Dynamic Sliding Mode Control for a Class of Systems w

Citation Report

#	Article	IF	Citations
1	Robust sliding mode observer-based actuator fault detection and isolation for a class of nonlinear systems. , 0, , .		12
2	Discussion on: â€œDynamic Sliding Mode Control for a Class of Systems with Mismatched Uncertaintyâ€. European Journal of Control, 2005, 11, 11-12.	2.6	1
3	Evaluation and comparison of robust optimal experiment design criteria. , 2006, , .		7
4	Discussion on: â€œAdaptative Variable Structure Maneuvering Control and Vibration Reduction of Three-axis Stabilized Flexible Spacecraftâ€. European Journal of Control, 2006, 12, 671-672.	2.6	0
5	Passivity based control of a DFIG wind turbine. , 2006, , .		5
6	State observers for the estimation of mRNA and protein dynamics. , 2007, , .		6
7	Feature Sensitivity on Biochemical Signaling Pathways. , 2007, , .		1
8	Hybrid model predictive control of induction of Escherichia coli. , 2007, , .		1
10	Robust optimal experiment design for system identification. Automatica, 2007, 43, 993-1008.	5.0	175
11	Variable structure control for a class of nonlinear systems with mismatched uncertainties. Applied Mathematics and Computation, 2008, 200, 387-400.	2.2	10
12	The rÃ´le of control and system theory in systems biology. Annual Reviews in Control, 2008, 32, 33-47.	7.9	36
13	On the equivalence of least costly and traditional experiment design for control. Automatica, 2008, 44, 2706-2715.	5.0	37
14	Robust sliding mode observer-based actuator fault detection and isolation for a class of nonlinear systems. International Journal of Systems Science, 2008, 39, 349-359.	5.5	99
15	Modern Sliding Mode Control Theory. Lecture Notes in Control and Information Sciences, 2008, , .	1.0	118
16	Model-robust Design of Experiments for sequential identification of ODE parameters. , 2008, , .		0
17	Model selection approaches for non-linear system identification: a review. International Journal of Systems Science, 2008, 39, 925-946.	5.5	186
18	On useful redundancy in experiment design for nonlinear system identification. , 2008, , .		1
19	Model reduction and consistency in discrete event representation of biological systems. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
20	State estimation for a model of gene expression. , 2008, , .		5
21	Monitoring and Control of Process and Power Systems : Adapting to Environmental Challenges, Increasing Competitivity and Changing Customer and Consumer Demands: Status report prepared by the IFAC Coordinating committee on Process and Power Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 7160-7171.	0.4	3
22	Optimal input design for online identification: a coupled observer-MPC approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11457-11462.	0.4	3
23	Generalized Coupled Algebraic Riccati Equations for Discrete-Time Markov Jump with Multiplicative Noise Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 13480-13485.	0.4	0
24	Robust output regulation with exact unmatched uncertainties compensation based on HOSM observation. , 2009, , .		1
25	Towards STEM control: Modeling framework and development of a sensor for defocus control. , 2009, , .		6
26	Drug Delivery for Neuromuscular Blockade With Supervised Multimodel Adaptive Control. IEEE Transactions on Control Systems Technology, 2009, 17, 1237-1244.	5.2	59
27	Asymptotic Stabilization of the Inverted Equilibrium Manifold of the 3-D Pendulum Using Non-Smooth Feedback. IEEE Transactions on Automatic Control, 2009, 54, 2658-2662.	5.7	14
28	Dynamic Output Integral Sliding-Mode Control With Disturbance Attenuation. IEEE Transactions on Automatic Control, 2009, 54, 2653-2658.	5.7	85
29	Output Feedback Integral Sliding Mode Control for Uncertain Systems with Bounded L2 Performance. Journal of System Design and Dynamics, 2009, 3, 318-329.	0.3	2
30	A Scenario Based Approach to Robust Experiment Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 186-191.	0.4	17
31	Modeling and Control of a Nonlinear Dynamic Adaptive Optics System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 299-305.	0.4	0
32	Perspectives on system identification. Annual Reviews in Control, 2010, 34, 1-12.	7.9	458
33	Dynamic output feedback sliding mode control for uncertain mechanical systems without velocity measurements. ISA Transactions, 2010, 49, 229-234.	5.7	13
34	Local stability analysis of heterogeneous equilibrium patterns observed in deltaâ€notch signalling interaction (<i>Invited</i>). Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2010, 33, 347-355.	1.1	0
35	Robust cautious data driven control with guaranteed mean square stability. , 2010, , .		1
36	Stability of attractors in biological networks. , 2010, , .		0
37	Control structure and limitations of biochemical networks. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
38	Nested backward compensation of unmatched effects of unknown inputs based on HOSM identification. , 2010, , .		0
39	A New Approach to Dynamic Fuzzy Modeling of Genetic Regulatory Networks. IEEE Transactions on Nanobioscience, 2010, 9, 263-272.	3.3	21
40	Laxâ€"Hopf Based Incorporation of Internal Boundary Conditions Into Hamiltonâ€"Jacobi Equation. Part I: Theory. IEEE Transactions on Automatic Control, 2010, 55, 1142-1157.	5.7	119
41	On control-specific derivation of affine Takagi-Sugeno models from physical models: Assessment criteria and modeling procedure. , 2011, , .		7
42	Controller Design for a High-Sampling-Rate Closed-Loop Adaptive Optics System with Piezo-Driven Deformable Mirror. European Journal of Control, 2011, 17, 290-301.	2.6	18
43	Optimal Plant Friendly Input Design for System Identification. Industrial & Engineering Chemistry Research, 2011, 50, 13045-13055.	3.7	6
44	Simultaneous Updating of Model and Controller Based on Fictitious Reference Iterative Tuning. SICE Journal of Control Measurement and System Integration, 2011, 4, 63-70.	0.7	16
45	Zur regelungsorientierten Ableitung von Takagi-Sugeno-Modellen. Automatisierungstechnik, 2011, 59, 705-720.	0.8	0
46	Control-oriented model of a complex irrigation main canal pool. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2919-2924.	0.4	10
47	Information Inequality for Estimation of Transfer Functions: main results. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9959-9965.	0.4	0
48	Robust Feedback Linearization for Minimum Phase Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11151-11156.	0.4	3
49	Robust Experiment Design through Randomisation with Chance Constraints. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13197-13202.	0.4	12
50	Dynamic switching surfaces for output sliding mode control: An <mml:math altimg="si8.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	5.0	23
51	On the industrialisation of biology. AI and Society, 2011, 26, 21-33.	4.6	1
52	Neural networks in virtual reference tuning. Engineering Applications of Artificial Intelligence, 2011, 24, 983-995.	8.1	28
53	Fixedâ€order robust H_∞ control and controlâ€oriented uncertainty set shaping for systems with ellipsoidal parametric uncertainty. International Journal of Robust and Nonlinear Control, 2011, 21, 648-665.	3.7	14
54	Conditions when minimum variance control is the optimal experiment for identifying a minimum variance controller. Automatica, 2011, 47, 578-583.	5.0	13
55	Robust feedback linearization using higher order sliding mode observer. , 2011, , .		20

#	Article	IF	Citations
56	Chance constrained input design. , 2011, , .		12
57	A Chernoff relaxation on the problem of application-oriented finite sample experiment design. , 2012, , .		1
58	Robust Input Design For Resonant Systems Under Limited A Priori Information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1611-1616.	0.4	4
59	Experiment Design for Closed-loop Performance Diagnosis*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1341-1346.	0.4	1
60	Application-Oriented Finite Sample Experiment Design: A Semidefinite Relaxation Approach*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1635-1640.	0.4	7
61	Robust Experiment Design for System Identification via Semi-Infinite Programming Techniques*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 680-685.	0.4	3
62	System identification for achieving robust performance. Automatica, 2012, 48, 1975-1987.	5.0	33
63	The PID+p controller structure and its contextual autotuning. Journal of Process Control, 2012, 22, 1237-1245.	3.3	11
64	Model selection: From LTI to switched-LPV. , 2012, , .		5
65	Batch-to-batch strategies for cooling crystallization. , 2012, , .		3
66	A unified experiment design framework for detection and identification in closed-loop performance diagnosis. , 2012, , .		4
67	Identification for PID Control. Advances in Industrial Control, 2012, , 283-317.	0.5	4
68	Dynamic output feedback integral sliding mode control design for uncertain systems. International Journal of Robust and Nonlinear Control, 2012, 22, 841-857.	3.7	42
69	Design for estimation of the drift parameter in fractional diffusion systems. Statistical Inference for Stochastic Processes, 2012, 15, 133-149.	0.6	8
70	Output integral sliding mode control to stabilize position of a Stewart platform. Journal of the Franklin Institute, 2012, 349, 1526-1542.	3.4	26
71	Control-Relevant Models for Glucose Control Using A Priori Patient Characteristics. IEEE Transactions on Biomedical Engineering, 2012, 59, 1839-1849.	4.2	133
72	Unmatched uncertainties compensation based on high†order sliding mode observation. International Journal of Robust and Nonlinear Control, 2013, 23, 754-764.	3.7	42
73	Switching networked attitude control of an unmanned quadrotor. International Journal of Control, Automation and Systems, 2013, 11, 389-397.	2.7	17

#	ARTICLE	IF	CITATIONS
74	Engineering Microbial Biosensors. Methods in Microbiology, 2013, 40, 119-156.	0.8	21
75	Control theoretic properties of physiological controller motifs. , 2013, , .		8
76	Approximate loop shaping in PID parameter adaptation. International Journal of Adaptive Control and Signal Processing, 2013, 27, 136-152.	4.1	9
77	Recursive Identification of MIMO Wiener Systems. IEEE Transactions on Automatic Control, 2013, 58, 802-808.	5.7	33
78	Higher Order Sliding Mode Based Accurate Tracking of Unmatched Perturbed Outputs. Lecture Notes in Control and Information Sciences, 2013, , 117-144.	1.0	3
79	Sliding mode control design for mismatched uncertain systems using output feedback. , 2013, , .		0
80	Low-complexity MISO models of T1DM glucose metabolism. , 2013, , .		0
81	Experiment design for batch-to-batch model-based learning control. , 2013, , .		1
82	Convex relaxation of sequential optimal input design for a class of structured large-scale systems: process gain estimation. , 2013, , .		1
83	Optimal input design for non-linear dynamic systems: A graph theory approach. , 2013, , .		12
84	Robust Plant Friendly Optimal Input Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 553-558.	0.4	2
85	Robustness Analysis, Prediction and Estimation for Uncertain Biochemical Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-20.	0.4	10
87	Sliding mode observer-based actuator fault detection for a class of linear uncertain systems. , 2014, , .		4
88	Mathematical model for robust control of an irrigation main canal pool. Environmental Modelling and Software, 2014, 51, 207-220.	4.5	17
89	Robust Output LQ Optimal Control via Integral Sliding Modes. Systems and Control: Foundations and Applications, 2014, , .	0.3	43
90	Design and Implementation of Integral Sliding-Mode Control on an Underactuated Two-Wheeled Mobile Robot. IEEE Transactions on Industrial Electronics, 2014, 61, 3671-3681.	7.9	269
91	Optimal Experiment Design for Coevolutionary Active Learning. IEEE Transactions on Evolutionary Computation, 2014, 18, 394-404.	10.0	10
92	Nested backward compensation of unmatched perturbations via HOSM observation. Journal of the Franklin Institute, 2014, 351, 2397-2410.	3.4	16

#	ARTICLE	IF	CITATIONS
93	Motion Control Experiments for Identification of Actuator Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6856-6861.	0.4	0
94	A graph/particle-based method for experiment design in nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1404-1409.	0.4	6
95	Optimal Experimental Design for Probabilistic Model Discrimination Using Polynomial Chaos. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4103-4109.	0.4	18
96	Choice of model structure for controller design: A case study. IFAC-PapersOnLine, 2015, 48, 57-62.	0.9	0
97	A Nonsingular Terminal Sliding Mode Approach Using Adaptive Disturbance Observer for Finite-Time Trajectory Tracking of MEMS Triaxial Vibratory Gyroscope. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	4
98	Estimator selection: End-performance metric aspects. , 2015, , .		0
99	Identification of a non-linear dynamic model of the bubble size distribution in a pilot flotation column. International Journal of Mineral Processing, 2015, 145, 7-16.	2.6	17
100	Sliding mode control for a class of nonlinear systems with application to a wheeled mobile robot. , 2015, , .		11
101	A graph theoretical approach to input design for identification of nonlinear dynamical models. Automatica, 2015, 51, 233-242.	5.0	18
102	Static output feedback sliding mode controller design for minimum phase uncertain systems. IMA Journal of Mathematical Control and Information, 2015, 32, 485-495.	1.7	1
103	Adaptive sliding mode reliable control for switched systems with actuator degradation. IET Control Theory and Applications, 2015, 9, 1197-1204.	2.1	59
104	LMIâ€based secondâ€order sliding set design using reduced order of derivatives. International Journal of Robust and Nonlinear Control, 2015, 25, 3763-3779.	3.7	7
105	Output feedback high-gain proportional integral control for minimum phase uncertain systems. Journal of the Franklin Institute, 2015, 352, 2314-2328.	3.4	7
106	Decentralised sliding mode control for a class of nonlinear interconnected systems. , 2015, , .		1
107	Inferential Motion Control: Identification and Robust Control Framework for Positioning an Unmeasurable Point of Interest. IEEE Transactions on Control Systems Technology, 2015, 23, 1602-1610.	5.2	29
108	Comprehensive design of disturbance observer and nonâ€singular terminal sliding mode control for reusable launch vehicles. IET Control Theory and Applications, 2015, 9, 1821-1830.	2.1	36
109	Data-driven model improvement for model-based control. Automatica, 2015, 52, 118-124.	5.0	29
110	Non-singular fast terminal sliding mode control of general class of chaotic system. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
111	Decentralised sliding mode control for nonlinear interconnected systems in the regular form. , 2016, , .		2
112	Reflections on the Convergence Paradigm [President's Message]. IEEE Control Systems, 2016, 36, 8-10.	0.8	0
113	Sliding mode control design for mismatched uncertain systems using output feedback. International Journal of Control, Automation and Systems, 2016, 14, 579-586.	2.7	16
114	Robustness analysis, prediction, and estimation for uncertain biochemical networks: An overview. Journal of Process Control, 2016, 42, 14-34.	3.3	29
115	On the significance of the noise model for the performance of a linear MPC in closed-loop operation. IFAC-PapersOnLine, 2016, 49, 171-176.	0.9	9
116	Sliding-mode and back-stepping control for output tracking systems with unmatched uncertainties via a disturbance observer. , 2016, , .		0
117	On robust input design for nonlinear dynamical models. Automatica, 2017, 77, 268-278.	5.0	4
118	Sliding mode control for singular stochastic Markovian jump systems with uncertainties. Automatica, 2017, 79, 27-34.	5.0	124
119	Nonlinear sliding mode control design: An LMI approach. Systems and Control Letters, 2017, 104, 38-44.	2.3	30
120	Generalized Regular Form Based SMC for Nonlinear Systems With Application to a WMR. IEEE Transactions on Industrial Electronics, 2017, 64, 6714-6723.	7.9	27
121	Output control of MIMO system with unmatched disturbance based on high-order unknown input observer. International Journal of Control, Automation and Systems, 2017, 15, 575-584.	2.7	17
122	A Note on Recursive Schur Complements, Block Hurwitz Stability of Metzler Matrices, and Related Results. IEEE Transactions on Automatic Control, 2017, 62, 4167-4172.	5.7	9
123	A novel robust control scheme for LTV systems using output integral discrete-time synergetic control theory. European Journal of Control, 2017, 34, 39-48.	2.6	16
124	Development of a new driving impact system to be used in experimental modal analysis (EMA) under operational condition. Sensors and Actuators A: Physical, 2017, 263, 398-414.	4.1	8
125	Iterative algorithms for computing the feedback Nash equilibrium point for positive systems. International Journal of Systems Science, 2017, 48, 729-737.	5.5	5
126	Robust Dynamic Sliding Mode Control for a Class of Uncertain Multi-variable Process. Advances in Intelligent Systems and Computing, 2017, , 67-76.	0.6	0
127	Robust control design for path tracking of non-affine UAV. Systems Science and Control Engineering, 2017, 5, 474-480.	3.1	15
128	A novel fixed-time sliding mode disturbance observer for a class of nonlinear systems with unmatched disturbances. , 2017, , .		0

#	Article	IF	Citations
129	Decentralised Sliding Mode Control for Nonlinear Interconnected Systems in the Generalised Regular Form. IFAC-PapersOnLine, 2017, 50, 8850-8855.	0.9	1
130	Sufficient conditions for Nash equilibrium point in the linear quadratic game for Markov jump positive systems. IET Control Theory and Applications, 2017, 11, 2658-2667.	2.1	7
131	Optimal sliding–mode control of linear systems with uncertainties and input constraints using projection neural network. Optimal Control Applications and Methods, 2018, 39, 963-980.	2.1	7
132	Linear parameter-varying model to design control laws for an artificial pancreas. Biomedical Signal Processing and Control, 2018, 40, 204-213.	5.7	44
133	Neural network-based Hˆž sliding mode control for nonlinear systems with actuator faults and unmatched disturbances. Neurocomputing, 2018, 275, 2009-2018.	5.9	24
134	A novel adaptive sliding mode controller design for tracking problem of an AUV in the horizontal plane. International Journal of Dynamics and Control, 2019, 7, 679-689.	2.5	15
135	A resilient adaptive sliding mode observer for sensorless AC salient pole machine drives based on an improved HF injection method. Control Engineering Practice, 2019, 93, 104163.	5.5	7
136	Adaptive output regulation for linear systems via discrete-time identifiers. Automatica, 2019, 105, 422-432.	5.0	20
137	Neural dynamic sliding mode control of nonlinear systems with both matched and mismatched uncertainties. Journal of the Franklin Institute, 2019, 356, 4577-4600.	3.4	12
138	Closed-loop Model Selection for Kernel-based Models using Bayesian Optimization. , 2019, , .		2
139	Risk assessment and route optimization for life and health self-keeping during e-cycling. AIP Conference Proceedings, 2019, , .	0.4	0
140	Observer Based Control for Systems with Mismatched Uncertainties in Output Matrix. Lecture Notes in Electrical Engineering, 2020, , 561-568.	0.4	0
141	Adaptative design for estimation of parameter of second order differential equation in fractional diffusion system. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123544.	2.6	1
142	Variable structure control for mismatched uncertain systems using output variables with finite-time convergence. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2020, 43, 467-476.	1.1	1
143	Optimal dynamic operation of natural gas combined cycles accounting for stresses in thick-walled components. Applied Thermal Engineering, 2020, 170, 114858.	6.0	16
144	Optimal control of flexible natural gas combined cycles with stress monitoring: Linear vs nonlinear model predictive control. Applied Energy, 2020, 265, 114820.	10.1	23
145	LPV system identification for control using the local approach. International Journal of Control, 2021, 94, 390-410.	1.9	2
146	Modeling, identification and minimum length integral sliding mode control of a 3-DOF cartesian parallel robot by considering virtual flexible links. Mechanism and Machine Theory, 2021, 157, 104183.	4.5	11

#	ARTICLE	IF	CITATIONS
147	Extended State Observer-Based Nonlinear Terminal Sliding Mode Control With Feedforward Compensation for Lower Extremity Exoskeleton. IEEE Access, 2022, 10, 8643-8652.	4.2	8
149	Circumventing the Relative Degree Condition in Sliding Mode Design. , 2008, , 137-158.		11
150	Identification of Hammerstein Systems using Trigonometric Polynomials. Transactions of the Institute of Systems Control and Information Engineers, 2009, 22, 13-20.	0.1	1
151	Decentralised state feedback stabilisation for nonlinear interconnected systems using sliding mode control*. International Journal of Systems Science, 2022, 53, 1017-1030.	5.5	5
152	Control-oriented correlation analysis identification for servo systems with friction. Journal of Electronic Measurement and Instrument, 2010, 24, 814-818.	0.1	1
153	Decentralised Sliding Mode Control for Nonlinear Interconnected Systems with Application to a Continuously Stirred Tank Reactor. Studies in Systems, Decision and Control, 2015, , 37-55.	1.0	1
154	Observer-Based Output Feedback Control Design for Mismatched Uncertain Systems. Lecture Notes in Electrical Engineering, 2016, , 553-561.	0.4	0
155	Delays in Distributed Estimation and Control over Communication Networks. Advances in Delays and Dynamics, 2016, , 199-216.	0.4	1
157	Decentralised Sliding Mode Control for Nonlinear Interconnected Systems with Unknown Interconnections. IFAC-PapersOnLine, 2020, 53, 4064-4069.	0.9	0
158	Sliding Mode Control of Nonlinear Systems With Input Distribution Uncertainties. IEEE Transactions on Automatic Control, 2023, 68, 6208-6215.	5.7	2