

# Jun Yang

## List of Publications by Year in descending order

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249  
papers

11,207  
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65103

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32667

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254  
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254  
docs citations

254  
times ranked

7529  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	6
2	A Distributionally Robust Optimization Approach to Two-Sided Chance-Constrained Stochastic Model Predictive Control With Unknown Noise Distribution. IEEE Transactions on Automatic Control, 2024, 69, 574-581.	6.0	2
3	Model-Free Output Feedback Path Following Control for Autonomous Vehicle With Prescribed Performance Independent of Initial Conditions. IEEE/ASME Transactions on Mechatronics, 2024, 29, 1076-1087.	6.1	3
4	Real-Time Dynamic Obstacle Avoidance for Robot Manipulators Based on Cascaded Nonlinear MPC With Artificial Potential Field. IEEE Transactions on Industrial Electronics, 2024, 71, 7424-7434.	8.2	2
5	Spatial-Temporal Feature Extraction and Evaluation Network for Citywide Traffic Condition Prediction. IEEE Transactions on Intelligent Vehicles, 2024, , 1-16.	14.7	0
6	Multi-Frequency-Band Uncertainties Rejection Control of Flexible Gimbal Servo Systems via a Comprehensive Disturbance Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2024, 71, 794-804.	5.8	2
7	Mismatched disturbance compensation enhanced robust $H^\infty$ control for systems with nonvanishing uncertainties/disturbances. International Journal of Robust and Nonlinear Control, 2024, 34, 1845-1863.	3.8	0
8	Composite Generalized Dynamic Predictive Control With Self-Tuning Horizon for Wide-Range Speed Regulation of PMSM Drives. IEEE Transactions on Energy Conversion, 2024, 39, 659-674.	5.5	0
9	A Learning-and-Tube-Based Robust Model Predictive Control Strategy for Plug-In Hybrid Electric Vehicle. IEEE Transactions on Intelligent Vehicles, 2024, 9, 579-592.	14.7	2
10	Position Precision Control of Magnetic Levitation Systems Based on Generalized Multiple Disturbances Estimation and Compensation. IEEE Transactions on Automation Science and Engineering, 2024, , 1-12.	5.7	0
11	Robust Command Filtered Backstepping Control for FJR Using Reduced-Order GPI Observers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, 71, 2174-2178.	3.2	1
12	Semi-global robust stabilisation of disturbed nonlinear systems with state-dependent uncertainties: a DOBC approach. International Journal of Systems Science, 2024, 55, 440-452.	5.6	0
13	Dynamic Event-Triggered Disturbance Rejection Control for Speed Regulation of Networked PMSM. IEEE Transactions on Industrial Informatics, 2024, 20, 6436-6445.	12.1	0
14	Cooperative Active Learning-Based Dual Control for Exploration and Exploitation in Autonomous Search. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-13.	12.6	0
15	Safety-Critical Control With Control Barrier Function Based on Disturbance Observer. IEEE Transactions on Automatic Control, 2024, 69, 4750-4756.	6.0	1
16	Limited Information Based Emergency Response Control for Underwater Vehicle Systems With Disturbances and DoS Attacks. IEEE Transactions on Automation Science and Engineering, 2024, , 1-12.	5.7	1
17	Design of current-risk-aware disturbance rejection controller for speed regulation of PMSMs. Control Engineering Practice, 2024, 146, 105875.	5.7	0
18	A Novel Dual-Model MPC-based Energy Management Strategy for Fuel Cell Electric Vehicle. IEEE Transactions on Transportation Electrification, 2024, , 1-1.	8.0	1

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19	Disturbance Preview-Based Output Feedback Predictive Control for Pneumatic Artificial Muscle Robot Systems With Hysteresis Compensation. IEEE/ASME Transactions on Mechatronics, 2024, , 1-13.	6.1	1
20	Dual Control of Exploration and Exploitation for Auto-Optimization Control With Active Learning. IEEE Transactions on Automation Science and Engineering, 2024, , 1-14.	5.7	0
21	Multistep Dual Control for Exploration and Exploitation in Autonomous Search With Convergence Guarantee. IEEE Transactions on Industrial Informatics, 2024, 20, 8207-8217.	12.1	0
22	Improved YOLOX-DeepSORT for Multitarget Detection and Tracking of Automated Port RTG. IEEE Open Journal of the Industrial Electronics Society, 2024, 5, 317-325.	7.0	1
23	Prescribed Performance Motion Control: A Control Barrier Function Approach. IEEE Transactions on Industrial Electronics, 2024, , 1-11.	8.2	0
24	Robust Safe Motion Control for Compliantly Actuated Robots via Disturbance Observers. IEEE/ASME Transactions on Mechatronics, 2024, , 1-9.	6.1	0
25	Safety-Critical Disturbance Rejection Control of Overhead Crane Systems: Methods and Experimental Validation. IEEE Transactions on Control Systems Technology, 2024, , 1-14.	5.4	0
26	Safety-Critical Generalized Predictive Control for Speed Regulation of PMSM Drives Based on Dynamic Robust Control Barrier Function. IEEE Transactions on Industrial Electronics, 2024, , 1-11.	8.2	0
27	Stepped-wedge Trial of Decision Support for AKI on Surgical Units. Kidney International Reports, 2024, , .	0.8	0
28	Robust Visual Landing Control of Quadrotor on a Moving Platform: A Sampled-Data Approach With Delayed Output and Disturbances. IEEE Transactions on Control Systems Technology, 2024, , 1-15.	5.4	0
29	Dynamic Double Event-Triggered Anti-Disturbance Tracking Control for a 2-DOF Small Unmanned Helicopter. IEEE Transactions on Cybernetics, 2024, , 1-13.	10.1	0
30	Prescribed-Time Nonsingular Terminal Sliding Mode Control and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2024, , 1-10.	8.2	0
31	On Recursive Feasibility and Stability of Constrained Output Regulation. IEEE Transactions on Automatic Control, 2024, , 1-8.	6.0	0
32	Stable Inertia Identification Considering Precise Cogging Torque Under Low-Speed Operation. IEEE Transactions on Industrial Electronics, 2024, , 1-11.	8.2	0
33	Sampled-Data Output Feedback Control for Nonlinear Uncertain Systems Using Predictor-Based Continuous-Discrete Observer. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9223-9233.	12.6	3
34	Adaptive Fixed-Time Position Precision Control for Magnetic Levitation Systems. IEEE Transactions on Automation Science and Engineering, 2023, 20, 458-469.	5.7	13
35	Predictor-Based Global Sampled-Data Output Feedback Stabilization for Nonlinear Uncertain Systems Subject to Delayed Output. IEEE Transactions on Automatic Control, 2023, 68, 1839-1846.	6.0	10
36	Sliding-Mode-Based Robust Output Regulation and Its Application in PMSM Servo Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 1852-1860.	8.2	20

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37	Disturbance observer-based tracking control with prescribed performance specifications for a class of nonlinear systems subject to mismatched disturbances. Asian Journal of Control, 2023, 25, 359-370.	2.9	13
38	Predictor-Based Extended State Observer for Disturbance Rejection Control of Multirate Systems With Measurement Delay. IEEE Transactions on Industrial Electronics, 2023, 70, 3003-3012.	8.2	8
39	Nonsmooth Dynamic Tracking Control for Nonlinear Systems With Mismatched Disturbances: Algorithm and Practice. IEEE Transactions on Industrial Electronics, 2023, 70, 4048-4057.	8.2	3
40	Prescribed-Time Second-Order Sliding Mode Controller Design Subject to Mismatched Term. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 1976-1980.	3.2	10
41	Mismatched Disturbance Compensation Enhanced Robust $H_{\infty}$ Control for the DC-DC Boost Converter Feeding Constant Power Loads. IEEE Transactions on Energy Conversion, 2023, 38, 1300-1310.	5.5	6
42	Robust Filtering for 2-D Systems With Uncertain-Variance Noises and Weighted Try-Once-Discard Protocols. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 2914-2924.	9.7	4
43	Robust Temporal Logic Motion Control via Disturbance Observers. IEEE Transactions on Industrial Electronics, 2023, 70, 8286-8295.	8.2	5
44	A New Alternating Predictive Observer Approach for Higher Bandwidth Control of Dual-Rate Dynamic Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 2525-2529.	3.2	1
45	Single-Loop Robust Model Predictive Speed Regulation of PMSM Based on Exogenous Signal Preview. IEEE Transactions on Industrial Electronics, 2023, 70, 12719-12729.	8.2	11
46	Integration of Predictive Control and Interconnected Structure for Autotuning Velocity Controller. IEEE/ASME Transactions on Mechatronics, 2023, 28, 3250-3262.	6.1	6
47	Disturbance Rejection Extremum Seeking: A Sliding Mode Control Approach. , 2023, 7, 1447-1452.		2
48	Concurrent Active Learning in Autonomous Airborne Source Search: Dual Control for Exploration and Exploitation. IEEE Transactions on Automatic Control, 2023, 68, 3123-3130.	6.0	2
49	Applications to DC Microgrid Systems. , 2023, , 185-242.		0
50	Application to Series Elastic Actuator Systems. , 2023, , 163-184.		0
51	Nonrecursive Adaptive Control for Nonlinear Systems with Non-Parametrized Uncertainties. , 2023, , 57-88.		0
52	Adaptive Integral Extended State Observer-Based Improved Multistep FCS-MPCC for PMSM. IEEE Transactions on Power Electronics, 2023, 38, 11260-11276.	8.1	11
53	Nonrecursive Robust Output Regulation for Nonlinear Systems with Mismatched Disturbances. , 2023, , 89-120.		0
54	Nonrecursive Robust Stabilization for Uncertain Nonlinear Systems. , 2023, , 17-28.		0

#	ARTICLE	IF	CITATIONS
55	Practically Oriented Finite-Time Tracking Control for Nonlinear Systems. , 2023, , 29-56.		0
56	Nonrecursive Adaptive Output Regulation for Nonlinear Systems with Mismatched Disturbances. , 2023, , 121-140.		0
57	Application to Permanent Magnet Synchronous Motor Systems. , 2023, , 141-162.		0
58	Reliability of nocturnal transcutaneous capnography in a real-world scenario. European Respiratory Journal, 2023, , .	7.5	0
59	Relato de caso. Caminhos da Clínica, 2023, , .	0.0	0
60	Continuous nonsingular terminal sliding mode control for nonlinear systems subject to mismatched terms. Asian Journal of Control, 2022, 24, 885-894.	2.9	16
61	Predictor-Based Periodic Event-Triggered Control for Dual-Rate Networked Control Systems With Disturbances. IEEE Transactions on Cybernetics, 2022, 52, 8179-8190.	10.1	28
62	A Model-Based Unmatched Disturbance Rejection Control Approach for Speed Regulation of a Converter-Driven DC Motor Using Output-Feedback. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 365-376.	13.9	14
63	Nonsmooth Adaptive Control for Uncertain Nonlinear Systems: A Non-recursive Design Approach. , 2022, 6, 229-234.		5
64	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.	8.2	77
65	Locally Minimum-Variance Filtering of 2-D Systems Over Sensor Networks With Measurement Degradations: A Distributed Recursive Algorithm. IEEE Transactions on Cybernetics, 2022, 52, 996-1008.	10.1	7
66	Periodic Event-Triggered Control for a Class of Nonminimum-Phase Nonlinear Systems Using Dynamic Triggering Mechanism. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1302-1311.	5.8	16
67	Predictor-based periodic event-triggered control for nonlinear uncertain systems with input delay. Automatica, 2022, 136, 110055.	5.2	33
68	Sampled-data robust visual servoing control for moving target tracking of an inertially stabilized platform with a measurement delay. Automatica, 2022, 137, 110105.	5.2	11
69	Gain Function-Based Visual Tracking Control for Inertial Stabilized Platform with Output Constraints and Disturbances. Electronics (Switzerland), 2022, 11, 1137.	3.2	4
70	Optimal Path Following for Small Fixed-Wing UAVs Under Wind Disturbances. IEEE Transactions on Control Systems Technology, 2021, 29, 996-1008.	5.4	49
71	A Disturbance Observer-Based Current-Constrained Controller for Speed Regulation of PMSM Systems Subject to Unmatched Disturbances. IEEE Transactions on Industrial Electronics, 2021, 68, 767-775.	8.2	102
72	Invariant Manifold Based Output-Feedback Sliding Mode Control for Systems With Mismatched Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 933-937.	3.2	13

#	ARTICLE	IF	CITATIONS
73	Robust adaptive motion tracking of piezoelectric actuated stages using online neural-network-based sliding mode control. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107235.	8.2	52
74	Harmonic current suppression method with adaptive filter for permanent magnet synchronous motor. <i>International Journal of Electronics</i> , 2021, 108, 983-1013.	1.4	11
75	Robust converter-fed motor control based on active rejection of multiple disturbances. <i>Control Engineering Practice</i> , 2021, 107, 104696.	5.7	25
76	Estimate-Based Dynamic Event-Triggered Output Feedback Control of Networked Nonlinear Uncertain Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3148-3158.	9.7	37
77	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.	1.8	8
78	Optimized dosage control of the ozonation process in drinking water treatment. <i>Measurement and Control</i> , 2021, 54, 692-700.	1.8	1
79	Finite-time disturbance observer-based modified super-twisting algorithm for systems with mismatched disturbances: Application to fixed-wing UAVs under wind disturbances. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 7317-7343.	3.8	16
80	Robust predictive visual servoing control for an inertially stabilized platform with uncertain kinematics. <i>ISA Transactions</i> , 2021, 114, 347-358.	6.2	21
81	Design of Composite Disturbance Observer and Continuous Terminal Sliding Mode Control for Piezoelectric Nanopositioning Stage. <i>Electronics (Switzerland)</i> , 2021, 10, 2242.	3.2	2
82	Finite-time disturbance observer-based trajectory tracking control for flexible-joint robots. <i>Nonlinear Dynamics</i> , 2021, 106, 459-471.	5.3	18
83	A Lyapunov-Based Approach for Recursive Continuous Higher Order Nonsingular Terminal Sliding-Mode Control. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4424-4431.	6.0	20
84	On Disturbance Rejection for Gimbal Servo System of Flexible Mounting Control Moment Gyroscope. , 2021, , .		1
85	Composite control with observer for switched stochastic systems subject to multiple disturbances and input saturation. <i>IET Control Theory and Applications</i> , 2021, 15, 166-178.	2.2	1
86	Event-triggered state feedback control for p-normal uncertain nonlinear systems. <i>International Journal of Systems Science</i> , 2021, 52, 1284-1296.	5.6	2
87	Disturbance-Observer-Based U-Control (DOBUC) for Nonlinear Dynamic Systems. <i>Entropy</i> , 2021, 23, 1625.	2.3	6
88	Single-Loop Robust Predictive Speed Control of PMSM System with Overcurrent Protection: A Disturbance Preview Approach. , 2021, , .		8
89	Realization of Exact Tracking Control for Nonlinear Systems via a Nonrecursive Dynamic Design. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 577-589.	9.7	15
90	Disturbance Rejection of Nonlinear Boiler-Turbine Unit Using High-Order Sliding Mode Observer. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5432-5443.	9.7	14

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91	Output-Based Dynamic Event-Triggered Mechanisms for Disturbance Rejection Control of Networked Nonlinear Systems. IEEE Transactions on Cybernetics, 2020, 50, 1978-1988.	10.1	51
92	Finite-Time Feedforward Decoupling and Precise Decentralized Control for DC Microgrids Towards Large-Signal Stability. IEEE Transactions on Smart Grid, 2020, 11, 391-402.	9.7	39
93	Disturbance Rejection for Nonlinear Uncertain Systems With Output Measurement Errors: Application to a Helicopter Model. IEEE Transactions on Industrial Informatics, 2020, 16, 3133-3144.	12.1	23
94	Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2230-2236.	6.0	32
95	Modeling and Robust Continuous TSM Control for an Inertially Stabilized Platform With Couplings. IEEE Transactions on Control Systems Technology, 2020, 28, 2548-2555.	5.4	30
96	Semiglobal Finite-Time Trajectory Tracking Realization for Disturbed Nonlinear Systems via Higher-Order Sliding Modes. IEEE Transactions on Automatic Control, 2020, 65, 2185-2191.	6.0	31
97	Reduced-order GPIO based dynamic event-triggered tracking control of a networked one-DOF link manipulator without velocity measurement. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 725-734.	13.9	17
98	Semiglobal output feedback control for uncertain nontriangular nonlinear systems with sector-bounded unknown measurement. International Journal of Robust and Nonlinear Control, 2020, 30, 1-16.	3.8	8
99	Multi-source Disturbance Observer Based Continuous Sliding Mode Control for Fuel Quantity Actuator System. , 2020, , .		2
100	Event-triggered output consensus disturbance rejection algorithm for multi-agent systems with time-varying disturbances. Journal of the Franklin Institute, 2020, 357, 12870-12885.	3.7	14
101	Anti-Sway Control of Underactuated Cranes Using Linear Quadratic Regulator and Extended State Observer Techniques. , 2020, , .		5
102	High-order sliding mode observer-based trajectory tracking control for a quadrotor UAV with uncertain dynamics. Nonlinear Dynamics, 2020, 102, 2583-2596.	5.3	62
103	Fuzzy-Based Super-Twisting Sliding Mode Stabilization Control for Under-Actuated Rotary Inverted Pendulum Systems. IEEE Access, 2020, 8, 185079-185092.	4.4	21
104	Disturbance observer-based autonomous landing control of unmanned helicopters on moving shipboard. Nonlinear Dynamics, 2020, 102, 131-150.	5.3	8
105	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.	3.8	22
106	GPIO-Based Nonlinear Predictive Control for Flux-Weakening Current Control of the IPMSM Servo System. Energies, 2020, 13, 1716.	3.2	4
107	Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. Automatica, 2020, 119, 109070.	5.2	40
108	On the Actuator Dynamics of Dynamic Control Allocation for a Small Fixed-Wing UAV With Direct Lift Control. IEEE Transactions on Control Systems Technology, 2020, 28, 984-991.	5.4	29

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109	A Survey on Filtering Issues for Two-Dimensional Systems: Advances and Challenges. International Journal of Control, Automation and Systems, 2020, 18, 629-642.	2.7	13
110	An acceleration-level visual servoing scheme for robot manipulator with IoT and sensors using recurrent neural network. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108137.	5.1	7
111	Finite-time path following control for small-scale fixed-wing UAVs under wind disturbances. Journal of the Franklin Institute, 2020, 357, 7879-7903.	3.7	19
112	Continuous dynamic sliding mode control of converter-fed DC motor system with high order mismatched disturbance compensation. Transactions of the Institute of Measurement and Control, 2020, 42, 2812-2821.	1.9	20
113	Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. Control Engineering Practice, 2020, 100, 104413.	5.7	44
114	Disturbance observer-based event-triggered tracking control of networked robot manipulator. Measurement and Control, 2020, 53, 892-898.	1.8	12
115	Extended State based Kalman Filter for Uncertain Systems with Bias. IFAC-PapersOnLine, 2020, 53, 2299-2304.	1.0	4
116	Non-linear disturbance observer enhanced MPC for motion control systems with multiple disturbances. IET Control Theory and Applications, 2020, 14, 63-72.	2.2	28
117	Comparative Study of Output-based and Error-based ADRC Schemes in Application to Buck Converter-fed DC Motor System. , 2020, , .		7
118	Correctional Deflection Control of Rubber Tire Gantry: A Direction Switch Strategy. , 2020, , .		0
119	Friction-Compensation and Extended State Observer Based Model Predictive Control for PMSM Servo Systems. IEEJ Journal of Industry Applications, 2020, 9, 351-357.	1.3	8
120	Unknown System Dynamics Estimator for Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2020, 53, 554-559.	1.0	7
121	Sliding Mode Control of Converter-fed DC Motor with Mismatched Load Torque Compensation. , 2019, , .		10
122	Output feedback continuous terminal sliding mode guidance law for missile-target interception with autopilot dynamics. Aerospace Science and Technology, 2019, 86, 256-267.	4.9	49
123	Distributed Finite-Time Cooperative Control for Quadrotor Formation. IEEE Access, 2019, 7, 66753-66763.	4.4	21
124	Global Adaptive Finite-Time Stabilization of Uncertain Time-Varying $p$ -Normal Nonlinear Systems Without Homogeneous Growth Nonlinearity Restriction. IEEE Transactions on Automatic Control, 2019, 64, 4637-4644.	6.0	22
125	An Offset-free Model Predictive Controller for DC/DC Boost Converter Feeding Constant Power Loads in DC Microgrids. , 2019, , .		6
126	Sliding Mode Control with Extended State Observer for Multi-axis Motion Control System. , 2019, , .		3



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127	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.	8.2	80
128	Sow environment during gestation: part I. Influence on maternal physiology and lacteal secretions in relation with neonatal survival. Animal, 2019, 13, 1432-1439.	3.3	18
129	Composite nonlinear bilateral control for teleoperation systems with external disturbances. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1220-1229.	13.9	17
130	Design and implementation of continuous finite-time sliding mode control for 2-DOF inertially stabilized platform subject to multiple disturbances. ISA Transactions, 2019, 84, 214-224.	6.2	38
131	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.	3.2	19
132	Sampled-Data-Based Event-Triggered Active Disturbance Rejection Control for Disturbed Systems in Networked Environment. IEEE Transactions on Cybernetics, 2019, 49, 556-566.	10.1	104
133	Generalized Dynamic Predictive Control for Nonparametric Uncertain Systems With Application to Series Elastic Actuators. IEEE Transactions on Industrial Informatics, 2018, 14, 4829-4840.	12.1	27
134	Global output regulation for a class of single input Port-controlled Hamiltonian disturbed systems. Applied Mathematics and Computation, 2018, 325, 322-331.	2.3	11
135	Robust Speed Regulation for PMSM Servo System With Multiple Sources of Disturbances via an Augmented Disturbance Observer. IEEE/ASME Transactions on Mechatronics, 2018, 23, 769-780.	6.1	183
136	Continuous Finite-Time Output Regulation of Nonlinear Systems With Unmatched Time-Varying Disturbances. , 2018, 2, 97-102.		40
137	Actuator dynamics augmented DOBC for a small scale fixed wing UAV. , 2018, , .		1
138	Disturbance observer based model predictive control for accurate atmospheric entry of spacecraft. Advances in Space Research, 2018, 61, 2457-2471.	2.7	21
139	A Nonsmooth Composite Control Design Framework for Nonlinear Systems With Mismatched Disturbances: Algorithms and Experimental Tests. IEEE Transactions on Industrial Electronics, 2018, 65, 8828-8839.	8.2	44
140	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.	3.2	54
141	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.	5.8	152
142	Finite-time stabilization of port-controlled Hamiltonian systems with nonvanishing disturbances. Transactions of the Institute of Measurement and Control, 2018, 40, 2973-2981.	1.9	11
143	Output Feedback Disturbance Rejection Control for DC-DC Buck Converter-DC Motor System Subject to Unmatched Load Torques. , 2018, , .		3
144	A Guide for Gain Tuning of Disturbance Observer: Balancing Disturbance Estimation and Noise Suppression. , 2018, , .		1

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145	A Simple Optimal Planer Path Following Algorithm for Unmanned Aerial Vehicles—, 2018, , .		1
146	Disturbance-Observer-Based Model Predictive Control for Battery Energy Storage System Modular Multilevel Converters. Energies, 2018, 11, 2285.	3.2	9
147	Current sensorless sliding mode control for direct current“alternating current inverter with load variations via a USDO approach. IET Power Electronics, 2018, 11, 1389-1398.	2.3	12
148	Nonlinear composite bilateral control framework for n-DOF teleoperation systems with disturbances. Science China Information Sciences, 2018, 61, 1.	4.5	7
149	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.	2.2	35
150	Periodic event-triggered robust output feedback control for nonlinear uncertain systems with time-varying disturbance. Automatica, 2018, 94, 324-333.	5.2	105
151	Current sensorless finite-time control for buck converters with time-varying disturbances. Control Engineering Practice, 2018, 77, 127-137.	5.7	26
152	Distributed composite autopilot design for bank-to-turn missiles with optimized tracking based on disturbance observers. Transactions of the Institute of Measurement and Control, 2017, 39, 1123-1138.	1.9	10
153	Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives“ A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285.	8.2	485
154	Sampled-data active disturbance rejection output feedback control for systems with mismatched uncertainties. Advances in Mechanical Engineering, 2017, 9, 168781401668269.	1.6	2
155	Semi“Global Exquisite Disturbance Attenuation Control for Perturbed Uncertain Nonlinear Systems. Asian Journal of Control, 2017, 19, 1608-1619.	2.9	7
156	Global output regulation for a class of lower triangular nonlinear systems: A feedback domination approach. Automatica, 2017, 76, 65-69.	5.2	40
157	Global stabilisation for a class of uncertain non-linear systems: a novel non-recursive design framework. Journal of Control and Decision, 2017, 4, 57-69.	1.4	27
158	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.	3.8	5
159	Distributed Active Anti-Disturbance Consensus for Leader-Follower Higher-Order Multi-Agent Systems With Mismatched Disturbances. IEEE Transactions on Automatic Control, 2017, 62, 5795-5801.	6.0	192
160	Model predictive control for DC-DC buck power converter-DC motor system with uncertainties using a GPI observer. , 2017, , .		12
161	Output Feedback Stabilization of Inertial Stabilized Platform with Unmatched Disturbances Using Sliding Mode Approach * *This paper was supported by the foundation of International Science & Technology Cooperation Program of China (2015DFA10490), the National Natural Science Foundation of China (61473080), and the Fundamental Research Funds for the Central Universities and the Innovate Foundation for Graduate Student of liangSu Province (KYLX15-0213).. IFAC-PapersOnLine, 2017, 50, 5149-5154.	1.0	5
162	Sliding mode control for a class of second-order nonlinear systems with unmatched disturbances. , 2017, , .		0

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163	Disturbance rejection control for Raymond mill grinding system based on disturbance observer. Journal of Central South University, 2017, 24, 2019-2027.	3.1	2
164	Universal active disturbance rejection control for non-linear systems with multiple disturbances via a high-order sliding mode observer. IET Control Theory and Applications, 2017, 11, 1194-1204.	2.2	25
165	Finite-Time Output Feedback Control for PWM-Based DC-DC Buck Power Converters of Current Sensorless Mode. IEEE Transactions on Control Systems Technology, 2017, 25, 1359-1371.	5.4	68
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