

Jun Yang

List of Publications by Year in descending order

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249
papers

11,207
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254
docs citations

254
times ranked

7529
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Disturbance-Observer-Based Control and Related Methods—An Overview. IEEE Transactions on Industrial Electronics, 2016, 63, 1083-1095. | 8.2 | 2,119 |
| 2 | Sliding-Mode Control for Systems With Mismatched Uncertainties via a Disturbance Observer. IEEE Transactions on Industrial Electronics, 2013, 60, 160-169. | 8.2 | 1,125 |
| 3 | Generalized Extended State Observer Based Control for Systems With Mismatched Uncertainties. IEEE Transactions on Industrial Electronics, 2012, 59, 4792-4802. | 8.2 | 682 |
| 4 | Continuous nonsingular terminal sliding mode control for systems with mismatched disturbances. Automatica, 2013, 49, 2287-2291. | 5.2 | 523 |
| 5 | Disturbance/Uncertainty Estimation and Attenuation Techniques in PMSM Drives—A Survey. IEEE Transactions on Industrial Electronics, 2017, 64, 3273-3285. | 8.2 | 485 |
| 6 | Nonlinear-Disturbance-Observer-Based Robust Flight Control for Airbreathing Hypersonic Vehicles. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1263-1275. | 4.9 | 312 |
| 7 | Extended state observer-based sliding mode control for PWM-based DC-DC buck power converter systems with mismatched disturbances. IET Control Theory and Applications, 2015, 9, 579-586. | 2.2 | 263 |
| 8 | High-Order Mismatched Disturbance Compensation for Motion Control Systems Via a Continuous Dynamic Sliding-Mode Approach. IEEE Transactions on Industrial Informatics, 2014, 10, 604-614. | 12.1 | 245 |
| 9 | Continuous Finite-Time Output Regulation for Disturbed Systems Under Mismatching Condition. IEEE Transactions on Automatic Control, 2015, 60, 277-282. | 6.0 | 213 |
| 10 | Robust control of nonlinear MAGLEV suspension system with mismatched uncertainties via DOBC approach. ISA Transactions, 2011, 50, 389-396. | 6.2 | 200 |
| 11 | 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. | 8.2 | 194 |
| 12 | 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 |
| 13 | 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 |
| 14 | Nonlinear disturbance observer-based control for multi-input multi-output nonlinear systems subject to mismatching condition. International Journal of Control, 2012, 85, 1071-1082. | 2.0 | 175 |
| 15 | 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 |
| 16 | Disturbance rejection of ball mill grinding circuits using DOB and MPC. Powder Technology, 2010, 198, 219-228. | 4.3 | 137 |
| 17 | Disturbance Observer-Based Control. , 0, , . | | 116 |
| 18 | Periodic event-triggered robust output feedback control for nonlinear uncertain systems with time-varying disturbance. Automatica, 2018, 94, 324-333. | 5.2 | 105 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Global output regulation for strict-feedback nonlinear systems with mismatched nonvanishing disturbances. International Journal of Robust and Nonlinear Control, 2015, 25, 2631-2645. | 3.8 | 94 |
| 22 | Robust Autopilot Design for Bank-to-Turn Missiles using Disturbance Observers. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 558-579. | 4.9 | 92 |
| 23 | Finite-time disturbance observer based non-singular terminal sliding-mode control for pulse width modulation based DC-DC buck converters with mismatched load disturbances. IET Power Electronics, 2016, 9, 1995-2002. | 2.3 | 90 |
| 24 | Offset-Free Nonlinear MPC for Mismatched Disturbance Attenuation With Application to a Static Var Compensator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 49-53. | 3.2 | 81 |
| 25 | 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 |
| 26 | Non-linear disturbance observer-based backstepping control for airbreathing hypersonic vehicles with mismatched disturbances. IET Control Theory and Applications, 2014, 8, 1852-1865. | 2.2 | 78 |
| 27 | 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 |
| 28 | Disturbance rejection of dead-time processes using disturbance observer and model predictive control. Chemical Engineering Research and Design, 2011, 89, 125-135. | 5.7 | 76 |
| 29 | Design and Qualitative Robustness Analysis of an DOBC Approach for DC-DC Buck Converters With Unmatched Circuit Parameter Perturbations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 551-560. | 5.8 | 68 |
| 30 | 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 |
| 31 | 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. | 3.2 | 67 |
| 32 | 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 |
| 33 | 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, . | 1.7 | 58 |
| 34 | Consensus disturbance rejection for Lipschitz nonlinear multi-agent systems with input delay: A DOBC approach. Journal of the Franklin Institute, 2017, 354, 298-315. | 3.7 | 58 |
| 35 | 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 |
| 36 | Robust adaptive motion tracking of piezoelectric actuated stages using online neural-network-based sliding mode control. Mechanical Systems and Signal Processing, 2021, 150, 107235. | 8.2 | 52 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Composite predictive flight control for airbreathing hypersonic vehicles. International Journal of Control, 2014, 87, 1970-1984. | 2.0 | 51 |
| 38 | 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 |
| 39 | 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 |
| 40 | Optimal Path Following for Small Fixed-Wing UAVs Under Wind Disturbances. IEEE Transactions on Control Systems Technology, 2021, 29, 996-1008. | 5.4 | 49 |
| 41 | Gender Differences in the Treatment of Non-ST Segment Elevation Myocardial Infarction. Clinical Cardiology, 2010, 33, 99-103. | 1.9 | 48 |
| 42 | Finite-time super-twisting sliding mode control for Mars entry trajectory tracking. Journal of the Franklin Institute, 2015, 352, 5226-5248. | 3.7 | 48 |
| 43 | 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 |
| 44 | Active disturbance rejection control of torsional plant with unknown frequency harmonic disturbance. Control Engineering Practice, 2020, 100, 104413. | 5.7 | 44 |
| 45 | Static disturbance-to-output decoupling for nonlinear systems with arbitrary disturbance relative degree. International Journal of Robust and Nonlinear Control, 2013, 23, 562-577. | 3.8 | 42 |
| 46 | 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. | 1.9 | 42 |
| 47 | Finite-time soft landing on asteroids using nonsingular terminal sliding mode control. Transactions of the Institute of Measurement and Control, 2014, 36, 216-223. | 1.9 | 40 |
| 48 | Global output regulation for a class of lower triangular nonlinear systems: A feedback domination approach. Automatica, 2017, 76, 65-69. | 5.2 | 40 |
| 49 | Continuous Finite-Time Output Regulation of Nonlinear Systems With Unmatched Time-Varying Disturbances. , 2018, 2, 97-102. | | 40 |
| 50 | Event-triggered tracking control for nonlinear systems subject to time-varying external disturbances. Automatica, 2020, 119, 109070. | 5.2 | 40 |
| 51 | 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 |
| 52 | 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 |
| 53 | Estimate-Based Dynamic Event-Triggered Output Feedback Control of Networked Nonlinear Uncertain Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3148-3158. | 9.7 | 37 |
| 54 | 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. | 2.2 | 35 |

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| 55 | 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 |
| 56 | Predictor-based periodic event-triggered control for nonlinear uncertain systems with input delay. Automatica, 2022, 136, 110055. | 5.2 | 33 |
| 57 | Nonlinearity Estimator-Based Control of A Class of Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 2230-2236. | 6.0 | 32 |
| 58 | 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 |
| 59 | A generalized active disturbance rejection control method for nonlinear uncertain systems subject to additive disturbance. Nonlinear Dynamics, 2016, 83, 2361-2372. | 5.3 | 30 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | Nonlinear disturbance observer-enhanced MPC for motion control systems with multiple disturbances. IET Control Theory and Applications, 2020, 14, 63-72. | 2.2 | 28 |
| 64 | Robust Control of Uncertain Nonlinear Systems: A Nonlinear DOBC Approach. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2016, 138, . | 1.7 | 27 |
| 65 | 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 |
| 66 | 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 |
| 67 | Finite-time control for soft landing on an asteroid based on line-of-sight angle. Journal of the Franklin Institute, 2014, 351, 383-398. | 3.7 | 26 |
| 68 | Are bioactive-rich fractions functionally richer?. Critical Reviews in Biotechnology, 2016, 36, 585-593. | 9.4 | 26 |
| 69 | Current sensorless finite-time control for buck converters with time-varying disturbances. Control Engineering Practice, 2018, 77, 127-137. | 5.7 | 26 |
| 70 | Continuous Sliding Mode Control for Permanent Magnet Synchronous Motor Speed Regulation Systems Under Time-Varying Disturbances. Journal of Power Electronics, 2016, 16, 1324-1335. | 1.5 | 26 |
| 71 | Drag-based composite super-twisting sliding mode control law design for Mars entry guidance. Advances in Space Research, 2016, 57, 2508-2518. | 2.7 | 25 |
| 72 | Universal active disturbance rejection control for nonlinear systems with multiple disturbances via a high-order sliding mode observer. IET Control Theory and Applications, 2017, 11, 1194-1204. | 2.2 | 25 |

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|----|---|------|-----------|
| 73 | Robust converter-fed motor control based on active rejection of multiple disturbances. Control Engineering Practice, 2021, 107, 104696. | 5.7 | 25 |
| 74 | RBFNDOB-based neural network inverse control for non-minimum phase MIMO system with disturbances. ISA Transactions, 2014, 53, 983-993. | 6.2 | 24 |
| 75 | A disturbance observer enhanced composite cascade control with experimental studies. International Journal of Control, Automation and Systems, 2013, 11, 555-562. | 2.7 | 23 |
| 76 | Optimal disturbance rejection control approach based on a compound neural network prediction method. Journal of Process Control, 2014, 24, 1516-1526. | 3.4 | 23 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | Finite-Time Control for 6DOF Spacecraft Formation Flying Systems. Journal of Aerospace Engineering, 2015, 28, . | 1.4 | 21 |
| 81 | Disturbance observer based model predictive control for accurate atmospheric entry of spacecraft. Advances in Space Research, 2018, 61, 2457-2471. | 2.7 | 21 |
| 82 | Distributed Finite-Time Cooperative Control for Quadrotor Formation. IEEE Access, 2019, 7, 66753-66763. | 4.4 | 21 |
| 83 | Fuzzy-Based Super-Twisting Sliding Mode Stabilization Control for Under-Actuated Rotary Inverted Pendulum Systems. IEEE Access, 2020, 8, 185079-185092. | 4.4 | 21 |
| 84 | Robust predictive visual servoing control for an inertially stabilized platform with uncertain kinematics. ISA Transactions, 2021, 114, 347-358. | 6.2 | 21 |
| 85 | 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 |
| 86 | A Lyapunov-Based Approach for Recursive Continuous Higher Order Nonsingular Terminal Sliding-Mode Control. IEEE Transactions on Automatic Control, 2021, 66, 4424-4431. | 6.0 | 20 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Robust nonlinear generalised predictive control for a class of uncertain nonlinear systems via an integral sliding mode approach. International Journal of Control, 2016, 89, 1698-1710. | 2.0 | 18 |

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|-----|--|------|-----------|
| 91 | Sow environment during gestation: part I. Influence on maternal physiology and lacteal secretions in relation with neonatal survival. <i>Animal</i> , 2019, 13, 1432-1439. | 3.3 | 18 |
| 92 | Finite-time disturbance observer-based trajectory tracking control for flexible-joint robots. <i>Nonlinear Dynamics</i> , 2021, 106, 459-471. | 5.3 | 18 |
| 93 | Composite nonlinear bilateral control for teleoperation systems with external disturbances. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019, 6, 1220-1229. | 13.9 | 17 |
| 94 | Reduced-order GPIO based dynamic event-triggered tracking control of a networked one-DOF link manipulator without velocity measurement. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 725-734. | 13.9 | 17 |
| 95 | Continuous nonsingular terminal sliding mode control for nonlinear systems subject to mismatched terms. <i>Asian Journal of Control</i> , 2022, 24, 885-894. | 2.9 | 16 |
| 96 | 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 |
| 97 | Periodic Event-Triggered Control for a Class of Nonminimum-Phase Nonlinear Systems Using Dynamic Triggering Mechanism. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2022, 69, 1302-1311. | 5.8 | 16 |
| 98 | 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 |
| 99 | Disturbance observers and applications. <i>Transactions of the Institute of Measurement and Control</i> , 2016, 38, 621-624. | 1.9 | 14 |
| 100 | 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 |
| 101 | Event-triggered output consensus disturbance rejection algorithm for multi-agent systems with time-varying disturbances. <i>Journal of the Franklin Institute</i> , 2020, 357, 12870-12885. | 3.7 | 14 |
| 102 | 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. | 13.9 | 14 |
| 103 | Reduced-order disturbance observer design for discrete-time linear stochastic systems. <i>Transactions of the Institute of Measurement and Control</i> , 2016, 38, 657-664. | 1.9 | 13 |
| 104 | A Survey on Filtering Issues for Two-Dimensional Systems: Advances and Challenges. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 629-642. | 2.7 | 13 |
| 105 | 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. | 3.2 | 13 |
| 106 | Adaptive Fixed-Time Position Precision Control for Magnetic Levitation Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2023, 20, 458-469. | 5.7 | 13 |
| 107 | Disturbance observer-based tracking control with prescribed performance specifications for a class of nonlinear systems subject to mismatched disturbances. <i>Asian Journal of Control</i> , 2023, 25, 359-370. | 2.9 | 13 |
| 108 | Extended state observer based control for DC-DC buck converters subject to mismatched disturbances. , 2014, , . | | 12 |

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|-----|---|-----|-----------|
| 109 | Model predictive control for DC-DC buck power converter-DC motor system with uncertainties using a GPI observer. , 2017, , . | | 12 |
| 110 | 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. | 5.6 | 12 |
| 111 | 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 |
| 112 | Disturbance observer based event-triggered tracking control of networked robot manipulator. Measurement and Control, 2020, 53, 892-898. | 1.8 | 12 |
| 113 | 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 |
| 114 | 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 |
| 115 | Harmonic current suppression method with adaptive filter for permanent magnet synchronous motor. International Journal of Electronics, 2021, 108, 983-1013. | 1.4 | 11 |
| 116 | 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 |
| 117 | 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 |
| 118 | Adaptive Integral Extended State Observer-Based Improved Multistep FCS-MPCC for PMSM. IEEE Transactions on Power Electronics, 2023, 38, 11260-11276. | 8.1 | 11 |
| 119 | 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 |
| 120 | Sliding Mode Control of Converter-fed DC Motor with Mismatched Load Torque Compensation. , 2019, , . | | 10 |
| 121 | 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 |
| 122 | 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 |
| 123 | Sliding-mode control for systems with mismatched uncertainties via a disturbance observer. , 2011, , . | | 9 |
| 124 | Disturbance-Observer-Based Model Predictive Control for Battery Energy Storage System Modular Multilevel Converters. Energies, 2018, 11, 2285. | 3.2 | 9 |
| 125 | Adaptive MPC for ozone dosing process of drinking water treatment based on RBF modeling. Transactions of the Institute of Measurement and Control, 2014, 36, 58-67. | 1.9 | 8 |
| 126 | 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 |

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|-----|---|------|-----------|
| 127 | Disturbance observer-based autonomous landing control of unmanned helicopters on moving shipboard. <i>Nonlinear Dynamics</i> , 2020, 102, 131-150. | 5.3 | 8 |
| 128 | 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 |
| 129 | Friction-Compensation and Extended State Observer Based Model Predictive Control for PMSM Servo Systems. <i>IEEJ Journal of Industry Applications</i> , 2020, 9, 351-357. | 1.3 | 8 |
| 130 | Single-Loop Robust Predictive Speed Control of PMSM System with Overcurrent Protection: A Disturbance Preview Approach. , 2021, , . | | 8 |
| 131 | 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. | 8.2 | 8 |
| 132 | Disturbance observer based control for nonlinear MAGLEV suspension system. , 2010, , . | | 7 |
| 133 | Semi-Global Exquisite Disturbance Attenuation Control for Perturbed Uncertain Nonlinear Systems. <i>Asian Journal of Control</i> , 2017, 19, 1608-1619. | 2.9 | 7 |
| 134 | Nonlinear composite bilateral control framework for n-DOF teleoperation systems with disturbances. <i>Science China Information Sciences</i> , 2018, 61, 1. | 4.5 | 7 |
| 135 | An acceleration-level visual servoing scheme for robot manipulator with IoT and sensors using recurrent neural network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 166, 108137. | 5.1 | 7 |
| 136 | Comparative Study of Output-based and Error-based ADRC Schemes in Application to Buck Converter-fed DC Motor System. , 2020, , . | | 7 |
| 137 | Locally Minimum-Variance Filtering of 2-D Systems Over Sensor Networks With Measurement Degradations: A Distributed Recursive Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 996-1008. | 10.1 | 7 |
| 138 | Unknown System Dynamics Estimator for Nonlinear Uncertain Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 554-559. | 1.0 | 7 |
| 139 | Composite control for raymond mill based on model predictive control and disturbance observer. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401663982. | 1.6 | 6 |
| 140 | An Offset-free Model Predictive Controller for DC/DC Boost Converter Feeding Constant Power Loads in DC Microgrids. , 2019, , . | | 6 |
| 141 | Disturbance-Observer-Based U-Control (DOBUC) for Nonlinear Dynamic Systems. <i>Entropy</i> , 2021, 23, 1625. | 2.3 | 6 |
| 142 | Mismatched Disturbance Compensation Enhanced Robust H_{∞} Control for the DC-DC Boost Converter Feeding Constant Power Loads. <i>IEEE Transactions on Energy Conversion</i> , 2023, 38, 1300-1310. | 5.5 | 6 |
| 143 | Integration of Predictive Control and Interconnected Structure for Autotuning Velocity Controller. <i>IEEE/ASME Transactions on Mechatronics</i> , 2023, 28, 3250-3262. | 6.1 | 6 |
| 144 | Generalized Dynamic Predictive Control for Nonlinear Systems Subject to Mismatched Disturbances With Application to PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2024, 71, 954-964. | 8.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Finite-time disturbance rejection control for robotic manipulators based on sliding mode differentiator. , 2013, , . | | 5 |
| 146 | Nonlinear disturbance rejection control for a buck-boost converter with load uncertainties. , 2014, , . | | 5 |
| 147 | Neural-network-based composite disturbance rejection control for a distillation column. Transactions of the Institute of Measurement and Control, 2015, 37, 1146-1158. | 1.9 | 5 |
| 148 | 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 |
| 149 | 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 Jiangsu Province (KYLX15-0213).. IFAC-PapersOnLine, 2017, 50, 5149-5154. | 1.0 | 5 |
| 150 | Anti-Sway Control of Underactuated Cranes Using Linear Quadratic Regulator and Extended State Observer Techniques. , 2020, , . | | 5 |
| 151 | Nonsmooth Adaptive Control for Uncertain Nonlinear Systems: A Non-recursive Design Approach. , 2022, 6, 229-234. | | 5 |
| 152 | Robust Temporal Logic Motion Control via Disturbance Observers. IEEE Transactions on Industrial Electronics, 2023, 70, 8286-8295. | 8.2 | 5 |
| 153 | Disturbance observer enhanced model predictive control with experimental studies. , 2011, , . | | 4 |
| 154 | Modeling and nonlinear model predictive control of kite system for high altitude wind energy generation. , 2014, , . | | 4 |
| 155 | A double loop optimization method for gasoline online blending. , 2016, , . | | 4 |
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