <i>Neurocomputing</i> , 2022, 500, 821-831.	3.5	8
3504	Extended-state-observer-based Error-driven Adaptive Nonlinear Feedback Control of Electrical-optical Gyro-stabilized Platform via Modified Dynamic Surface Control with Error Constraint. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 1961-1970.	1.6	0
3505	Depth and Attitude Coordinated Control for Supercavitating Vehicle Avoiding Planing Force. <i>Machines</i> , 2022, 10, 433.	1.2	2

#	ARTICLE	IF	CITATIONS
3506	Stable spinning deployment of space triangle tethered formation system using event-triggered sliding mode control. <i>Advances in Space Research</i> , 2022, 70, 1222-1233.	1.2	7
3507	A New Nonlinear Controller Design for a TCP/AQM Network Based on Modified Active Disturbance Rejection Control. <i>Complexity</i> , 2022, 2022, 1-16.	0.9	3
3508	Fixed-time flocking formation of nonlinear multi-agent system with uncertain state perturbation. <i>International Journal of Control</i> , 2023, 96, 2146-2156.	1.2	3
3511	Adaptive Finite-Time Backstepping Sliding Mode Control for PMSM System With Backlash. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 7549-7559.	3.7	6
3512	Arbitrary Current Harmonic Decomposition and Regulation for Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 4392-4404.	5.2	0
3513	Trajectory Tracking Control of Pneumatic Servo System: A Variable Gain ADRC Approach. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 6977-6986.	6.2	6
3514	Resilient Nash Equilibrium Seeking in Multiagent Games Under False Data Injection Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 275-284.	5.9	6
3515	Linear Active Disturbance Rejection Control with a Fractional-Order Integral Action. <i>Computers, Materials and Continua</i> , 2022, 73, 3057-3079.	1.5	0
3516	Nonsmooth Dynamic Tracking Control for Nonlinear Systems With Mismatched Disturbances: Algorithm and Practice. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 4048-4057.	5.2	2
3517	Dynamic Damping of Vibrations in Objects with Undefined Parameters. , 2022, , .		0
3518	How Balinese Hindus interpret the story adapted from the story of the Syrophenician woman found in the Christian Bible in Mark 7:24-30. <i>Verbum Et Ecclesia</i> , 2022, 43, .	0.2	0
3519	Nonlinear Computed Torque Control of 6-Dof Parallel Manipulators. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 2297-2311.	1.6	5
3520	Robust tracking for nanopositioning stages using sliding mode control with active disturbance rejection: Design and implementation. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 3809-3822.	1.5	4
3521	Active Structural Control of Base-Isolated Building Using Equivalent-Input-Disturbance Approach With Reduced-Order State Observer. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2022, 144, .	0.9	7
3522	LADRC Based Digital Control DC-DC ASIC Design. <i>Journal of Physics: Conference Series</i> , 2022, 2290, 012074.	0.3	0
3523	Development of autonomous vehicle lateral control using time-varying asymmetric barrier Lyapunov function via ADRC approach. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 0, , 095965182211030.	0.7	0
3524	Implementation of Dynamic and Static Moisture Control in Fluidized Bed Granulation. <i>AAPS PharmSciTech</i> , 2022, 23, .	1.5	1
3525	Adaptive sliding mode-based active disturbance rejection control for a quadcopter. <i>Transactions of the Institute of Measurement and Control</i> , 2022, 44, 3176-3190.	1.1	2

#	ARTICLE	IF	CITATIONS
3526	Fast trimaran anti-longitudinal motion control system based on active disturbance rejection control with controller tuning. Journal of Marine Science and Technology, 0, , .	1.3	2
3527	A Novel Trajectory Adjustment Mechanism-Based Prescribed Performance Tracking Control for Electro-Hydraulic Systems Subject to Disturbances and Modeling Uncertainties. Applied Sciences (Switzerland), 2022, 12, 6034.	1.3	3
3528	Robust Nonlinear Tracking Control with Exponential Convergence Using Contraction Metrics and Disturbance Estimation. Sensors, 2022, 22, 4743.	2.1	2
3529	Active Disturbance Rejection Control of Second-Order Nonlinear Uncertain Systems with Guaranteed Transient and Steady State Tracking Error Bounds. Journal of Systems Science and Complexity, 0, , .	1.6	0
3530	A Finite-Time Differentiator with Application to Nuclear Reactor Inverse Period Measurement. Energies, 2022, 15, 4487.	1.6	1
3531	Continuous adaptive integral recursive terminal sliding mode control for DC motors. International Journal of Control, 0, , 1-11.	1.2	1
3532	An Improved Backstepping Controller with an LESO and TDs for Robust Underwater 3D Trajectory Tracking of a Turtle-Inspired Amphibious Spherical Robot. Machines, 2022, 10, 450.	1.2	4
3533	Phase compensation based active disturbance rejection control for high order superheated steam temperature system. Control Engineering Practice, 2022, 126, 105200.	3.2	10
3534	A $\frac{d^2}{dt^2}$ order Active Disturbance Rejection Controller for coordinated frequency-voltage control of deregulated hybrid power system with optimal electric-vehicle integration. Electric Power Systems Research, 2022, 210, 108129.	2.1	8
3535	Dynamical Delay Unification of Disturbance Observation Techniques for PMSM Drives Control. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5560-5571.	3.7	5
3536	Disturbance Rejection Speed Control Based on Linear Extended State Observer for Isokinetic Muscle Strength Training System. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1962-1971.	3.4	3
3537	Extended-State-Observer-Based Adaptive Prescribed Performance Control for Hydraulic Systems With Full-State Constraints. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5615-5625.	3.7	34
3538	Active Disturbance Rejection Control of SEA Based on Reduced Order Extended State Observer. Lecture Notes in Electrical Engineering, 2022, , 121-129.	0.3	0
3539	Active Disturbance Rejection Control for Static Power Converters in Flexible AC Traction Power Supply Systems. IEEE Transactions on Energy Conversion, 2022, 37, 2851-2862.	3.7	6
3540	Adaptive Resonant-EIDO-Based Optimized Position Precision Control for Magnetic Levitation System. IEEE Transactions on Industrial Electronics, 2023, 70, 5013-5023.	5.2	1
3541	Optimal Path Following Control With Efficient Computation for Snake Robots Subject to Multiple Constraints and Unknown Frictions. IEEE Robotics and Automation Letters, 2022, 7, 9151-9158.	3.3	6
3542	Enhanced Voltage Regulation for PV Power Conversion Using Quasi-Proportional Resonant Extended State Observer. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2023, 4, 70-77.	3.0	4
3543	Design of Model-Free Speed Regulation System for Permanent Magnet Synchronous Linear Motor Based on Adaptive Observer. IEEE Access, 2022, 10, 68545-68556.	2.6	5

#	ARTICLE	IF	CITATIONS
3544	Higher Order Extended State Observer in Presence of Fast Varying Mismatched Uncertainty. , 2022, , .		1
3545	Ship Dynamic Positioning Control Based on Active Disturbance Rejection Control. Journal of Marine Science and Engineering, 2022, 10, 865.	1.2	6
3546	Neural Direct Adaptive Active Disturbance Rejection Controller for Electro-hydraulic Servo System. International Journal of Control, Automation and Systems, 2022, 20, 2402-2412.	1.6	3
3547	Terminal angle constrained time-varying sliding mode guidance law with autopilot dynamics and input saturation. Asian Journal of Control, 2023, 25, 1130-1144.	1.9	4
3548	Vibration Control of Disturbed All-Clamped Plate with an Inertial Actuator Based on Cascade Active Disturbance Rejection Control. Machines, 2022, 10, 528.	1.2	3
3549	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. Mathematics, 2022, 10, 2261.	1.1	3
3550	Active Disturbance Rejection Control of Nuclear Pressurized Water Reactor for Power Generation. , 2022, , .		1
3551	An improved model-free prediction control strategy based on ultra-local model for three-level T-type grid-tied converter. , 2022, , .		0
3552	Improved modeling and active disturbance rejection control of tank gun control system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182211045.	0.7	1
3553	An Integrated Design of Cost-effective Bipolar Hexagonal Coil and Active Disturbance Rejection Control for Wireless Power Transfer. , 2022, , .		1
3554	Robust trajectory tracking control for a quadrotor using recursive sliding mode control and nonlinear extended state observer. Aerospace Science and Technology, 2022, 128, 107749.	2.5	24
3555	Prescribed-time guidance scheme design for missile salvo attack. Journal of the Franklin Institute, 2022, 359, 6759-6782.	1.9	1
3556	Prescribed-time stabilisation for uncertain reaction-diffusion equations with Neumann boundary control. International Journal of Control, 2023, 96, 2374-2383.	1.2	1
3557	Y <sup>1/4</sup> kseltici DA-DA D <sup>1/4</sup> n <sup>1/4</sup> Ä <sup>1/4</sup> t <sup>1/4</sup> r <sup>1/4</sup> c <sup>1/4</sup> i <sup>1/4</sup> sin Bozucu Bast <sup>1/4</sup> ±rma Kontrol <sup>1/4</sup> Metoduna Alternatif Bir Yakla <sup>1/4</sup> ±m. European Journal of Science and Technology, 0, , .	0.5	0
3558	Output tracking for an Euler-Bernoulli beam equation with moment boundary control and shear boundary disturbance. Mathematical Methods in the Applied Sciences, 2023, 46, 675-694.	1.2	2
3559	A Cooperative ADRC-Based Approach for Angular Velocity Synchronization and Load-Sharing in Servomechanisms. Energies, 2022, 15, 5121.	1.6	1
3560	A Novel Electronic Wedge Brake Based on Active Disturbance Rejection Control. Energies, 2022, 15, 5096.	1.6	1
3561	Nonlinear Extended State Observer Based Prescribed Performance Control for Quadrotor UAV with Attitude and Input Saturation Constraints. Machines, 2022, 10, 551.	1.2	4

#	ARTICLE	IF	CITATIONS
3562	High performance control method of electro-mechanical actuator based on active disturbance rejection control. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781322211141.	0.8	0
3563	Drag-free design based on Embedded Model Control for TianQin project. <i>Acta Astronautica</i> , 2022, 198, 482-494.	1.7	17
3564	Performance-based data-driven optimal tracking control of shape memory alloy actuated manipulator through reinforcement learning. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 114, 105060.	4.3	10
3565	Robust nonlinear adaptive pressure control of polymer electrolyte membrane fuel cells considering sensor failures based on perturbation compensation. <i>Energy Reports</i> , 2022, 8, 8396-8412.	2.5	2
3566	Output feedback disturbance rejection control for full-state constrained hydraulic systems with guaranteed tracking performance. <i>Applied Mathematical Modelling</i> , 2022, 111, 332-348.	2.2	13
3567	Adaptive active fault-tolerant MPPT control of variable-speed wind turbine considering generator actuator failure. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 143, 108443.	3.3	14
3568	Path following of autonomous surface vehicles with line-of-sight and nonlinear model predictive control. , 2021, , .		1
3569	Robust Reduced-Order Active Disturbance Rejection Control Method: A Case Study on Speed Control of a One-Dimensional Gimbal. <i>Machines</i> , 2022, 10, 592.	1.2	1
3570	Continuous Nonsingular Fast Terminal Sliding Mode Control for Speed Tracking of PMSM Based on Finite Time Disturbance Observer. <i>Processes</i> , 2022, 10, 1407.	1.3	4
3571	ADRC-Based Habituating Control of Double-Heater Heat Source. <i>Energies</i> , 2022, 15, 5241.	1.6	0
3572	Frequency response-based decoupling tuning for feedforward compensation ADRC of distributed parameter systems. <i>Control Engineering Practice</i> , 2022, 126, 105265.	3.2	14
3573	Estimator-Based Turning Control for Unmanned Ground Vehicles: An Anti-Peak Extended State Observer Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 12489-12498.	3.9	4
3574	Distributed Nash Equilibrium Seeking Algorithms for Uncertain Linear Multi-agent Systems. , 2022, , .		1
3575	LADRC Design Based on Disturbance Response Specification for the Second Order Plant. , 2022, , .		0
3576	Active disturbance rejection current control strategy of flyback inverter based on reference current feedforward. , 2022, , .		0
3577	Extended State Observer based Robust Model Predictive Control for Autonomous Underwater Vehicle. , 2022, , .		0
3578	Sensorless Control of Permanent Magnet Synchronous Motor Based on Finite-Position-Set-Phase-Locked Loop. , 2022, , .		1
3579	Robust Model Predictive Control with ESO for Quadrotor Trajectory Tracking with Disturbances. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
3580	Experimental verification of an LiDAR based Gust Rejection System for a Quadrotor UAV. , 2022, , .		3
3581	Nonlinear Extended State Observer Based Direct Voltage Sliding Mode Control of Stand-Alone DFIG-DC Systems. , 2022, , .		0
3582	On the Robustness Enhancement of DRL Controller for DC-DC Converters in Practical Applications. , 2022, , .		2
3584	Parameter Tuning of NLADRC for VGT-EGR System in Diesel Engine Based on CARLA Algorithm. , 2022, , .		1
3585	Resilient anti-disturbance dynamic surface control of uncertain strict-feedback systems subject to partial loss of actuator effectiveness. Nonlinear Dynamics, 2022, 110, 349-362.	2.7	1
3587	Suboptimal attitude control of unknown flexible space debris. Advances in Space Research, 2022, , .	1.2	0
3588	Disturbance Estimation Based Robust Model Predictive Position Tracking Control for Magnetic Levitation System. , 2022, , .		0
3589	On fast finite-time extended state observer and its application to wheeled mobile robots. Nonlinear Dynamics, 2022, 110, 1473-1485.	2.7	3
3591	Robust composite control design of drag-free satellite with Kalman filter-based extended state observer for disturbance reduction. Advances in Space Research, 2022, 70, 3034-3050.	1.2	3
3592	Optimal resource allocation for high-order nonlinear uncertain multi-agent systems. International Journal of Robust and Nonlinear Control, 2022, 32, 8507-8525.	2.1	5
3593	Design of ADRC Controller for Induction Motor Based on Improved fal Function. , 2022, , .		2
3594	A Modified Active-Disturbance-Rejection Control with Sliding Modes for an Uncertain System by Using a Novel Reaching Law. Electronics (Switzerland), 2022, 11, 2392.	1.8	6
3595	Extended State Observer Based Nonsingular Terminal Sliding Mode Control for a Class of Dynamic Systems. , 2022, , .		0
3596	Learning Robot Inverse Dynamics Using Sparse Online Gaussian Process with Forgetting Mechanism. , 2022, , .		0
3597	Extended State Observer Based Sliding Mode Control for a Class of Dynamic Systems with Input Constraint. , 2022, , .		0
3598	A Dual-Position Loop LLADRC Control Method Based on Harmonic Gear Drive. Mathematical Problems in Engineering, 2022, 2022, 1-11.	0.6	1
3599	A Novel ADRC Design with Cascade of Observers for Rigid-body Motion Control Systems. , 2022, , .		0
3600	Research on Aircraft Attitude Control Method Based on Linear Active Disturbance Rejection. International Journal of Aerospace Engineering, 2022, 2022, 1-8.	0.5	1

#	ARTICLE	IF	CITATIONS
3601	LESO-Based Nonlinear Continuous Robust Stabilization Control of Underactuated TORA Systems. Actuators, 2022, 11, 220.	1.2	1
3602	Global position tracking control of PMSM servo system via internal model approach and experimental validations. International Journal of Robust and Nonlinear Control, 2022, 32, 9017-9033.	2.1	2
3603	Prescribed-time stabilisation of linear systems with matched unknown external disturbance by smooth periodic delayed feedback. International Journal of Control, 2023, 96, 2600-2610.	1.2	1
3604	Numerical Analyses and a Nonlinear Composite Controller for a Real-Time Ground Aerodynamic Heating Simulation of a Hypersonic Flying Object. Mathematics, 2022, 10, 3022.	1.1	3
3605	Model-Assisted Reduced-Order ESO Based Command Filtered Tracking Control of Flexible-Joint Manipulators with Matched and Mismatched Disturbances. Applied Sciences (Switzerland), 2022, 12, 8511.	1.3	2
3606	Output feedback control for nonholonomic systems with nonvanishing disturbances and asymmetric time-varying constraints. Transactions of the Institute of Measurement and Control, 0, , 014233122211110.	1.1	0
3607	Disturbance rejection-based robust decentralized controller design for a multivariable system. Transactions of the Institute of Measurement and Control, 2023, 45, 620-636.	1.1	2
3608	State of charge estimation based on active disturbance rejection control for power batteries in engine waste heat recovery system. Transactions of the Institute of Measurement and Control, 0, , 014233122211104.	1.1	0
3609	Active disturbance rejection adaptive control of multi-degrees of freedom hydraulic manipulators. International Journal of Adaptive Control and Signal Processing, 2022, 36, 2880-2902.	2.3	1
3610	Active disturbance rejection control for non-minimum phase systems under plant reconstruction. ISA Transactions, 2023, 134, 497-510.	3.1	3
3611	Tracking control of soft dielectric elastomer actuator based on nonlinear PID controller. International Journal of Control, 2024, 97, 130-140.	1.2	4
3612	Cascade Sliding Mode Control of Four-sided Clamped Plate Based on Extended State Observer. , 2022, , .		0
3613	Dynamical Design of ADRC for One-DOF Manipulator Systems with Time-varying Disturbance and Large Parametric Uncertainty. , 2022, , .		0
3614	Nonlinear time-varying sliding mode synchronous control of double-lift overhead cranes under unknown disturbances. Transactions of the Institute of Measurement and Control, 2023, 45, 181-194.	1.1	3
3615	More Detailed Disturbance Measurement and Active Disturbance Rejection Altitude Control for a Flapping Wing Robot Under Internal and External Disturbances. Journal of Bionic Engineering, 2022, 19, 1722-1735.	2.7	5
3616	Hierarchical control of starting process for wet dual clutch transmission based on direct-drive pump-controlled hydraulic actuator. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	0.8	1
3617	A New Nonlinear Controller for the Maximum Power Point Tracking of Photovoltaic Systems in Micro Grid Applications Based on Modified Anti-Disturbance Compensation. Sustainability, 2022, 14, 10511.	1.6	5
3618	Nonlinear Gain Extended State Observer Based Nonsmooth Funnel Control for Nonlinear Systems with Unknown Dynamics. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3619	A PID Controller based on ESO and Tuning Method. , 2022, , .		2
3620	Implementation of a robust data-driven control approach for an omni-directional mobile manipulator based on koopman operator. Measurement and Control, 0, , 002029402210948.	0.9	0
3621	Comprehensive Engineering Frequency Domain Analysis and Vibration Suppression of Flexible Aircraft Based on Active Disturbance Rejection Controller. Sensors, 2022, 22, 6207.	2.1	2
3622	Continuous output feedback sliding mode control for underactuated flexible-joint robot. Journal of the Franklin Institute, 2022, 359, 7847-7865.	1.9	13
3623	Closed-loop seizure modulation via extreme learning machine based extended state observer. Cognitive Neurodynamics, 0, , .	2.3	0
3624	Modified active disturbance rejection control scheme with sliding mode compensation for airborne star tracker driven by Permanent Magnet Synchronous Motor. Control Engineering Practice, 2022, 127, 105267.	3.2	8
3625	A synthesis method for first-order active disturbance rejection controllers: Procedures and field tests. Control Engineering Practice, 2022, 127, 105286.	3.2	7
3626	Modeling and predefined-time anti-disturbance control for the aerial refueling phase of receiver aircraft. Applied Mathematical Modelling, 2022, 112, 540-559.	2.2	7
3627	Non-asymptotic and robust estimation for a class of nonlinear fractional-order systems. Communications in Nonlinear Science and Numerical Simulation, 2022, 115, 106752.	1.7	16
3628	Enhanced extended state observer-based model-free force control for a Series Elastic Actuator. Mechanical Systems and Signal Processing, 2023, 183, 109584.	4.4	7
3629	A High-Performance Compound Control Method for a Three-Axis Inertially Stabilized Platform under Multiple Disturbances. Symmetry, 2022, 14, 1848.	1.1	2
3630	Conditional Disturbance Negation Based Control for an Omnidirectional Mobile Robot: An Energy Perspective. IEEE Robotics and Automation Letters, 2022, 7, 11641-11648.	3.3	0
3631	Fixed-time formation-containment control for uncertain multi-agent systems with varying gain extended state observer. Information Sciences, 2022, 612, 759-779.	4.0	13
3632	A hierarchical disturbance rejection depth tracking control of underactuated AUV with experimental verification. Ocean Engineering, 2022, 264, 112458.	1.9	9
3633	Robust frequencyâ€“voltage stabilization scheme for multi-area power systems incorporated with EVs and renewable generations using AI based modified disturbance rejection controller. Energy Reports, 2022, 8, 12186-12202.	2.5	11
3634	Active control of combustion oscillation with active disturbance rejection control (ADRC) method. Journal of Sound and Vibration, 2022, 540, 117245.	2.1	6
3635	Robust disturbance observer-based fast maneuver method for attitude control of optical remote sensing satellites. Acta Astronautica, 2022, 201, 83-93.	1.7	3
3636	Multivariable active disturbance rejection control for compression liquid chiller system. Energy, 2023, 262, 125344.	4.5	5



#	ARTICLE	IF	CITATIONS
3637	Linear Active Disturbance Rejection Control for Dual-Stator Winding Induction Generator AC Power System. IEEE Transactions on Industrial Electronics, 2023, 70, 6597-6607.	5.2	6
3638	Output Feedback Control of Hydraulic Active Suspensions With Experimental Validation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 631-635.	2.2	4
3639	A Novel Reduced-Order Generalized Differentiator With Zero-Phase Lag and Improved Noise Attenuation. IEEE Transactions on Power Electronics, 2023, 38, 1406-1411.	5.4	4
3640	Nonlinear Uncertainty Estimator-Based Robust Control for PMSM Servo Mechanisms With Prescribed Performance. IEEE Transactions on Transportation Electrification, 2023, 9, 2535-2543.	5.3	3
3641	Time-Delay Active Disturbance Rejection Control of Wet Electrostatic Precipitator in Power Plants. IEEE Transactions on Automation Science and Engineering, 2023, 20, 2748-2760.	3.4	2
3642	Deep Reinforcement Learning Framework-Based Flow Rate Rejection Control of Soft Magnetic Miniature Robots. IEEE Transactions on Cybernetics, 2023, 53, 7699-7711.	6.2	13
3643	Path-Following Control Capable of Reinforcing Transient Performances for Networked Mobile Robots Over a Single Curve. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	2.4	19
3644	Extended State Observer Based Integral Sliding Mode Control for Maglev System With Fixed Time Convergence. IEEE Access, 2022, 10, 93074-93083.	2.6	4
3645	3-D Path-Following Control for Steerable Needles With Fiber Bragg Gratings in Multi-Core Fibers. IEEE Transactions on Biomedical Engineering, 2023, 70, 1072-1085.	2.5	2
3646	Analysis and Improved Control Strategy for New Generation Poloidal Field Power Supply. IEEE Transactions on Plasma Science, 2022, 50, 4393-4400.	0.6	1
3647	Combustion stability control of a single-piston free piston engine generator. Thermal Science, 2023, 27, 233-244.	0.5	2
3648	Koopman-Operator-Based Robust Data-Driven Control for Wheeled Mobile Robots. IEEE/ASME Transactions on Mechatronics, 2023, 28, 461-472.	3.7	1
3649	Generalized-Extended-State-Observer and Equivalent-Input-Disturbance Methods for Active Disturbance Rejection: Deep Observation and Comparison. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 957-968.	8.5	13
3650	Active Disturbance Rejection Control Strategy Applied to Oxygen Excess Ratio for Proton Exchange Membrane Fuel Cells A System. SSRN Electronic Journal, 0, , .	0.4	0
3651	Improved Grey Wolf Optimizer Tuned Active Disturbance Rejection Control for Ship Heading. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 680-684.	2.2	3
3652	Full-Order Sliding-Mode Current Control of Permanent Magnet Synchronous Generator With Disturbance Rejection. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2023, 4, 128-136.	3.0	9
3653	Performance Analysis of Improved ADRCs for a Class of High-Order Processes With Verification on Main Steam Pressure Control. IEEE Transactions on Industrial Electronics, 2023, 70, 6180-6190.	5.2	17
3654	An Adaptive Filter-Based Equivalent-Input-Disturbance Approach for Networked Control Systems With Measurement Noise. IEEE Transactions on Industrial Electronics, 2023, 70, 6170-6179.	5.2	3

#	ARTICLE	IF	CITATIONS
3655	Event-Triggered Nash Equilibrium Seeking for Multiagent Systems With Stubborn ESO. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 1347-1358.	5.9	5
3656	Robust Power Decoupling Based on Feedforward Decoupling and Extended State Observers for Virtual Synchronous Generator in Weak Grid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 576-587.	3.7	4
3657	Improved Cascade Active Disturbance Rejection Control for Functional Electrical Stimulation Based Wrist Tremor Suppression System Considering the Effect of Output Noise. Lecture Notes in Computer Science, 2022, , 232-244.	1.0	0
3658	A Novel Disturbance-Rejection Control Framework for Cable-Driven Continuum Robots With Improved State Parameterizations. IEEE Access, 2022, 10, 91545-91556.	2.6	1
3659	Stability and Fast Transient Performance Oriented Motion Control of a Direct-Drive System With Modeling Uncertainties, Velocity, and Input Constraints. IEEE/ASME Transactions on Mechatronics, 2022, 27, 5926-5935.	3.7	6
3660	Model-Free Adaptive Disturbance Rejection Control of An RSV With Hardware-in-The-Loop Experiments. IEEE Transactions on Industrial Electronics, 2023, 70, 7507-7510.	5.2	3
3661	A New Adaptive Disturbance/Uncertainty Estimator Based Control Scheme For LTI Systems. IEEE Access, 2022, 10, 106849-106858.	2.6	2
3662	Design of Active Disturbance Rejection Attitude Controller for Vertical Launched Missile Based on Improved Particle Swarm Optimization. Lecture Notes in Electrical Engineering, 2022, , 661-672.	0.3	0
3663	Tracking and Synchronization Control Strategy of Vehicle Dual-Motor Steer-by-Wire System via Active Disturbance Rejection Control. IEEE/ASME Transactions on Mechatronics, 2023, 28, 92-103.	3.7	10
3664	Robust Model Predictive Current Control of PMSM Based on Nonlinear Extended State Observer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 862-873.	3.7	7
3665	Optimal Dynamic and Steady-State Performance of PV-Interfaced Converters Using Adaptive Observers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4909-4913.	2.2	2
3666	Reguladores basados en observadores de perturbaciones: principios de funcionamiento y métodos de diseño. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2022, 19, 343-355.	0.6	3
3667	Application of Deep Learning Technique based Load Forecast for Frequency Regulation. , 2022, , .		0
3668	Prescribed-Time Stabilization Robust to Measurement Disturbances. , 2022, , .		2
3669	Comparison of LQG and ADRC based wind disturbance rejection schemes for Deep Space Antenna. , 2022, , .		1
3670	ADRC Control for a Single-Stage Photovoltaic System Connected to the Three-Phase Electrical Grid. , 2022, , .		2
3671	Online Identification of Inductance and Flux Linkage for Inverter-Fed SPMSMs Using Switching State Functions. IEEE Transactions on Power Electronics, 2023, 38, 917-930.	5.4	3
3672	Active Disturbance Rejection Control Based on Deep Reinforcement Learning of PMSM for More Electric Aircraft. IEEE Transactions on Power Electronics, 2023, 38, 406-416.	5.4	28

#	ARTICLE	IF	CITATIONS
3673	A 6-DOF extended state observer-based adaptive generalized super twisting algorithm of fault-tolerant control for coupled spacecraft with actuator saturation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2023, 237, 1239-1254.	0.7	3
3674	Extended State Observer Based Parameter Identification of the Hovercraft System. , 2022, , .		2
3675	Fractional-Order Linear Active Disturbance Rejection Control Design and Optimization Based Improved Sparrow Search Algorithm for Quadrotor UAV with System Uncertainties and External Disturbance. Drones, 2022, 6, 229.	2.7	9
3676	Research on Linear Active Disturbance Rejection Control of Packaged Equipment. , 2022, , .		0
3677	Overview of Position Servo Control Technology and Development of Voice Coil Motor. CES Transactions on Electrical Machines and Systems, 2022, 6, 269-278.	2.7	2
3678	Extended State Observer-Based Parameter Identification of Response Model for Autonomous Vessels. Journal of Marine Science and Engineering, 2022, 10, 1291.	1.2	2
3679	A second-order ADRC for Synchronized Frequency-Voltage Mitigation of EV Integrated Power System. IETE Journal of Research, 0, , 1-16.	1.8	4
3680	Adaptive Control for Narrow Bandwidth Input and Output Disturbance Rejection for a Non-Isothermal CSTR System. Mathematics, 2022, 10, 3224.	1.1	2
3681	Predictor-based phase-lead active disturbance rejection control design for industrial processes with input delay. Frontiers in Control Engineering, 0, 3, .	0.4	0
3682	DC Motor Drive Powered by Solar Photovoltaic Energy: An FPGA-Based Active Disturbance Rejection Control Approach. Energies, 2022, 15, 6595.	1.6	8
3683	Combined feedforward and error-based active disturbance rejection control for diesel particulate filter thermal regeneration. ISA Transactions, 2023, 134, 28-41.	3.1	5
3684	Data-driven prescribed performance control for satellite with large rotational component. Advances in Space Research, 2023, 71, 744-755.	1.2	5
3685	Design of Active Disturbance Rejection Controller Variants for Solar Tracker System. IETE Journal of Research, 0, , 1-14.	1.8	3
3686	Nonsingular terminal sliding mode controller based on extended state observer for two-mode vibration of a piezoelectric plate: design, analysis and experiments. International Journal of Structural Stability and Dynamics, 0, , .	1.5	1
3687	Application of Deep Reinforcement Learning in Reconfiguration Control of Aircraft Anti-Skid Braking System. Aerospace, 2022, 9, 555.	1.1	1
3688	Active disturbance rejection control for optoelectronic stabilized platform based on model-assisted double extended state observers. Assembly Automation, 2022, 42, 694-703.	1.0	1
3689	Stabilization of a uniform rotating disk-beam-mass system with boundary input disturbance. Arabian Journal of Mathematics, 0, , .	0.4	0
3690	Robust adaptive precision motion control of tank horizontal stabilizer based on unknown actuator backlash compensation. Defence Technology, 2023, 20, 72-83.	2.1	3

#	ARTICLE	IF	CITATIONS
3691	A design of active disturbance rejection control with higher convergence rate and its application in inertia wheel pendulum stabilization. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	0.8	1
3692	Adaptive Control of Flapping-Wing Micro Aerial Vehicle with Coupled Dynamics and Unknown Model Parameters. Applied Sciences (Switzerland), 2022, 12, 9104.	1.3	4
3693	Cascade ADRC with neural network-based ESO for hypersonic vehicle. Journal of the Franklin Institute, 2023, 360, 9115-9138.	1.9	5
3694	Transition Flight Control of A Small Unmanned Tilt Rotor Aircraft with Distributed Electric Propulsion. Lecture Notes in Electrical Engineering, 2023, , 395-409.	0.3	0
3695	Negative Effect Compensation of Disturbance for High-Precision Voice Coil Fast Steering Mirror. Mathematical Problems in Engineering, 2022, 2022, 1-13.	0.6	1
3696	Reduced-Order Active Disturbance Rejection Control Scheme for a Quadrotor and Its Autotuning Method. , 2022, , .		0
3697	Automatic Generation Control of Multi-Area Power System. Green Energy and Technology, 2023, , 245-260.	0.4	0
3698	A Backstepping Controller Based on a Model-Assisted Extended State Observer for a Slice Rotor Supported by Active Magnetic Bearings. Actuators, 2022, 11, 266.	1.2	0
3699	Multilayer neuroadaptive force control of electro-hydraulic load simulators with uncertainty rejection. Applied Soft Computing Journal, 2022, 130, 109672.	4.1	15
3701	Design of the UAV Trajectory Tracking System Based on the Adaptive Neural Network - ADRC Method. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	0
3702	Adaptive Steering Angle Controller for Autonomous Vehicles in the Presence of Parameter Uncertainty and Disturbances. International Journal of Automotive Technology, 2022, 23, 1313-1321.	0.7	1
3703	Fully distributed prescribed performance formation control for UAVs with unknown maneuver of leader. Aerospace Science and Technology, 2022, 130, 107886.	2.5	10
3704	Trajectory tracking control for autonomous underwater vehicle with disturbances and input saturation based on contraction theory. Ocean Engineering, 2022, 266, 112731.	1.9	4
3705	Auto Disturbance Rejection Control of Railway Pantographs for Improving Pantograph-Catenary Contact. Lecture Notes in Electrical Engineering, 2022, , 485-497.	0.3	0
3706	Active Disturbance Rejection Control to Consensus of Second-Order Stochastic Multiagent Systems. IEEE Transactions on Control of Network Systems, 2023, 10, 993-1004.	2.4	3
3707	Fast Dynamic Response Based on Active Disturbance Rejection Control of Dual Active Bridge DC-DC Converter. Communications in Computer and Information Science, 2022, , 142-153.	0.4	0
3708	Real-Time Virtual Sensing for Dynamic Vibration of Flexible Structure via Fiber Bragg Grating Sensors. IEEE Sensors Journal, 2022, 22, 21706-21718.	2.4	3
3709	Active Disturbance Rejection Control Design for the Power on Ultrasonic Transducer. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3710	Cross Coupling Active Disturbance Rejection Control of Pneumatic Parallel Manipulator. , 2022, , .		0
3711	RNN learning controller trained by ADRC. , 2022, , .		2
3712	Modified active disturbance rejection control for tank active suspension system. , 2022, , .		0
3713	Active Disturbance Rejection Decoupling Control of Grid-Connected PWM Converter. , 2022, , .		1
3714	Reinforcement-Learning-Based Active Disturbance Rejection Control of Piezoelectric Actuators. , 2022, , .		0
3715	Path Following Controller for Snake Robots Based on Data-driven MPC and Extended State Observer. , 2022, , .		0
3716	Event-Driven Generalized Active Disturbance Rejection Control for Discrete- Time Systems. , 2022, , .		0
3717	Research on UAV Precision Landing Technology Based on ADRC. , 2022, , .		1
3718	Coupled Attitude And Orbit Control For Spacecraft Based On Fast Nonsingular Terminal Sliding Mode Without Dual Velocity Information. , 2022, , .		0
3719	Extended-State-Observer Based Second Order Sliding Mode Control for Electro-Hydraulic System with Desired Compensation. , 2022, , .		0
3720	An Interpretation of Internal Disturbance. , 2022, , .		0
3721	A novel sliding mode control for robotic manipulator based on finite-time disturbance observer. , 2022, , .		1
3722	Active Disturbance Rejection Controller via Dynamic Weighted Mutant Pigeon-Inspired Optimization for UAV Close Formation Flight. , 2022, , .		0
3723	Extended Sliding Mode Disturbance Observer-Based Error-Driven adaptive robust feedback Control of Uncertain Nonlinear Systems: theory and application. , 2022, , .		0
3724	Characteristics of Grey Active Disturbance Rejection Control Based System Information. , 2022, , .		0
3725	Two Parallel Extended State Observers based Switching ADRC Design for a Class of Motion Control Systems. , 2022, , .		0
3726	High Order Extended State Observer based Control for Fuel Cell connected Interleaved Boost Converter. , 2022, , .		0
3727	Dual-arm Object Transportation via Model Predictive Control and External Disturbance Estimation. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
3728	ADRC for Upper Limb Exoskeleton: A Simulation Study. , 2022, , .		0
3729	An Improved Dynamic Surface Sliding Mode Method for Autonomous Cooperative Formation Control of Underactuated USVS with Complex Marine Environment Disturbances. Polish Maritime Research, 2022, 29, 47-60.	0.6	6
3730	Coordinated traction control of intelligent four-wheel-drive vehicles under complex start up situation. , 2022, , .		0
3731	Comparative Analysis of PI and ADRC Control through CHIL Real Time Simulations of a DC-DC DAB into a Multi-Terminal MVDC/LVDC Distribution Network. Energies, 2022, 15, 7631.	1.6	6
3732	A Variable Parameter Linear Tracking Differentiator and Its Application in Large Ground-based Telescopes. Research in Astronomy and Astrophysics, 2022, 22, 125013.	0.7	1
3733	Active Disturbance Rejection Control for Speed Control of PMSM Based on Auxiliary Model and Supervisory RBF. Applied Sciences (Switzerland), 2022, 12, 10880.	1.3	4
3734	Extended state observer design with fractional order Bode's ideal cut-off filter in a linear motor motion control system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182211320.	0.7	1
3735	Design of measurement and control system for high power microwave solid state source. , 2022, , .		0
3736	Optimization of sideband electromagnetic vibration and comprehensive control performance of PMSMs based on improved vector control. Journal of Power Electronics, 2023, 23, 252-263.	0.9	1
3737	Finite-Time Stability of a Second-Order Bang-Bang Sliding Control Type. Mathematics, 2022, 10, 3937.	1.1	0
3738	Formation control of nonholonomic mobile robots with inaccurate global positions and velocities. International Journal of Robust and Nonlinear Control, 2022, 32, 9776-9790.	2.1	2
3739	A Super-Twisting Extended State Observer for Nonlinear Systems. Mathematics, 2022, 10, 3584.	1.1	1
3740	Improved off-policy reinforcement learning algorithm for robust control of unmodeled nonlinear system with asymmetric state constraints. International Journal of Robust and Nonlinear Control, 2023, 33, 1607-1632.	2.1	1
3741	Analysis and Verification of Compound SRFPI-LADRC Strategy for an Off-Grid Single-Phase Inverter. International Transactions on Electrical Energy Systems, 2022, 2022, 1-14.	1.2	2
3742	Practical fixed-time observer-based generalized cascade predictor design for synchronization of integrator systems with delays and complex unknowns. ISA Transactions, 2022, , .	3.1	0
3743	Backstepping- and Sliding Mode-Based Automatic Carrier Landing System with Deck Motion Estimation and Compensation. Aerospace, 2022, 9, 644.	1.1	3
3744	Adaptive Sliding Mode Control for Motor Cyber Physical System. , 2022, , .		0
3745	âŸ©äºŸž†æŸ—æ‰°çš„ä‰°è†³” ±âº   æŽ’äš•çŸ•é†éžè CEâ™™çš„æŽšâ^qâ^tâ€…æ—1æ³•äž•ç†èºŸ. Scientia Sinica Informationis 2022, ,		

#	ARTICLE	IF	CITATIONS
3746	Deep reinforcement learning based active disturbance rejection load frequency control of multi-area interconnected power systems with renewable energy. <i>Journal of the Franklin Institute</i> , 2023, 360, 13908-13931.	1.9	6
3747	Active Disturbance Rejection Strategy for Distance and Formation Angle Decentralized Control in Differential-Drive Mobile Robots. <i>Mathematics</i> , 2022, 10, 3865.	1.1	5
3748	Adaptive prescribed performance control for nonlinear robotic systems. <i>Journal of the Franklin Institute</i> , 2023, 360, 1378-1394.	1.9	4
3749	An improved nonlinear extended state observer with adaptive variable gain. <i>Asian Journal of Control</i> , 2023, 25, 2388-2397.	1.9	2
3750	Adaptive coupled attitude-servo control for moving mass flight vehicles with high-mass-ratio. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2023, 237, 1614-1628.	0.7	1
3751	Design of Drug Dosage Regimen (DDR) for Immune Thrombocytopenic Purpura (ITP) Patients Using Control Theory Concepts. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2022, , 293-319.	0.3	0
3752	A robust integrated control design for weight-on-bit fluctuation suppression in drilling process subject to fractured formations. <i>ISA Transactions</i> , 2023, 136, 223-234.	3.1	0
3753	Novel COVID-19 Based Optimization Algorithm (C-19BOA) for Performance Improvement of Power Systems. <i>Sustainability</i> , 2022, 14, 14287.	1.6	4
3754	Speed Control of Magnetic Drive-Trains with Pole-Slipping Amelioration. <i>Energies</i> , 2022, 15, 8148.	1.6	1
3755	An active disturbance rejection synchronous control strategy based on cross compensation for stepper motor XY platform. <i>Measurement and Control</i> , 0, , 002029402211076.	0.9	1
3756	Double-loop tracking control for a wheeled mobile robot with unmodeled dynamics along right angle roads. <i>ISA Transactions</i> , 2023, 136, 525-534.	3.1	5
3757	Sensorless Speed Control of PMLSM via Adaptive Interconnected State Observer. <i>International Journal of Control, Automation and Systems</i> , 2022, 20, 3822-3831.	1.6	0
3758	An event-triggered active disturbance rejection approach to dual-hormonal artificial pancreas control. <i>Control Engineering Practice</i> , 2022, 129, 105338.	3.2	2
3759	Application of multi-agent EADRC in flexible operation of combined heat and power plant considering carbon emission and economy. <i>Energy</i> , 2023, 263, 125711.	4.5	2
3760	An Intelligence Attitude Controller Based on Active Disturbance Rejection Control Technology for an Unmanned Helicopter. <i>IEEE Transactions on Vehicular Technology</i> , 2023, 72, 2936-2946.	3.9	4
3761	Finite-Time Output Control for Uncertain Robotic Manipulators With Time-Varying Output Constraints. <i>IEEE Access</i> , 2022, 10, 119119-119131.	2.6	2
3762	Two-Degree-of-Freedom Active Disturbance Rejection Current Control for Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Power Electronics</i> , 2023, 38, 3640-3652.	5.4	7
3763	Distributed Adaptive Inverse Differential Game Approach to Leader's Behavior Learning for Multiple Autonomous Followers. <i>IEEE Transactions on Artificial Intelligence</i> , 2023, 4, 1666-1678.	3.4	0

#	ARTICLE	IF	CITATIONS
3764	State-Space PID: A Missing Link Between Classical and Modern Control. IEEE Access, 2022, 10, 116540-116553.	2.6	1
3765	Disturbance Observer-Based Safe Tracking Control for Unmanned Helicopters with Partial State Constraints and Disturbances. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 2056-2069.	8.5	3
3766	Active Disturbance Rejection Formation Tracking Control for Uncertain Nonlinear Multi-Agent Systems With Switching Topology via Dynamic Event-Triggered Extended State Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2023, 70, 518-529.	3.5	2
3767	Torque Ripple Minimization of Low-Speed Gimbal Servo System Using Parameter-Optimized ESO. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 2094-2103.	3.7	3
3768	A Bio-Inspired Safety Control System for UAVs in Confined Environment With Disturbance. IEEE Transactions on Cybernetics, 2024, 54, 1308-1320.	6.2	2
3769	A Joint Acceleration Estimation Method Based on a High-Order Disturbance Observer. IEEE Robotics and Automation Letters, 2022, 7, 12615-12622.	3.3	3
3770	Linear Active Disturbance Rejection Control for a High-precision Linear Motor X-Y Stage. , 2022, , .		0
3771	Improved Sliding Mode Current Control Based on Extended-State-Observer for PMSM. , 2022, , .		0
3772	Adaptive Extended State Observer Based Direct Voltage Sliding Mode Control of Stand-Alone DFIG-DC System. , 2022, , .		0
3773	ADRC Control of Electromagnetic Vibration in In-wheel Motor Considering Air Gap Eccentricity. , 2022, , .		0
3774	Nonlinear cascade sliding mode control based on extended state observer method for a DC-DC buck converter: Design and hardware experimentation. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182211334.	0.7	0
3775	Finite-time robust performance improvement for non-linear systems in the presence of input non-linearity and external disturbance. IET Control Theory and Applications, 2023, 17, 672-682.	1.2	2
3776	Optimal disturbance predictive and rejection control of a parabolic trough solar field. International Journal of Robust and Nonlinear Control, 0, , .	2.1	2
3777	Trajectory Tracking of UAVs Using Sigmoid Tracking Differentiator and Variable Gain Finite-Time Extended State Observer. Drones, 2022, 6, 350.	2.7	0
3778	Rotating mirror servo system control based on modified sliding mode-active disturbance rejection controller. Systems Science and Control Engineering, 2022, 10, 922-935.	1.8	1
3779	Research on a Visual Servoing Control Method Based on Perspective Transformation under Spatial Constraint. Machines, 2022, 10, 1090.	1.2	5
3780	A Fuzzy Backstepping Attitude Control Based on an Extended State Observer for a Tilt-Rotor UAV. Aerospace, 2022, 9, 724.	1.1	1
3781	Learning for Depth Control of a Robotic Penguin: A Data-Driven Model Predictive Control Approach. IEEE Transactions on Industrial Electronics, 2023, 70, 11422-11432.	5.2	4



#	ARTICLE	IF	CITATIONS
3782	Physics-Informed Disturbance Estimation and Nonlinear Controller Design for a Multi-Axis Gimbal System. IFAC-PapersOnLine, 2022, 55, 530-535.	0.5	0
3783	Minimum-time Transient Response Guaranteed Control of Servo Motor Systems with Modeling Uncertainties and High-order Constraint. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, , 1-1.	2.2	0
3784	Quantized Consensus Under Data-Rate Constraints and DoS Attacks: A Zooming-In and Holding Approach. IEEE Transactions on Automatic Control, 2023, 68, 5397-5412.	3.6	4
3785	Mirror milling trajectory planning for large thin-walled parts based on Fuzzy-ADRC controlled force pre-supporting. Journal of Manufacturing Processes, 2023, 85, 192-204.	2.8	13
3786	Prescribed-time stabilization of uncertain heat equation via boundary time-varying feedback and disturbance estimator. Systems and Control Letters, 2023, 171, 105419.	1.3	2
3787	Fault-tolerant tracking control for nonlinear observer-extended high-order fully-actuated systems. Journal of the Franklin Institute, 2023, 360, 136-153.	1.9	10
3788	An Improved Koopman-MPC Framework for Data-Driven Modeling and Control of Soft Actuators. IEEE Robotics and Automation Letters, 2023, 8, 616-623.	3.3	3
3789	A Review of quadrotor UAV: Control and SLAM methodologies ranging from conventional to innovative approaches. Robotics and Autonomous Systems, 2023, 161, 104342.	3.0	14
3790	Extended state observer based current-constrained controller for a PMSM system in presence of disturbances: Design, analysis and experiments. Control Engineering Practice, 2023, 132, 105412.	3.2	13
3791	Model Predictive Current Control for IPMSM Drives With Extended-State-Observer-Based Sliding Mode Speed Controller. IEEE Transactions on Energy Conversion, 2023, 38, 1471-1480.	3.7	4
3792	Multiscenarios Parameter Optimization Method for Active Disturbance Rejection Control of PMSM Based on Deep Reinforcement Learning. IEEE Transactions on Industrial Electronics, 2023, 70, 10957-10968.	5.2	5
3793	State Observers and Run-Out Reduction for Magnetically Levitated Motor Systems. IEEE Transactions on Industry Applications, 2023, 59, 1812-1823.	3.3	4
3794	Flexible Performance-Based Control for Nonlinear Systems Under Strong External Disturbances. IEEE Transactions on Cybernetics, 2024, 54, 762-775.	6.2	6
3795	Learning-Based Compound Docking Control for UAV Aerial Recovery: Methodology and Implementation. IEEE/ASME Transactions on Mechatronics, 2022, , 1-12.	3.7	1
3796	Disturbance and Uncertainty Attenuation for Speed Regulation of PMSM Servo System Using Adaptive Optimal Control Strategy. IEEE Transactions on Transportation Electrification, 2023, 9, 3410-3420.	5.3	11
3797	Transient Response Characteristics Improvement of Permanent Magnet Synchronous Motor Based on Enhanced Linear Active Disturbance Rejection Sensorless Control. IEEE Transactions on Power Electronics, 2023, 38, 4378-4390.	5.4	11
3798	ADRC control of an induction motor with varying parameters. , 2022, , .		0
3799	A Cross-coupling Fuzzy Auto Disturbance Rejection Strategy-Based Compliance Controller for Leg of Hydraulic Bipedal Robot. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3800	Robust Tracking Control with Adaptive Augmentation for a Long-Stroke Vertical Nanopositioning System: Part I. , 2022, , .		0
3801	Adaptive Model-free Control with Supervising Switching Technique for Robotic Manipulator with Actuator Failure. , 2022, , .		0
3802	Attacks Detection and Security Control Against False Data Injection Attacks Based on Interval Type-2 Fuzzy System. , 2022, , .		0
3803	High-order NESO Based Enhanced ADRC for PMSM Drives Considering Uncertainty and Measurement Noise Suppression. , 2022, , .		0
3804	Transition attitude control of a tail-sitter UAV based on active disturbance rejection control architecture. , 2022, , .		0
3805	Position Tracking and Disturbance Rejection for Motion Control System Using Equivalent Input Disturbance Approach and Feedforward Control. , 2022, , .		0
3806	DC-Link Voltage Regulation of Grid-Connected Converters Using Linear Disturbance Observer. , 2022, , .		0
3807	Improved Fractional-Order Extended State Observer-Based Hypersonic Vehicle Active Disturbance Rejection Control. Mathematics, 2022, 10, 4414.	1.1	2
3808	Secure Control of Networked Inverted Pendulum Visual Servo Systems Based on Active Disturbance Rejection Control. Actuators, 2022, 11, 355.	1.2	2
3809	Maximum Power Point Tracking for direct drive Wind Turbines: An Active Disturbance Rejection Control approach. , 2022, , .		0
3810	The Sleepiness of International Students in Online Chinese Classroom: An Experimental Study Based on Hybrid Technology of Facial Feature Point Distribution Model. International Journal of Human-Computer Interaction, 0, , 1-10.	3.3	0
3811	Estimation of wheel-rail structural interactions from motion signals of high-speed train bogie. International Journal of Dynamics and Control, 0, , .	1.5	1
3812	Fault-Tolerant Control for Quadrotor Based on Fixed-Time ESO. Mathematics, 2022, 10, 4386.	1.1	1
3813	A triple-step controller with linear active disturbance rejection control for a lower limb rehabilitation robot. Frontiers in Neurobotics, 0, 16, .	1.6	1
3814	An Improved SRFPI-LADRC-based Voltage Control for Single-Phase Inverter. , 2022, , .		2
3815	Torque Ripple Suppression of Permanent Magnet Synchronous Motor Based on Improved Active Disturbance Rejection Controller. , 2022, , .		1
3816	Linear Servo Robust Tracking Control Based on Zero Phase Error Tracking-Feed-Forward and Extended State Observer. , 2022, , .		0
3817	Tele-aiming control design for reconnaissance robot using a strong tracking multi-model extended super-twisting observer. IET Control Theory and Applications, 0, , .	1.2	1

#	ARTICLE	IF	CITATIONS
3818	Energy-saving optimization on active disturbance rejection decoupling multivariable control. Nuclear Engineering and Technology, 2022, , .	1.1	0
3819	Model predictive and compensated ADRC for permanent magnet synchronous linear motors. ISA Transactions, 2023, 136, 605-621.	3.1	4
3820	On convergence of extended state observers for nonlinear systems with non-differentiable uncertainties. ISA Transactions, 2022, , .	3.1	0
3821	Attitude tracking control for quadrotor based on time-varying gain extended state observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182211356.	0.7	0
3822	Active Disturbance Rejection Control of Voice Coil Motor Active Suspension Based on Displacement Feedback. Actuators, 2022, 11, 351.	1.2	1
3823	Dynamic Position Estimation Improvement for Sensorless Control of PMSM With ADRC-DPLL Embedded in Current Controller. , 2022, , .		5
3824	Disturbance rejection control of multiple integrators system by bounded linear extended observer based output feedback. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0
3825	Asymptotic tracking with novel integral robust schemes for mismatched uncertain nonlinear systems. International Journal of Robust and Nonlinear Control, 2023, 33, 1988-2002.	2.1	43
3826	Reduced-order active disturbance rejection control method for PEMFC air intake system based on the estimation of oxygen excess ratio. IET Renewable Power Generation, 2023, 17, 951-963.	1.7	4
3827	Estimated Flatness-Based Active Disturbance Rejection Control for Load Frequency Control of Power Systems. Electric Power Components and Systems, 2022, 50, 1250-1262.	1.0	0
3828	Disturbance Suppression and Contour Following Accuracy Improvement: An Adaptive PI-Type Sliding Mode Nonlinear Extended State Observer Approach. International Journal of Precision Engineering and Manufacturing, 2023, 24, 353-370.	1.1	3
3829	Dynamic modeling and disturbance rejection compensation for hysteresis nonlinearity of high voltage piezoelectric stack actuators. Smart Materials and Structures, 2023, 32, 025007.	1.8	2
3830	Finite-Time Backstepping Control for Electro-Hydraulic Servo System via Extended State Observer with Perturbation Estimation Performance Improvement. Machines, 2022, 10, 1163.	1.2	0
3831	Structural Vibration Suppression Using a Reduced-Order Extended State Observer-Based Nonsingular Terminal Sliding Mode Controller with an Inertial Actuator. Machines, 2023, 11, 1.	1.2	0
3832	Output-based event-triggered tracking control for networked pneumatic muscle actuators system with packet disorders. Nonlinear Dynamics, 2023, 111, 6363-6378.	2.7	1
3833	An Improved Adaptive Dynamic Programming Algorithm Based on Fuzzy Extended State Observer for Dissolved Oxygen Concentration Control. Processes, 2022, 10, 2618.	1.3	1
3834	2D Magnetic Manipulation of a Micro-Robot in Glycerin Using Six Pairs of Magnetic Coils. Micromachines, 2022, 13, 2144.	1.4	1
3835	Nonlinear Extended Observer-Based ADRC for a Lower-Limb PAM-Based Exoskeleton. Actuators, 2022, 11, 369.	1.2	2

#	ARTICLE	IF	CITATIONS
3836	Incremental nonlinear dynamic inversion based path-following control for a hybrid quadcopter unmanned aerial vehicle. <i>International Journal of Robust and Nonlinear Control</i> , 2023, 33, 10304-10327.	2.1	1
3837	Based on Backpropagation Neural Network and Adaptive Linear Active Disturbance Rejection Control for Attitude of a Quadrotor Carrying a Load. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12698.	1.3	2
3838	Linear Active Disturbance Rejection Control-Based Diagonal Recurrent Neural Network for Radar Position Servo Systems with Dead Zone and Friction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12839.	1.3	2
3839	Modeling of Ship DC Power Grid and Research on Secondary Control Strategy. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 2037.	1.2	3
3840	Active disturbance rejection-based distributed containment control for stochastic nonlinear multiagent systems. <i>International Journal of Systems Science</i> , 0, , 1-14.	3.7	0
3841	Automatic Current-Constrained Double Loop ADRC for Electro-Hydrostatic Actuator Based on Singular Perturbation Theory. <i>Actuators</i> , 2022, 11, 381.	1.2	1
3842	Fault ride-through capability improvement in a DFIG-based wind turbine using modified ADRC. <i>Protection and Control of Modern Power Systems</i> , 2022, 7, .	4.3	4
3843	Fractional order active disturbance rejection control design for non-integer order plus time delay models. <i>Transactions of the Institute of Measurement and Control</i> , 0, , 014233122211406.	1.1	1
3844	Disturbance Suppression and System Design Based on Parallel-Equivalent-Input-Disturbance Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 3654-3665.	5.9	2
3845	Path following control for 4WID-EV based on extended state observer and sliding mode control considering yaw stability. <i>Advances in Mechanical Engineering</i> , 2023, 15, 168781322211482.	0.8	0
3846	Linear Active Disturbance Rejection Control for a Laser Powder Bed Fusion Additive Manufacturing Process. <i>Electronics (Switzerland)</i> , 2023, 12, 471.	1.8	0
3847	Reduced Order Based Active Disturbance Rejection Controller Design with Applications. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2023, 40, 727-744.	2.1	2
3848	Data-Driven Learning Extended State Observers for Nonlinear Systems: Design, Analysis and Hardware-in-Loop Simulations. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2023, 10, 290-293.	8.5	0
3849	Composite model predictive control for the boost converter and two-phase interleaved boost converter. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	3
3850	Anti-windup ADRC design for temperature control systems with output delay against asymmetric input constraint. <i>ISA Transactions</i> , 2023, , .	3.1	4
3851	Fractional Order Active Disturbance Rejection Control for Canned Motor Conical Active Magnetic Bearing-Supported Pumps. <i>Inventions</i> , 2023, 8, 15.	1.3	3
3852	ADP-Based Optimal Control for Systems With Mismatched Disturbances: A PMSM Application. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2023, 70, 2057-2061.	2.2	2
3853	Structural design and active disturbance rejection control of rigid-flexible coupling motion stage for nanopositioning. <i>Journal of the Franklin Institute</i> , 2023, 360, 2133-2158.	1.9	1

#	ARTICLE	IF	CITATIONS
3854	Trajectory tracking control of emergency supplies transport robots based on fuzzy MPC. Journal of Industrial and Management Optimization, 2023, 19, 7616-7639.	0.8	0
3855	Development of a Compact Magnetic Suspension Balance. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	2.4	0
3856	Prescribed Performance Dynamic Surface Control of Hydraulic-driven Barrel Servo System with Disturbance Compensation. International Journal of Control, Automation and Systems, 2023, 21, 208-220.	1.6	1
3857	Generalized Active Disturbance Rejection With Reduced-Order Vector Resonant Control for PMSM Current Disturbances Suppression. IEEE Transactions on Power Electronics, 2023, 38, 6407-6421.	5.4	7
3858	Current-Constrained Adaptive Robust Control for Uncertain PMSM Drive Systems: Theory and Experimentation. IEEE Transactions on Transportation Electrification, 2023, 9, 4158-4169.	5.3	4
3859	Inferential Composition Control of a Distillation Column Using Active Disturbance Rejection Control with Soft Sensors. Sensors, 2023, 23, 1019.	2.1	0
3860	Nonlinear Modeling and Improved Suppression of Zero-Sequence Circulating Current for Parallel Three-Level Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 3036-3049.	3.7	2
3861	Robust output feedback control for electro-hydraulic servo system with error constraint based on high-order sliding mode observer. Transactions of the Institute of Measurement and Control, 0, , 014233122211462.	1.1	1
3862	Generalized Proportional Integral Observer and Kalman-Filter-Based Composite Control for DC-DC Buck Converters. Actuators, 2023, 12, 20.	1.2	0
3863	Active Disturbance Rejection Control of an Interleaved High Gain DC-DC Boost Converter for Fuel Cell Applications. Energies, 2023, 16, 1019.	1.6	6
3864	Active disturbance rejection controller design for alleviation of gust-induced aeroelastic responses. Aerospace Science and Technology, 2023, 133, 108116.	2.5	3
3865	A Large-Scale Inflatable Robotic Arm Toward Inspecting Sensitive Environments: Design and Performance Evaluation. IEEE Transactions on Industrial Electronics, 2023, 70, 12486-12499.	5.2	5
3866	Cooperative trajectory tracking control of MUSVs with periodic relative threshold event-triggered mechanism and safe distance. Ocean Engineering, 2023, 269, 113541.	1.9	7
3867	Prototype development of multi-target tracking system for space multi-node laser communication network. Optik, 2023, 274, 170552.	1.4	4
3868	Design of active disturbance rejection control with noise observer for an optical reference unit. Control Engineering Practice, 2023, 132, 105427.	3.2	2
3869	Stability Enhancement and Energy Management of AC-DC Microgrid based on Active Disturbance Rejection Control. Electric Power Systems Research, 2023, 217, 109105.	2.1	11
3870	Active disturbance rejection decoupling control for nonlinear MIMO uncertain systems with application to path following of self-driving bus. Control Engineering Practice, 2023, 133, 105432.	3.2	9
3871	An EPCH Control Strategy for Complex Nonlinear Systems with Actuator Saturation and Disturbances. Information Sciences, 2023, 625, 639-655.	4.0	6

#	ARTICLE	IF	CITATIONS
3872	A novel implementation of an uncertain dead-zone-input-equipped extended state observer and sign estimator. <i>Information Sciences</i> , 2023, 626, 75-93.	4.0	3
3873	Active Disturbance Rejection Control of a Quadrotor: A Comparative Study. , 2022, , .		1
3874	An Active Disturbance Rejection Control Based on Modified Extended State Observer for PMSM Speed Control Considering Measurement Noise. , 2022, , .		0
3875	Linear active disturbance rejection control of heavy-haul train operation based on an interval type-2 fuzzy logic system model. <i>Transportation Safety and Environment</i> , 2022, 4, .	1.1	1
3876	Load regulation of the heat supply unit assisted by the energy storage in thermal networks via a reference model-based controller. , 2022, , .		1
3877	Comprehensive Review of Power Electronic Converters in Electric Vehicle Applications. <i>Forecasting</i> , 2023, 5, 22-80.	1.6	18
3878	Performance improvement of output-feedback tracking control in an augmented ADRC system with a fixed-bandwidth LESO. , 2022, , .		0
3879	Generalized Predictive based Active Disturbance Rejection Control for Asymmetric Six-Phase PMSM Speed Regulation System. , 2022, , .		1
3880	Deep-Reinforcement-Learning-Based Active Disturbance Rejection Control for Lateral Path Following of Parafoil System. <i>Sustainability</i> , 2023, 15, 435.	1.6	4
3881	Coordinated traction control of on-demand four-wheel-drive vehicles under complex start-up situation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2024, 238, 1144-1153.	1.1	0
3882	Robust visual servoing for mobile robots with the VFO-ADRC system. , 2022, , .		0
3883	Design of an Anti-Windup Equivalent-Input-Disturbance-Approach-Based Control System. , 2022, , .		0
3884	Distributed Platoon Control of Nonlinear Vehicles with Event-Triggered Extended State Observers: Closed-Loop Stability. , 2022, , .		0
3885	Disturbance Rejection for Cloud Control System Based on Equivalent-Input-Disturbance Approach. , 2022, , .		0
3886	Optimizing Adaptive Disturbance Rejection Control Models Using the Chimp Optimization Algorithm for Shipsâ€™ Hybrid Renewable Energy Systems. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-13.	1.1	57
3887	Composite Terminal Guidance Law for Supercavitating Torpedoes with Impact Angle Constraints. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-16.	0.6	5
3888	Improving the behaviour of a suboptimal control system. , 2018, 3, 351-362.		0
3889	High-gain adaptive boundary stabilization for an axially moving string subject to unbounded boundary disturbance. , 2021, 48, 112-126.		1

#	ARTICLE	IF	CITATIONS
3890	Hybrid Event-Triggered Adaptive Control for Nonlinear Systems with Dynamic Uncertainties and Unknown disturbances. , 2022, , .		0
3891	Adaptive Interval Type-2 Fuzzy Neural Network Sliding Mode Control of Nonlinear Systems Using Improved Extended State Observer. Mathematics, 2023, 11, 605.	1.1	3
3892	Finite-Time Sliding Mode Control Based on Unknown System Dynamics Estimator for Nonlinear Robotic Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 2535-2539.	2.2	0
3893	Active Disturbance Rejection Control for Piezoelectric Smart Structures: A Review. Machines, 2023, 11, 174.	1.2	16
3894	ADRC-Based Attitude Control Laws Design for Morphing Aircraft. Lecture Notes in Electrical Engineering, 2023, , 5137-5146.	0.3	0
3895	Research on Permanent Magnet Synchronous Motor Sensorless Control System Based on Integral Backstepping Controller and Enhanced Linear Extended State Observer. Applied Sciences (Switzerland), 2023, 13, 1680.	1.3	1
3896	A Novel Active Disturbance Rejection Control of PMSM Based on Deep Reinforcement Learning for More Electric Aircraft. IEEE Transactions on Energy Conversion, 2023, 38, 1461-1470.	3.7	3
3897	Extended State Observer-Based Adaptive Neural Networks Backstepping Control for Pneumatic Active Suspension with Prescribed Performance Constraint. Applied Sciences (Switzerland), 2023, 13, 1705.	1.3	3
3898	Output-Feedback Sliding Mode Control for Multi-missile Formation with Collision Avoidance. Lecture Notes in Electrical Engineering, 2023, , 4736-4744.	0.3	0
3899	Impact Time Consensus Cooperative Guidance Against the Maneuvering Target: Theory and Experiment. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 4590-4603.	2.6	14
3900	Event-triggered adaptive dynamic programming of nonlinear system with asymmetric input constraints and uncertain disturbances. Optimal Control Applications and Methods, 2023, 44, 2281-2297.	1.3	1
3901	Enhanced Linear ADRC Strategy for Sensorless Control of IPMSM Considering Cross-Coupling Factors. IEEE Transactions on Transportation Electrification, 2023, 9, 4437-4446.	5.3	1
3902	Glide Guided Bomb Longitudinal Controller Design Based on Active Disturbance Rejection Control. Lecture Notes in Electrical Engineering, 2023, , 6693-6701.	0.3	0
3903	Error-Based Active Disturbance Rejection Control for Wind Turbine Output Power Regulation. IEEE Transactions on Sustainable Energy, 2023, 14, 1692-1701.	5.9	2
3904	Disturbance Observer Based Fractional-Order Sliding Mode Control of Permanent Magnet Synchronous Motor. Lecture Notes in Electrical Engineering, 2023, , 6097-6106.	0.3	0
3905	On disturbance rejection proportional-integral-differential control with model-free adaptation. Control Theory and Technology, 0, , .	1.0	0
3906	Speed and Voltage Controllers Design for the Permanent Magnet Starter/Generator. IEEE Transactions on Industrial Electronics, 2023, 70, 8314-8323.	5.2	2
3907	Hierarchical Time-Series Assessment and Control for Transient Stability Enhancement in Islanded Microgrids. IEEE Transactions on Smart Grid, 2023, 14, 3362-3374.	6.2	2

#	ARTICLE	IF	CITATIONS
3908	Disturbance Rejection Control for Networked Control Systems Using Subpredictor-Based Extended State Observer. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 3629-3639.	5.9	5
3909	Predictive Extended State Observer-Based Active Disturbance Rejection Control for Systems with Time Delay. <i>Machines</i> , 2023, 11, 144.	1.2	3
3910	Three kinds of improved designs and comparative analysis based on active disturbance rejection controller. <i>Journal of Mechanical Science and Technology</i> , 2023, 37, 965-976.	0.7	1
3911	Research on Attitude Control of Unmanned Helicopter with Slung Load Combined Input Shaper and Linear Active Disturbance Rejection Control. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 5158-5168.	0.3	1
3912	An ADRC Attitude Control Algorithm of Quadrotor for Wind Interference. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 5617-5628.	0.3	0
3913	Barrier Lyapunov Function-Based Adaptive Output Feedback Prescribed Performance Controller for Hydraulic Systems With Uncertainties Compensation. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 12500-12510.	5.2	11
3914	Self-Feedback Neural Network Sliding Mode Control With Extended State Observer for Active Power Filter. <i>IEEE Internet of Things Journal</i> , 2023, 10, 11724-11738.	5.5	2
3915	Predictive generalised active disturbance rejection for load frequency control with communication delay. <i>Transactions of the Institute of Measurement and Control</i> , 0, , 014233122211494.	1.1	0
3916	An add-on damping enhancement with adjustable gain for lightly damped system. <i>Mechanical Systems and Signal Processing</i> , 2023, 191, 110179.	4.4	2
3917	Flexibility improvement of 1000MW ultra-supercritical unit under full operating conditions by error-based ADRC and fast pigeon-inspired optimizer. <i>Energy</i> , 2023, 270, 126852.	4.5	4
3918	Control system design of active disturbance rejection control inverse estimation algorithm for airborne radar stabilized platform based on forecast revision. , 2022, , .		0
3919	Research on the Taxiing Control Method of a Small Full-Wing UAV under the Sensor Constraints. , 2022, , .		0
3920	An Alternative Nonsmooth Adaptive Output Regulation Strategy for Nonlinear Systems with Mismatched Disturbances. , 2022, , .		0
3921	Practical and comparative analysis of PID tuning and ADRC variants with communication delay. , 2022, , .		0
3922	Adaptive Tuning Method of Parameters of Active Disturbance Rejection Controller for Nonlinear System. , 2022, , .		0
3923	Prescribed Performance Integral Sliding Control of Robot System with Event-Triggered Unknown System Dynamic Estimator. , 2022, , .		0
3924	A Nonlinear PI Controller for Speed Control of Electric Drives Using Radial-Basis Function Neural Network. , 2022, , .		2
3925	An Effective Encoderless Control for PMSM Drives: an Enhanced Active Flux Observation Technique. , 2022, , .		1



#	ARTICLE	IF	CITATIONS
3926	Performance-Driven Safe Bayesian Optimization for Intelligent Tuning of High-Order Cascade Systems. IEEE Transactions on Artificial Intelligence, 2024, 5, 801-813.	3.4	0
3927	Generalized Dynamic Predictive Control for Nonlinear Systems Subject to Mismatched Disturbances With Application to PMSM Drives. IEEE Transactions on Industrial Electronics, 2024, 71, 954-964.	5.2	4
3928	Learning-Observer-Based Adaptive Tracking Control of Multiagent Systems Using Compensation Mechanism. IEEE Transactions on Artificial Intelligence, 2024, 5, 358-369.	3.4	2
3929	Attitude Control of a Hypersonic Glide Vehicle Based on Reduced-Order Modeling and NESO-Assisted Backstepping Variable Structure Control. Drones, 2023, 7, 119.	2.7	1
3930	Output Feedback Robust Tracking Control for a Variable-Speed Pump-Controlled Hydraulic System Subject to Mismatched Uncertainties. Mathematics, 2023, 11, 1783.	1.1	3
3931	Extended-state-observer-based robust torsional vibration suppression for rolling mill main drive system with input saturation. Journal of Iron and Steel Research International, 0, , .	1.4	1
3932	Robust sampled-data PID controller design for regulation control of nonlinear systems with output delay. International Journal of Robust and Nonlinear Control, 0, , .	2.1	0
3933	Wind Preview-Based Model Predictive Control of Multi-Rotor UAVs Using LiDAR. Sensors, 2023, 23, 3711.	2.1	3
3934	Adaptive super-twisting fast nonsingular terminal sliding mode control with ESO for high-pressure electro-pneumatic servo valve. Control Engineering Practice, 2023, 134, 105483.	3.2	4
3935	Active disturbance rejection control to stabilization of coupled delayed time fractional-order reaction-advection-diffusion systems with boundary disturbances and spatially varying coefficients. Chaos, Solitons and Fractals, 2023, 170, 113316.	2.5	1
3936	Anti-disturbance attitude quantized control of flexible spacecraft via a triggering and quantization joint dynamic event-triggered mechanism. Aerospace Science and Technology, 2023, 136, 108191.	2.5	3
3937	Gas supply control and experimental validation for polymer electrolyte membrane fuel cells. Mechatronics, 2023, 91, 102958.	2.0	3
3938	Quadrotor Neural Network Adaptive Control: Design and Experimental Validation. IEEE Robotics and Automation Letters, 2023, 8, 2574-2581.	3.3	3
3939	Analysis and robust control of system with uncertainty and disturbance using equivalent-input-disturbance approach. Journal of the Franklin Institute, 2023, 360, 4675-4694.	1.9	0
3940	Active disturbance rejection controller for electronic gearbox. Control Engineering Practice, 2023, 135, 105485.	3.2	0
3941	Anti-disturbance control for a nonlinear flexible beam with velocity disturbance at the boundary. Automatica, 2023, 152, 110978.	3.0	2
3942	Active disturbance rejection control of pressurized water reactor. Annals of Nuclear Energy, 2023, 189, 109845.	0.9	2
3943	On the notions of normality, locality, and operational stability in ADRC. Control Theory and Technology, 2023, 21, 97-109.	1.0	3

#	ARTICLE	IF	CITATIONS
3944	A hybrid sliding mode control based on a nonlinear PID surface for nonlinear chemical processes. <i>Engineering Science and Technology, an International Journal</i> , 2023, 40, 101361.	2.0	2
3945	Modulated Model-Free Predictive Current Control for Voltage Source Inverters With Stagnation Elimination and Sampling Disturbance Suppression. <i>IEEE Transactions on Power Electronics</i> , 2023, 38, 6996-7008.	5.4	2
3946	An ADRC-based triple-loop control strategy of ship-mounted Stewart platform for six-DOF wave compensation. <i>Mechanism and Machine Theory</i> , 2023, 184, 105289.	2.7	10
3947	Artificial bee colony algorithm-based design of discrete-time stable unknown input estimator. <i>Information Sciences</i> , 2023, 634, 621-649.	4.0	1
3948	DDPG based LADRC trajectory tracking control for underactuated unmanned ship under environmental disturbances. <i>Ocean Engineering</i> , 2023, 271, 113667.	1.9	3
3949	Visual Feedback Disturbance Rejection Control for an Amphibious Bionic Stingray Under Actuator Saturation. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2023, 10, 566-568.	8.5	0
3950	Model-free super-twisting terminal sliding mode controller using sliding mode disturbance observer for n-DOF upper-limb rehabilitation exoskeleton with backlash hysteresis. <i>International Journal of Control</i> , 2024, 97, 756-772.	1.2	1
3951	Adaptive relative orbit control for spacecraft nonlinear rendezvous with thrust saturation by using second order anti-windup system. , 2022, , .		1
3952	A voltage tracking control design of the single-phase inverter based on Linear ADRC. , 2022, , .		0
3953	Velocity tracking for a longitudinal vehicle control system on variable slope ramps. , 2022, , .		0
3954	Event-trigger-based Fault-tolerant Control of Uncertain Non-affine Systems with Predefined Performance. <i>International Journal of Control, Automation and Systems</i> , 2023, 21, 519-535.	1.6	0
3955	Implementation of Active Disturbance Rejection Control based on Super-Twisting Algorithm on Delta Robot. , 2022, , .		1
3956	An Improved Adaptive Super-Twisting Momentum Observer to Estimate External Torque for a Robot Manipulator. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2023, 107, .	2.0	1
3957	Nonlinear robust adaptive precision motion control of motor servo systems with unknown actuator backlash compensation. <i>ISA Transactions</i> , 2023, 137, 349-357.	3.1	2
3958	Innovative modeling strategy of wind resistance for platoon vehicles based on real-time disturbance observation and parameter identification. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 0, , 095440702311532.	1.1	0
3959	Infinite-dimensional extended state observer based stabilization for an ODE-wave cascaded system with control matched disturbance. <i>Asian Journal of Control</i> , 2023, 25, 2315-2325.	1.9	1
3960	Hybrid energy storage bidirectional DC-DC converter based on Hermite interpolation and linear active disturbance rejection control. <i>Journal of Power Electronics</i> , 0, , .	0.9	0
3961	Research on Composite Guidance Law Based on Improved Dynamic Surface Control. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 4546-4556.	0.3	0

#	ARTICLE	IF	CITATIONS
3962	Decentralized Cooperative Control of Electromagnetic Formation Using Robust 6-DOF Cyclic Pursuit Approach. Lecture Notes in Electrical Engineering, 2023, , 2116-2128.	0.3	0
3963	Design of Attitude Controller for Hyper Velocity Projectile Based on Active Disturbance Rejection Control. Lecture Notes in Electrical Engineering, 2023, , 2709-2719.	0.3	0
3964	2-DOF Active Disturbance Rejection Controller Design for High Order System based on Expected Dynamics. , 2022, , .		0
3965	Accurate Attitude Control for an Asymmetrical Hexacopter Under Exogenous Disturbance. , 2022, , .		0
3966	ADRC Voltage Control Based on Asymmetric Duty Modulations Strategy for Dual Active Bridge. , 2022, , .		0
3967	Backstepping control modification for nonlinear systems based on compensation function observer and barrier Lyapunov function. , 2022, , .		0
3968	Exponential Tracking and Disturbance Rejection for Nonlinear Reaction Convection Diffusion Equations via Boundary Control. SIAM Journal on Control and Optimization, 2023, 61, 151-169.	1.1	0
3969	SRFPI-LADRC Based Control Strategy for Off-Grid Single-Phase Inverter: Design, Analysis, and Verification. Electronics (Switzerland), 2023, 12, 962.	1.8	0
3970	Adaptive generalized super twisting sliding mode control for PMSMs with filtered high-gain observer. ISA Transactions, 2023, 138, 639-649.	3.1	3
3971	High Precision Sinusoidal Position Tracking of a Voice-Coil Linear Servomotor Using Resonant Control. Electronics (Switzerland), 2023, 12, 977.	1.8	1
3972	Optimisation of Temperature Control Parameters Based on Plate Heat Exchanger. Journal of Nanoelectronics and Optoelectronics, 2022, 17, 1596-1604.	0.1	0
3973	Dynamic stabilization for a cascaded beam PDEâ€œODE system with boundary disturbance. Mathematical Methods in the Applied Sciences, 2023, 46, 10167-10185.	1.2	1
3974	A fast transient tracking differentiator for high-precision motion systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 0, , 095965182311543.	0.7	0
3975	Chattering-free terminal sliding-mode tracking control for uncertain nonlinear systems with disturbance compensation. JVC/Journal of Vibration and Control, 0, , 107754632311572.	1.5	3
3976	Finite-time trajectory tracking control for a two degrees of freedom pneumatic dexterous finger. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2023, 45, .	0.8	0
3977	Frequency Control in Power Systems via Reduced Order Model Based GADRC Approach with Communication Time Delay. , 2022, , .		0
3978	Heuristic approach for mitigation of time Delay cyber-attacks using NLADRC. , 2022, , .		0
3979	Observer-based Robust Control: Its Application to Permanent Magnet Synchronous Motors. IEEE Journal of Industry Applications, 2023, 12, 575-587.	0.9	1

#	ARTICLE	IF	CITATIONS
3980	A Disturbance Force Compensation Framework for a Magnetic Suspension Balance System. <i>Actuators</i> , 2023, 12, 98.	1.2	0
3981	Dual extended state observer-based prescribed performance control of output-constrained hydraulic-driven barrel pitching servo system. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 0, , 095965182311536.	0.7	0
3982	Wind turbine emulator control improvement using nonlinear PI controller for wind energy conversion system: Design and real-time implementation. <i>International Journal of Adaptive Control and Signal Processing</i> , 2023, 37, 1151-1165.	2.3	4
3983	Disturbance observer-based neural adaptive fault-tolerant control for flexible air-breathing hypersonic vehicles with multiple model uncertainties. <i>Transactions of the Institute of Measurement and Control</i> , 0, , 014233122311541.	1.1	0
3984	Fast luffing control of flexible boom of mobile elevated work platform with uncertain control input gain. <i>Advances in Mechanical Engineering</i> , 2023, 15, 168781322311558.	0.8	0
3985	Control of Electromagnetic Formation Flight of Two Satellites in Low Earth Orbits. <i>Aerospace</i> , 2023, 10, 229.	1.1	3
3986	Multi-circular formation control with reinforced transient profiles for nonholonomic vehicles: A path-following framework. <i>Defence Technology</i> , 2024, 31, 278-287.	2.1	4
3987	Modeling and Overvoltage Suppression Analysis of Grid-connected Converter with VSG Control Strategy Under Commutation Failure. , 2022, , .		0
3988	A New Composite Control Strategy of Space Laser Pointing Mechanism Based on Active Disturbance Rejection Controller. <i>IEEE Access</i> , 2023, 11, 21081-21091.	2.6	2
3989	Disturbance Rejection in MIMO Systems With Emotional-Learning-Based Controller: Application to Variable Rotor-Speed Helicopters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, , 1-12.	5.9	1
3990	Rotor-Flux Vector Based Observer of Interior Permanent Synchronous Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2024, 71, 1399-1409.	5.2	0
3991	A New Approach to Nonlinear State Observation for Affine Control Dynamical Systems. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 3300.	1.3	2
3992	Research on Attitude Active Disturbance Rejection Control for Miniature Unmanned Helicopter. , 2022, , .		0
3993	Identification of Linear Time-Invariant Systems: A Least Squares of Orthogonal Distances Approach. <i>Mathematics</i> , 2023, 11, 1238.	1.1	2
3994	Intelligent controller for unmanned surface vehicles by deep reinforcement learning. <i>Physics of Fluids</i> , 2023, 35, .	1.6	3
3995	Two-Axis Optoelectronic Stabilized Platform Based on Active Disturbance Rejection Controller with LuGre Friction Model. <i>Electronics (Switzerland)</i> , 2023, 12, 1261.	1.8	5
3996	Stabilization of a Coupled ODE-wave System with Disturbances. <i>International Journal of Control, Automation and Systems</i> , 2023, 21, 854-864.	1.6	0
3997	Tuning and implementation variants of discrete-time ADRC. <i>Control Theory and Technology</i> , 2023, 21, 72-88.	1.0	2

#	ARTICLE	IF	CITATIONS
3998	Speed control of a DFIG-based wind turbine using a new generation of ADRC. International Journal of Green Energy, 2023, 20, 1669-1698.	2.1	3
3999	Robustness Improvement for Motor System with Inconstant Inertia Using Active Disturbance Rejection Controller with an Extra Extended State. , 2022, , .		1
4000	Active Disturbance Rejection Control Design for Compound-Wing UAV with Rotor Disturbance. Lecture Notes in Electrical Engineering, 2023, , 1716-1723.	0.3	0
4001	Design and Control of a Novel Cable Driven Parallel Mechanism. , 2022, , .		0
4002	Adaptive robust attitude tracking control of multi-stage spacecraft with friction disturbance. , 2022, , .		0
4003	Robust Liquid Level Control of Quadruple Tank System: A Nonlinear Model-Free Approach. Actuators, 2023, 12, 119.	1.2	6
4004	Active Disturbance Rejection Control for a Coaxial Rotor Unmanned Aerial Vehicle. , 2022, , .		0
4005	Research of Adaptive Attitude Control Method Considering Disturbance Compensation and Fuzzy Parameter Adjustment. , 2022, , .		0
4006	On geometric interpretation of extended state observer: a preliminary study. Control Theory and Technology, 2023, 21, 89-96.	1.0	0
4007	ADRC in output and error form: connection, equivalence, performance. Control Theory and Technology, 2023, 21, 56-71.	1.0	2
4008	Improved active disturbance rejection control with the optimization algorithm for the leg joint control of a hydraulic quadruped robot. Measurement and Control, 2023, 56, 1359-1376.	0.9	2
4009	Event-triggered active disturbance rejection trajectory tracking control for a quadrotor unmanned aerial vehicle. Applied Mathematics and Computation, 2023, 449, 127967.	1.4	0
4010	First-Order Linear Active Disturbance Rejection Control for Turbofan Engines. Energies, 2023, 16, 2743.	1.6	0
4011	A New Nonlinear Dynamic Speed Controller for a Differential Drive Mobile Robot. Entropy, 2023, 25, 514.	1.1	4
4012	A practical study of active disturbance rejection control for rotary flexible joint robot manipulator. Soft Computing, 2023, 27, 4987-5001.	2.1	74
4013	Motion Control of Autonomous Underwater Helicopter Based on Linear Active Disturbance Rejection Control with Tracking Differentiator. Applied Sciences (Switzerland), 2023, 13, 3836.	1.3	7
4014	An Equivalent Linearized Discrete-Time Realization of Optimal Control Based Tracking Differentiator. IEEE Transactions on Industrial Electronics, 2024, 71, 1832-1841.	5.2	1
4015	Quantitative analysis on the phase margin of ADRC. Control Theory and Technology, 2023, 21, 4-15.	1.0	1

#	ARTICLE	IF	CITATIONS
4016	Optimization of Speed Tracking Performance of LADRC for PMSM. , 2022, , .		0
4017	A Robust Damping Control for Virtual Synchronous Generators Based on Energy Reshaping. IEEE Transactions on Energy Conversion, 2023, 38, 2146-2159.	3.7	21
4018	On a novel tracking differentiator design based on iterative learning in a moving window. Control Theory and Technology, 2023, 21, 46-55.	1.0	0
4019	Trajectory tracking control for quadrotor based on time-varying threshold event-triggered extended state observer. Transactions of the Institute of Measurement and Control, 0, , 014233122311571.	1.1	0
4020	Nonlinear disturbance observer based multiple model adaptive explicit model predictive control for nonlinear MIMO system. International Journal of Robust and Nonlinear Control, 2023, 33, 5934-5955.	2.1	1
4021	Robust control scheme based on an uncertainty and disturbance estimator for a quadrotor with motor failures. Journal of Field Robotics, 2023, 40, 1115-1129.	3.2	1
4022	Research on Dynamic Performance of Independent Metering Valves Controlling Concrete-Placing Booms Based on Fuzzy-LADRC Controller. Actuators, 2023, 12, 139.	1.2	4
4023	Parameter Tuning of Active Disturbance Rejection Control Based on Improved Snake Optimization Algorithm. , 2022, , .		1
4024	An Improved Linear Active Disturbance Rejection Control for Compensating Unbalanced Harmonic in Microgrid. , 2022, , .		0
4025	Modified Nonlinear Active Disturbance Rejection Control for PMSM Speed Regulation With Frequency Domain Analysis. IEEE Transactions on Power Electronics, 2023, 38, 8126-8134.	5.4	5
4026	FOLADRC For ship-borne Photoelectric Tracking Platform. , 2022, , .		0
4027	Design of Reduced Order LADRC via Model Order Reduction Technique for Load Frequency Control in A Single-Area Power System. , 2022, , .		0
4028	Command smoothing-proxy sliding mode control of hydraulic servo system considering structural flexibility. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622311649.	1.1	0
4029	Research on High Precision PMSM Servo System Based on Improved Active Disturbance Rejection Controller. Lecture Notes in Electrical Engineering, 2023, , 1271-1279.	0.3	1
4030	Extended dynamics observer for linear systems with disturbance. European Journal of Control, 2023, 71, 100806.	1.6	3
4031	Dual-Extended State Observer-Based Feedback Linearizing Control for a Nonlinear System with Mismatched Disturbances and Uncertainties. Energies, 2023, 16, 3142.	1.6	1
4032	Saturated adaptive feedback control of electrical optical gyro stabilized platform based on cascaded adaptive extended state observer with complex disturbances. IET Control Theory and Applications, 2023, 17, 1311-1330.	1.2	1
4033	A DC Bus Voltage Fluctuation Suppression Method Based on ICESO-ADRC for Wave Energy Conversion System. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
4034	Active Disturbance Rejection Control for Time Varying Disturbances: Comparative Study on a DC-DC Boost Converter. , 2023, , .		1
4035	Performance-based model-free adaptive finite-time control for shape memory alloy actuated swing platform. Smart Materials and Structures, 2023, 32, 055019.	1.8	0
4036	é††ç””çºžæ€šè†ªæš—æ%ºæš€æœçš,,é«ˆç²³/4âº æ,©âº æžšâˆ†ç³»ç»Ÿç”áˆ†. Hongwai Yu Jiguang Gongcheng/Infrared and Laser Engineering, 2023, 53(12), 20230117.		0
4037	Sensorless Speed Control of SPMSM Using Disturbance Rejection Predictive Functional Control. , 2023, , .		4
4038	Connecting theory and practice with ADRC. Control Theory and Technology, 2023, 21, 1-3.	1.0	0
4040	UAV Autonomous Aerial Partner Refueling Fuel Delivery Section Anti-Disturbance Control. , 2022, , .		0
4041	On convergence of nonlinear tracking differentiator based on finite-time stable system subject to stochastic noise. IFAC Journal of Systems and Control, 2023, 23, 100215.	1.1	0
4042	IPDT Model-Based Zieglerâ€“Nichols Tuning Generalized to Controllers with Higher-Order Derivatives. Sensors, 2023, 23, 3787.	2.1	5
4043	A Novel Approach for Wind Turbine Robust Speed Control Using Sliding Mode Control with Extended State Observer. , 2023, , .		0
4044	Thermodynamic process control of ocean thermal energy conversion. Renewable Energy, 2023, 210, 810-821.	4.3	4
4045	Enhanced LADRC for Permanent Magnet Synchronous Motor With Compensation Function Observer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 3424-3434.	3.7	4
4046	Variable Form LADRC-Based Robustness Improvement for Electrical Load Interface in Microgrid: A Disturbance Response Perspective. IEEE Transactions on Industrial Informatics, 2024, 20, 432-441.	7.2	1
4047	Horizontal Trajectory Tracking Control for Underactuated Autonomous Underwater Vehicles Based on Contraction Theory. Journal of Marine Science and Engineering, 2023, 11, 805.	1.2	2
4048	Switching Longitudinal and Lateral Semi-decoupled Active Disturbance Rejection Control for Unmanned Ground Vehicles. IEEE Transactions on Industrial Electronics, 2024, 71, 3034-3043.	5.2	0
4049	Enhanced Estimation of Clamping-Force for Automotive EMB Actuators Using a Switching Extended State Observer. IEEE Transactions on Industrial Electronics, 2024, 71, 2220-2230.	5.2	1
4050	The Research of the Fast DC Bus Control System Based on Non-isolated Bi-directional DC/DC Controller. , 2022, , .		0
4051	DDPG-based active disturbance rejection 3D path-following control for powered parafoil under wind disturbances. Nonlinear Dynamics, 2023, 111, 11205-11221.	2.7	5
4052	Understanding the Capability of PD Control for Uncertain Stochastic Systems. IEEE Transactions on Automatic Control, 2024, 69, 495-502.	3.6	1

#	ARTICLE	IF	CITATIONS
4053	The Design of the Robust Controller for Active Magnetic Bearings on Active Disturbance Rejection Technology. Springer Proceedings in Physics, 2023, , 1147-1158.	0.1	0
4054	ESO-Based Model-Free Adaptive Iterative Learning Energy-Efficient Control for Subway Train With Disturbances and Over-Speed Protection. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8136-8148.	4.7	1
4055	Predictive Control of a Heaving Compensation System Based on Machine Learning Prediction Algorithm. Journal of Marine Science and Engineering, 2023, 11, 821.	1.2	1
4056	Design of Nonlinear Active Disturbance Rejection Controller Based on the Adaptive Particle Swarm Optimization Algorithm for the Maglev Train Traction Control System. Journal of Sensors, 2023, 2023, 1-13.	0.6	0
4057	On tuning of ADRC with competing design indices: a quantitative study. Control Theory and Technology, 2023, 21, 16-33.	1.0	1
4058	Linear Active Disturbance Rejection Control of Buck-boost PFC based LED Driver Circuit. , 2023, , .		0
4059	Adaptive Active Disturbance Rejection Control for Path Tracking of Intelligent Vehicle. Mathematical Problems in Engineering, 2023, 2023, 1-17.	0.6	0
4060	Continuous Finite-Time Sliding Mode Control for an Uncertain Coaxial Octorotor UAV. , 2022, , .		0
4061	Distributed ADRC-Based Secondary Voltage Control of Droop-Controlled AC Microgrid. , 2023, , 141-171.		0
4062	A process-model-free method for model predictive control via a reference model-based proportional-integral-derivative controller with application to a thermal power plant. Frontiers in Control Engineering, 0, 4, .	0.4	3
4066	Active Disturbance Rejection Control of Unconventional Quadrotor based on Grey Wolf Optimization Algorithm. , 2023, , .		2
4070	Bandwidth Based Approach for Mitigation of Delay-Cyberattacks of Load Frequency Control Via LADRC. , 2022, , .		0
4076	Dynamic Modeling and Simulation Analysis of Four Rotor UAV. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 487-501.	0.2	0
4077	Research on Optimal Control Method of Four Rotor UAV Based on BP Neural Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 478-486.	0.2	0
4078	An Auto Disturbance Rejection Control Method for Four Rotor UAV Flight Operation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 466-477.	0.2	0
4092	Active Disturbance Rejection-Based Torque Control for a Load Simulator of Robotic Hardware-in-the-Loop Simulation. Lecture Notes in Mechanical Engineering, 2023, , 1855-1869.	0.3	0
4093	On Adaptive LOS Guidance Law Based Path Following of an AUV Using Model Predictive Control. Lecture Notes in Mechanical Engineering, 2023, , 2123-2135.	0.3	0
4098	A Cascade Finite-Time Nonlinear Extended State Observer for Active Disturbance Rejection Control. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 120-132.	0.2	0



#	ARTICLE	IF	CITATIONS
4102	Wide-Area Damping Controller Design with TCSC Using Active Disturbance Rejection Control. , 2023, , .		1
4108	Extended state observer with FOF-PID controller design: implementation on a cart-pendulum system. , 2023, , .		0
4110	Contour Tracking Control of Networked Motion Control System Using Improved Equivalent-Input-Disturbance Approach. , 2023, , .		0
4111	Research on Backstepping control of flexible joint manipulator with state constraint. , 2023, , .		0
4113	Model-Free Control for Tidal Current Turbine Generation Systems: A Comparative Study. , 2023, , .		0
4115	High Performance Adaptive Tracking Control of Saturated Uncertain Nonlinear Systems With Disturbance Rejection. , 2023, , .		0
4119	Autonomous Grasping Control of the Underwater Biomimetic Vehicle-Manipulator System. Unmanned System Technologies, 2023, , 151-173.	0.9	0
4121	Extended State Observer-Based Position Sensorless Control for Automotive Ultra-high-Speed PMSM. Lecture Notes in Electrical Engineering, 2023, , 787-799.	0.3	0
4129	Active Disturbance Rejection Control-Based Speed Control of Sensorless BLDC Motor. , 2022, , .		0
4130	Equivalent Input Disturbance-based Model Predictive Control of Shaking Table System. , 2023, , .		0
4132	Research on a Fuzzy Adaptive PID Control Method for Four Rotor UAV Control System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 455-465.	0.2	0
4134	CLF-Based Control for Aerial Manipulation Using Multirotor UAVs. , 2023, , .		0
4137	Fractional Order Extended State Observer Enhances the Performance of Controlled Tri-copter UAV Based on Active Disturbance Rejection Control. Studies in Computational Intelligence, 2023, , 439-487.	0.7	2
4140	Leader-Follower ADRC Strategy for Omnidirectional Mobile Robots without Time-Derivatives in the Tracking Controller. , 2023, , .		2
4144	UDE-PLC: Uncertainty and Disturbance Estimator with Phase-lead Compensation. , 2023, , .		0
4145	Active disturbance rejection control for a quadrotor: a high-gain observer-based sliding-mode technique. , 2023, , .		0
4154	ADRC Robustness for Boiler Turbine Unit at Equilibrium Operation Point. , 2023, , .		0
4156	Disturbance Observer-based Integral Sliding Mode Control of Barrel Pitching Electrohydraulic Servo System with Model Uncertainties. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4157	MPPT control of photovoltaic power generation system based on LESO estimation error compensation. , 2023, , .		0
4158	Control of the Boiler Turbine Unit Based on Active Disturbance Rejection Control. , 2023, , .		0
4163	Disturbance Rejection Based Adaptive Fast Terminal Sliding Mode Control for Ship Course Control. , 2023, , .		0
4164	Reinforcement-learning-aided adaptive control for autonomous driving with combined lateral and longitudinal dynamics. , 2023, , .		0
4165	Predictive Active Disturbance Rejection Attitude Control for 2-DOF Unmanned Helicopter with Three Typical Uncertainties. , 2023, , .		0
4166	High Precision Position Control of Magnetic Levitation Ball System Based on Generalized Disturbance Estimation. , 2023, , .		0
4167	Relation between generalized proportional integral observer and linear disturbance observer based control. , 2023, , .		0
4168	Frequent real-time optimization using dynamical disturbance observers. , 2023, , .		0
4169	Neural-Learning-Based Finite-Time Trajectory Tracking Control for Robotic Manipulator with Input Friction. , 2023, , .		0
4170	ADRC with built-in RLC control scheme for uncertain systems with periodic reference input. , 2023, , .		0
4173	Refined Disturbance Rejection for Permanent Magnet Synchronous Motors with Multi-Source Disturbances Using Equivalent Input Disturbance Approach. , 2023, , .		0
4174	Reinforcement Learning based Data-driven Optimal Control Strategy for Systems with Disturbance. , 2023, , .		0
4175	Formation Control Based on Active Compensation for Multi-Agent System under Communication Attack. , 2023, , .		0
4176	Event-Triggered Active Disturbance Rejection Control for Interconnected Power Systems Subject to Hybrid Cyber Attacks. , 2023, , .		0
4177	Active Disturbance Rejection Control for Precise Position Tracking of Shape Memory Alloy Actuators. , 2023, , .		0
4179	Repetitive Control of Solar Electric Vehicle Inverter Based on Mismatched Disturbance Observer. , 2023, , .		0
4180	An Improved Model Predictive Control Strategy for Virtual Synchronous Generator with Adaptive Parameters. , 2023, , .		0
4181	Multi-Disturbances Suppression for Permanent Magnet Synchronous Motor based on Active Disturbance Rejection Model Predictive Control. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
4182	Model-Free Predictive Current Control Based on Maximum Torque Per Ampere for PMSM. , 2023, , .		1
4183	Model-Free Predictive Control: A Method to Always Improve the Performance Robustness of Power Electronic Systems?. , 2023, , .		0
4184	An Extended State Observer-Based Model Predictive Current Control Strategy for IPMSM Drive System. , 2023, , .		0
4186	Research on Decoupling Control for Module Suspension System Based on Linear Active Disturbance Rejection Control. , 2023, , .		0
4188	Fuzzy PID with Active Disturbance Rejection Control for a Two-axis Gimbal. , 2023, , .		0
4192	Output Feedback Neuroadaptive Control of Electro-Hydraulic Actuators With Constraints. , 2023, , .		0
4202	Load Frequency Control of Single and Multi-area Power Systems Based on ADRC. Lecture Notes in Networks and Systems, 2023, , 209-221.	0.5	0
4208	Auto-heading Control of an Over-actuated Underwater Vehicle Based on Active Disturbance Rejection Control and Optimal Thrust Allocation. , 2023, , .		0
4209	Multilayer Neural Control of Aircrafts With Disturbance Compensation. , 2023, , .		0
4211	Generalized Linear Extended State Observer based Trajectory Tracking Control for Continuum Robots with Unmatched Uncertainties. , 2023, , .		0
4214	Control optimization strategy of DAB converter. , 2023, , .		0
4215	Adaptive neural network-based active disturbance rejection servo control of a phase change energy storage device. , 2023, , .		0
4221	Anti-Disturbance and Rough Trajectory Tracking Control of Quadrotor UAVs Based on Dual-Channel Control Mechanism. , 2023, , .		0
4222	Control System For Low-cost Autonomous Vehicle Backstepping Control and Extended State Observer. , 2023, , .		0
4228	Improving the Low-Speed Operation Performance of IPMSM Sensorless Vector Control with ADRC DC-Offset Compensation Loop. , 0, , .		0
4245	Power Optimization Control with Tracking Differentiator for Interior Permanent-Magnet Synchronous Motor. Lecture Notes in Electrical Engineering, 2023, , 479-490.	0.3	0
4247	Neural Network Learning of Robot Dynamic Uncertainties and Observer-based External Disturbance Estimation for Impedance Control <sup>*</sup> . , 2023, , .		0
4250	Control Strategy of Permanent Magnet Synchronous Motor and Brushed DC Servo Motor Based on ADRC. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4251	Optimized Parameter Tuning Method for ADR-based Phase-Locked Loop. , 2023, , .		0
4252	Disturbance Compensation Based Force and Position Control of Prosthesis Finger Actuated by Shape Memory Alloy. , 2023, , .		0
4254	Electric Servo Drive with Fractional-Order PI Speed Controller. , 2023, , .		0
4255	Adaptive Impedance Control in Dynamic Environment Based on Nonlinear Tracking Differentiator. , 2023, , .		0
4258	High-accuracy tracking control of hybrid ejection system. Science China Technological Sciences, 2023, 66, 2775-2785.	2.0	0
4266	Position Sensorless Fuzzy Active Disturbance Rejection Control of PMSM Based on Model Predictive Control. , 2023, , .		0
4271	Roll-motion stabilizer design for a sounding rocket using the ADRC methodology. , 2023, , .		0
4272	Observer-Based SMC for Dynamic Wireless Charging System of Electric Vehicles with Complex Disturbances. , 2023, , .		0
4273	Position tracking control of a robotic joint using error-based ADRC with full and reduced order ESO. , 2023, , .		1
4274	Position control of humanoid thorax based on fuzzy PID controller. , 2023, , .		0
4275	Robustness of Modified Control Barrier Functions subject to External Disturbances. , 2023, , .		0
4276	Design and control of robotic joint module driven by twisted and coiled actuators. , 2023, , .		0
4278	Application of Partial Swarm Optimization Algorithm On Nonlinear PI Controllers for Stable Operation of DFIC Based Wind Turbine. , 2023, , .		0
4279	Active Disturbance Rejection Control for an Over-Actuated Vehicle on SO(3). , 2023, , .		0
4280	Observer-Based Control of PEMFC Air Feed Systems Via High-Order Fully Actuated System Approaches. , 2023, , .		0
4281	Attitude Control of Underactuated Quadrotor UAV Based on Improved ADRC. , 2023, , .		0
4282	Reinforcement Learning-based Active Disturbance Rejection Control for Nonlinear Systems with Disturbance. , 2023, , .		0
4283	A Fully-actuated System Approach for Spacecraft Attitude Control with Input Saturation. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4284	Torque control of Quadcopter using Fractional Active Disturbance Rejection Control. , 2023, , .		0
4290	Active Disturbance Rejection Control for DC Motor with Measurement Delay Using the PDE-Backstepping Predictor. , 2023, , .		0
4291	Robust Speed Regulation of PMSM Under Disturbances and Noises Using Composite Model Predictive Control. , 2023, , .		0
4292	Output Tracking of an Anti-Stable Wave Equation Subject to Boundary Disturbance with Non-Collocated Feedback. , 2023, , .		0
4293	A Teaching Suggestion for Active Disturbance Rejection Control. , 2023, , .		0
4294	Adaptive Augmented Kalman Filter-Based Control for Electronic Throttle Systems with Disturbances and Noises. , 2023, , .		0
4295	A Modified Active Disturbance Rejection Control Strategy for DC Servo System with External Disturbance and Measurement Noise. , 2023, , .		0
4296	Adaptive Dynamic Programming Based Output-Feedback Optimal Control for Lever-Type Wave Energy Converter. , 2023, , .		0
4297	Path following control for powered parafoil system based on TD3-LADRC. , 2023, , .		0
4298	Finite-Time Speed Regulation for Converter-Driven DC Motors via Terminal Sliding Mode Control Approach. , 2023, , .		0
4299	ADRC Combined with IMC for Non-Minimum Phase Systems. , 2023, , .		0
4300	Multivariable Control of Three-Shaft Gas Turbine Based on ADRC. , 2023, , .		0
4301	Non-Smooth Speed Control of Switched Reluctance Motor Based on Generalized Proportional Integral Observer. , 2023, , .		0
4302	A Motion Cueing Algorithm for A 2-DOF Pneumatic Motion Simulation Platform. , 2023, , .		0
4303	RBFNN-Based ADRC Design for Continuous-Time Systems with Unknown Nonlinear Dynamics Subject to Time-Varying Disturbance. , 2023, , .		0
4304	Adaptive UDE-Based Distributed Consensus Control for Multiple Euler-Lagrangian Systems with Communication Delays. , 2023, , .		0
4309	Path Following Control of a Wire-driven Robotic Fish with Sideslip Amendment. , 2023, , .		0
4310	Fully Integrated Boost Circuit Design Based on LADRC Second-Order Scaling Digital Control. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4312	Exponential Visual Stabilization of Wheeled Mobile Robots Based on Active Disturbance Rejection Control. Lecture Notes in Electrical Engineering, 2023, , 821-829.	0.3	0
4313	Time-Varying Function-Based Anti-Disturbance Method for Permanent-Magnet Synchronous Motors. Lecture Notes in Electrical Engineering, 2023, , 708-719.	0.3	0
4315	Cooperative Control of SMC-Feedback Linearization and Error Port Hamiltonian System for PMSM. Lecture Notes in Electrical Engineering, 2023, , 392-401.	0.3	0
4316	Application of Improved Linear Active Disturbance Rejection Control in LLC Converters for Battery Formation. , 2023, , .		0
4317	Game Theoretic Wind Farm Control Based on Level-k Cognitive Modeling. , 2023, , .		0
4320	Research on Air-wake Rejection Based on Direct Lift Control and Nonlinear ADRC for Carrier Landing. , 2023, , .		0
4321	Sliding Mode-Based Active Disturbance Rejection Control of Doubly Salient PM Generator-Based Tidal Stream Turbine. , 2023, , .		1
4324	Active Disturbance Rejection Control Based on Fuzzy Hybrid Extended State Observer for Speed Loop of Permanent Magnet Synchronous Motor. , 2023, , .		0
4329	Disturbance Rejection Attitude Control of Quadrotor UAVs Based on Improved BAS Algorithm. , 2023, , .		0
4330	Sensorless Control of PMSM Based on Hybrid Extended State Observer. , 2023, , .		1
4331	Auto Disturbance Rejection Control Based on A Neural Network Predictive State Observer. , 2023, , .		0
4334	Disturbance Rejection Enhancement of Vector Controlled PMSM Using Second-order Nonlinear ADRC. , 2023, , .		0
4336	An improved Enhanced Linear ADRC Speed Control of the Permanent Magnet Linear Synchronous Motor. , 2023, , .		0
4343	Parameter Optimization of Tracked Vehicle Steering Control Strategy Based on Particle Swarm Optimization Algorithm. Lecture Notes in Electrical Engineering, 2023, , 479-493.	0.3	0
4344	Research on Intelligent Collaboration and Obstacle Avoidance Control of Multiple Parafoils System. Lecture Notes in Electrical Engineering, 2023, , 839-854.	0.3	0
4347	Equilibrium-Compensation-Based Sliding Mode Control for Accurate Steering Tracking of Single-Track Two-Wheeled Robot. Lecture Notes in Computer Science, 2023, , 188-201.	1.0	0
4348	Feedback Linearization with Improved ESO for Quadrotor Attitude Control. Lecture Notes in Computer Science, 2023, , 206-219.	1.0	0
4349	Nonlinear Disturbance Observer-Based Continuous Fixed-time Tracking Control for Uncertain Robotic Systems. Lecture Notes in Computer Science, 2023, , 401-412.	1.0	0

#	ARTICLE	IF	CITATIONS
4351	Comparative Analysis of Rotor Position and Speed Extraction Schemes for Resolver Software Decoding in IPMSM Drive Applications. , 2023, , .		0
4353	Study on Active Disturbance Rejection Control of Inlet Pressure Based on BPNN Parameter Tuning. , 2023, , .		0
4365	Parameters Optimization of ADRC Based on DBO Algorithm. , 2023, , .		0
4377	Neural Drone Racer Mentored by Classical Controllers. Lecture Notes in Computer Science, 2024, , 84-98.	1.0	0
4389	Fault-Tolerant Control for Large Launch Vehicle Based on Takagi-Sugeno Fuzzy Extended State Observer. , 2023, , .		0
4395	Adaptive Control of the Relative Position for Space Vehicles in the Rendezvous Missions. , 2023, , .		0
4404	ESO-Based Cyclic Iterative Learning Control for Continuous System with Varying Trials. , 2023, , .		0
4405	A Parallel Peak Filter with Time-Delay Compensation for Multi-Frequency Disturbance Rejections Beyond Control Bandwidth. , 2023, , .		0
4406	Fixed-Time Active Disturbance Rejection-Based Sliding Mode Control for NPC Converters. , 2023, , .		0
4407	Reinforcement Learning Based Path Tracking Control Method for Unmanned Bicycle on Complex Terrain. , 2023, , .		0
4409	Voltage-Stabilizing Generation Control Method Based on ADRC for Two-Stage Integrated Starter-Generator System. , 2023, , .		0
4410	Design of ADRC Based on Improved ESO for Enhanced Robustness of Bidirectional DC/DC Converters in DC Microgrid. , 2023, , .		0
4415	The Design of a Reference Model-Based Proportional-Integral-Derivative Controller with the Generalized Derivative. , 2023, , .		0
4427	Event-Triggered LADRCs for the Coaxial Tilt Rotor UAV. , 2023, , .		0
4428	Extended Sliding Mode Observer-Based Adaptive Nonlinear Feedback Control of Electrical-optical Gyro-stabilized Platform. , 2023, , .		0
4429	Stabilization Control of Auto-balancing Bicycle subject to disturbances. , 2023, , .		0
4433	Trajectory tracking of a single-link manipulator driven from a double-bridge Buck converter: A cascade ADRC approach.. , 2023, , .		0
4434	Two-stage Active Disturbance Rejection Control in aerospace applications: The case of an orbit transfer for a point mass satellite.. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4436	Active disturbance rejection control assisted by a cascade connection of repetitive and data-driven observers. , 2023, , .		0
4438	Error Based Active Disturbance Rejection Control assisted by online optimization for systems with backlash. , 2023, , .		0
4444	Design and Adaptive Control Method for STM Separating Nano Positioner. , 2023, , .		0
4445	On the border between automatic control and artificial intelligence. , 2023, , .		0
4451	MRAC-Based Nonlinear Disturbance Observer And Its Applications To UAV Control. , 2023, , .		0
4452	An anti-windup method based on the modified linear extended state observer for actuators in the miniaturized inertial stabilized platform. , 2023, , .		0
4453	Fractional Order Active Disturbance Rejection Controller for First Order Plus Time Delay Systems. , 2023, , .		0
4454	Attack detection and secure correction control for cyber-physical systems subject to actuator deception attacks. , 2023, , .		0
4455	Switching-Gain Active Disturbance Rejection Control for Air Starting Systems of ATF With Multi-Valve Linkage Strategy. , 2023, , .		0
4456	Research on decoupling control of EMS Maglev train suspension system. , 2023, , .		0
4457	Control strategy for the rotor position angle of permanent magnet synchronous motor based on error extended state observer. , 2023, , .		0
4460	Fully Proprioceptive Slip-Velocity-Aware State Estimation for Mobile Robots via Invariant Kalman Filtering and Disturbance Observer. , 2023, , .		1
4461	Permanent Magnet Synchronous Motor Control Based on Improved Active Disturbance Rejection Control with SMC and Fuzzy ESO. , 2023, , .		0
4462	Design of Current and Back Electromotive Force Observers for Ironless-stator Permanent Magnet Brushless DC Motor Dual-Stage Drive. , 2023, , .		0
4463	Beat Phenomenon Suppression Method Based on Quasi-Resonant Extended State Observer for PMSM Drives in Railway Traction Applications. , 2023, , .		0
4464	Full Closed Loop Algorithm of Position and Torque Double Loop Control Based on Linear Active Disturbance Rejection. , 2023, , .		0
4466	Linear Active Disturbance Rejection Controller for the 3-DOF Repulsive Magnetic Levitation System. , 2023, , .		0
4467	Performance Improvement of High Order ESO-Based Speed Controller for PMSM Drives Using Pole-Zero-Placement Design. , 2023, , .		0



#	ARTICLE	IF	CITATIONS
4468	Harmonic Current Suppression for PMSM Drives with Enhanced ADRC Based on Fractional-Order Vector Resonant Control. , 2023, , .		0
4469	Position Sensorless Control of Permanent Magnet Synchronous Motor Based on Reduced Order Quasi Resonant Extended State Observer. , 2023, , .		0
4470	Robust Attitude Control of Underwater Unmanned Vehicle with Estimation and Compensation of Matched Uncertainty. , 2023, , .		0
4475	Feedforward Compensation Enhanced Disturbance Rejection Control for a Spin-Stabilized Guided Projectile Subject to Actuator Rate Limit. Lecture Notes in Mechanical Engineering, 2024, , 673-684.	0.3	0
4476	Tracking Control of Combined Power Aerospace Vehicle in Climbing Phase. Lecture Notes in Mechanical Engineering, 2024, , 469-483.	0.3	0
4477	Feedforward Tracking Control of Main Steam Temperature with Disturbance Rejection. , 2023, , .		0
4485	Formation and Application of Dual Correction Linear Active Disturbance Rejection Control for Load-side Boost Converter in Microgrid. , 2023, , .		0
4486	Study on Full Bridge LLC Resonant Converter Based on LADRC in Marine DC Power Supply System. , 2023, , .		0
4487	A Unified Modelling Framework for Model-Free Predictive Control of Power Electronic Systems. , 2023, , .		0
4488	Improve LADRC Method for Disturbance Suppression: Application to Electrical-Load Interface in Microgrid. , 2023, , .		0
4490	Enhanced Linear Active Disturbance Rejection Control for Load-Side Boost Interface in Microgrid. , 2023, , .		0
4491	Robust Nonlinear Control for High Performance Induction Motor Drives Based on Adaptive Disturbance Compensation. , 2023, , .		0
4495	Active disturbance rejection control of systems with large uncertainties. , 2024, , 331-350.		0
4512	Desired dynamic equational proportional-integral-derivative controller design based on probabilistic robustness. , 2024, , 415-442.		0
4514	On the Intelligent Proportional Controller Applied to Linear Systems. , 2023, , .		0
4518	Gain scheduling design based on active disturbance rejection control for thermal power plant under full operating conditions. , 2024, , 351-384.		0
4520	An Improved Linear Active Disturbance Rejection Control for UPQR to Optimize Series Side THD. , 2023, , .		0
4521	Electro-Hydrostatic actuator active disturbance rejection control based on cascade expansion observers. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4523	ADRC Controller Design for Autonomous Vehicles Queuing Systems in Zero-Trust Environment. , 2023, , .		1
4526	An Improved Equivalent-Input-Disturbance Approach of Disturbances Rejection in Time-Varying State-Delay Systems. , 2023, , .		0
4527	ADRC Control of an Unmanned Under-Actuated Aerial Vehicle. Lecture Notes in Electrical Engineering, 2024, , 1-13.	0.3	0
4528	Adaptive Estimated Inverse Control for Uncertain Nonlinear Systems with Hysteresis Effect. , 2023, , .		0
4529	ADRC Control of Cascaded H-Bridge Multilevel DC/AC Converters. Lecture Notes in Electrical Engineering, 2024, , 532-544.	0.3	0
4532	High Angle of Attack Missile Control for Agile Turn Based on Reinforcement Learning. , 2024, , .		0
4535	Data-Driven Based Active Disturbance Rejection Control for Underwater Vehicle Manipulator System. , 2023, , .		0
4537	Unknown input observer-based robust adaptive funnel motion control for nonlinear servo mechanisms. , 2024, , 143-163.		0
4538	Magnetic Levitation System Control Based on Improved LADRC. Lecture Notes in Electrical Engineering, 2024, , 140-148.	0.3	0
4539	USDE-based sliding mode control for servo mechanisms with unknown system dynamics. , 2024, , 119-141.		0
4541	Extended-state-observer based funnel control for nonlinear servo mechanisms with prescribed tracking performance. , 2024, , 165-187.		0
4544	Research on Active Disturbance Rejection Control Technology of Two-wheel Self-balancing Robot. , 2023, , .		0
4550	Effect of Observer Gain Values on Active Disturbance Rejection Control: A Practical Study in Mechatronic Applications. , 2023, , .		0
4551	Finite-Time Resilient Output Regulation of High-Order Multi-Agent Systems with External Disturbances and Uncertain Nonlinearities. , 2023, , .		0
4553	A linear Active Disturbance Rejection Control based PSO to control Twin Rotor MIMO System with experimental validation. , 2023, , .		0
4556	Fractional-Order PID Controller: A Performance Evaluation for Time Delay Systems. , 2023, , .		0
4557	ACTIVE Disturbance Rejection Control of LCL Grid-Connected Inverter Based on Resonance Extended State Observer. , 2023, , .		0
4560	ADRC-based Event Triggering Control for Switched Nonlinear Systems with Actuator Faults. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4570	A Generic Anti-Windup Design Under Linear Active Disturbance Rejection Control Scheme. , 2023, , .		0
4574	Chopping Compensation Control and Low Frequency Pulse Suppression Strategy of DC Side Current in Lithium Battery Energy Storage System. Lecture Notes in Electrical Engineering, 2024, , 528-538.	0.3	0
4576	Position and Speed Measurement Method for Segmented Long Primary Double-Sided Linear Motor Based on Polynomial Fitting. Lecture Notes in Electrical Engineering, 2024, , 276-284.	0.3	0