

Antonella Ferrara

List of Publications by Year in descending order

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386
papers

10,794
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41344

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6440
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Step Asynchronous Iterative Formation Control for Heterogeneous Vehicles in Highway Scenarios. IEEE Transactions on Intelligent Vehicles, 2023, 8, 3119-3128.	12.7	1
2	Sliding Mode Observer-Based Finite Time Control Scheme for Frequency Regulation and Economic Dispatch in Power Grids. IEEE Transactions on Control Systems Technology, 2022, 30, 1296-1303.	5.2	7
3	Adaptive Control of Multivariable Networked Systems With Uncertain Time Delays. IEEE Transactions on Automatic Control, 2022, 67, 489-496.	5.7	18
4	Sliding Mode Optimization in Robot Dynamics With LPV Controller Design. , 2022, 6, 1760-1765.		4
5	Robust Multi-Model Predictive Control via Integral Sliding Modes. , 2022, 6, 2623-2628.		4
6	Traffic-Prediction-Based Optimal Control of Electric and Autonomous Buses. , 2022, 6, 3331-3336.		3
7	Neural Network-Based Practical/Ideal Integral Sliding Mode Control. , 2022, 6, 3140-3145.		9
8	Finite-Time Output Parameter Estimation for a Class of Nonlinear Systems. , 2022, 6, 3253-3258.		3
9	A Decentralized Higher Order Sliding Mode Control for Islanded Photovoltaic-Storage Systems. Energy, 2022, 255, 124502.	8.8	9
10	Predefined-Time Output Stabilization With Second Order Sliding Mode Generation. IEEE Transactions on Automatic Control, 2021, 66, 1445-1451.	5.7	26
11	A General Framework for Switched and Variable Gain Higher Order Sliding Mode Control. IEEE Transactions on Automatic Control, 2021, 66, 1718-1724.	5.7	23
12	Vehicle state and tyre force estimation: demonstrations and guidelines. Vehicle System Dynamics, 2021, 59, 675-702.	3.7	56
13	Self-Configuring Robot Path Planning With Obstacle Avoidance via Deep Reinforcement Learning. , 2021, 5, 397-402.		61
14	Traffic Control Via Platoons of Intelligent Vehicles for Saving Fuel Consumption in Freeway Systems. , 2021, 5, 593-598.		23
15	Constrained Nonlinear Discrete-Time Sliding Mode Control Based on a Receding Horizon Approach. IEEE Transactions on Automatic Control, 2021, 66, 3802-3809.	5.7	25
16	Hierarchical Centralized/Decentralized Event-Triggered Control of Multiclass Traffic Networks. IEEE Transactions on Control Systems Technology, 2021, 29, 1549-1564.	5.2	12
17	Experimental Assessment of Deep Reinforcement Learning for Robot Obstacle Avoidance: A LPV Control Perspective. IFAC-PapersOnLine, 2021, 54, 89-94.	0.9	4
18	A hierarchical MPC and sliding mode based two-level control for freeway traffic systems with partial demand information. European Journal of Control, 2021, 59, 152-164.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Deep Reinforcement Learning of Robotic Prosthesis for Gait Symmetry in Trans-Femoral Amputated Patients. , 2021, , .		5
20	Adaptive dual-layer super-twisting sliding mode observers to reconstruct and mitigate disturbances and communication attacks in power networks. Automatica, 2021, 129, 109656.	5.0	16
21	A Survey on Event-Triggered Sliding Mode Control. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 206-217.	3.9	37
22	Freeway traffic control: A survey. Automatica, 2021, 130, 109655.	5.0	43
23	An Iterative Data-Driven Linear Quadratic Method to Solve Nonlinear Discrete-Time Tracking Problems. IEEE Transactions on Automatic Control, 2021, 66, 5514-5521.	5.7	7
24	Sliding Modes in Consensus Control. Studies in Systems, Decision and Control, 2021, , 181-202.	1.0	0
25	Enhanced Variable-Gain Sliding Mode Control for Robot Manipulators. , 2021, , .		0
26	A Configuration Space Reference Generation Approach for Real-Time Collision Avoidance of Industrial Robot Manipulators. , 2021, , .		1
27	Scenario-Based Collision Avoidance Control with Deep Q-Networks for Industrial Robot Manipulators. , 2021, , .		0
28	Centralized and Decentralized Schemes for Platoon Control in Freeway Traffic Systems. , 2021, , .		3
29	Design and Validation of a Distributed Observer-Based Estimation Scheme for Power Grids. IEEE Transactions on Control Systems Technology, 2020, 28, 680-687.	5.2	10
30	Robust load frequency control of nonlinear power networks. International Journal of Control, 2020, 93, 346-359.	1.9	29
31	Event-triggered variable structure control. International Journal of Control, 2020, 93, 252-260.	1.9	37
32	Higher Order Sliding Mode Observers in Power Grids With Traditional and Renewable Sources. , 2020, 4, 223-228.		16
33	Automatic identification of the relative degree of nonlinear systems: Application to sliding mode control design and experimental assessment. Control Engineering Practice, 2020, 94, 104207.	5.5	10
34	Balancing-Aware Charging Strategy for Series-Connected Lithium-Ion Cells: A Nonlinear Model Predictive Control Approach. IEEE Transactions on Control Systems Technology, 2020, 28, 1862-1877.	5.2	22
35	Controller and Observer Design using Vector Framework with Simplified Contraction Analysis. , 2020, , .		0
36	A Macroscopic Model for Platooning in Highway Traffic. SIAM Journal on Applied Mathematics, 2020, 80, 639-656.	1.8	9

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37	Constrained Sliding-Mode Control: A Survey. <i>Studies in Systems, Decision and Control</i> , 2020, , 149-175.	1.0	5
38	Decentralised Model Predictive Control with Integral Sliding Mode for Frequency Regulation in Power Grids. , 2020, , .		0
39	Traffic control for the improvement of sustainability in freeway networks: a bibliometric analysis. <i>IFAC-PapersOnLine</i> , 2020, 53, 17505-17510.	0.9	1
40	Search-Based Motion Planning for Performance Autonomous Driving. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 1144-1154.	0.4	1
41	Sliding Mode Fault Diagnosis with Vision in the Loop for Robot Manipulators. <i>Studies in Systems, Decision and Control</i> , 2020, , 81-105.	1.0	2
42	Local and Wide-Area Sliding-Mode Observers in Power Systems. <i>Studies in Systems, Decision and Control</i> , 2020, , 359-391.	1.0	1
43	A Novel Formation Creation Algorithm for Heterogeneous Vehicles in Highway Scenarios: Assessment and Experimental Validation. <i>IFAC-PapersOnLine</i> , 2020, 53, 15300-15305.	0.9	1
44	A Robust Consensus Algorithm for Current Sharing and Voltage Regulation in DC Microgrids. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 1583-1595.	5.2	119
45	Passivity-Based Design of Sliding Modes for Optimal Load Frequency Control. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 1893-1906.	5.2	42
46	Traffic control for freeway networks with sustainability-related objectives: Review and future challenges. <i>Annual Reviews in Control</i> , 2019, 48, 312-324.	7.9	26
47	Switched adaptation strategies for integral sliding mode control: Theory and application. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 6064-6080.	3.7	2
48	Tracking control via switched Integral Sliding Mode with application to robot manipulators. <i>Control Engineering Practice</i> , 2019, 90, 257-266.	5.5	27
49	Variable Gains Decentralized Super-Twisting Sliding Mode Controllers for Large-Scale Modular Systems. , 2019, , .		3
50	Multiple Moving Bottlenecks for Traffic Control in Freeway Systems. , 2019, , .		14
51	A Sliding-Mode Virtual Sensor for Wheel Forces Estimation With Accuracy Enhancement via EKF. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 3457-3471.	6.3	24
52	Decentralized Model Predictive Control of Freeway Traffic Systems over Lossy Communication Networks. , 2019, , .		2
53	VACS equipped vehicles for congestion dissipation in multi-class CTM framework. , 2019, , .		12
54	Highway Traffic Control with Moving Bottlenecks of Connected and Automated Vehicles for Travel Time Reduction. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
55	Discrete-time Model Reference Adaptive Sliding Mode Control for Systems in State-Space Representation. , 2019, , .		2
56	A Path Tracking Approach for Autonomous Driving on Slippery Surfaces. , 2019, , .		0
57	Robustified Distributed Model Predictive Control for Coherence and Energy Efficiency-Aware Platooning. , 2019, , .		9
58	Trailer control through vehicle yaw moment control: Theoretical analysis and experimental assessment. Mechatronics, 2019, 64, 102282.	3.3	19
59	Fault Diagnosis for Robot Manipulators via Vision Servoing Based Suboptimal Second Order Sliding Mode. , 2019, , .		2
60	Fuzzy scheduling of robust controllers for islanded DC microgrids applications. International Journal of Dynamics and Control, 2019, 7, 690-700.	2.5	9
61	Optimization-based adaptive sliding mode control with application to vehicle dynamics control. International Journal of Robust and Nonlinear Control, 2019, 29, 550-564.	3.7	32
62	Integral Second-Order Sliding Modes for Robust Prescribed-Time Leader-Follower Consensus Control with Partial Information. , 2019, , .		8
63	Second-Order Macroscopic Traffic Models. Advances in Industrial Control, 2018, , 85-111.	0.5	5
64	Freeway Traffic Modelling and Control. Advances in Industrial Control, 2018, , .	0.5	53
65	State Estimation in Freeway Traffic Systems. Advances in Industrial Control, 2018, , 169-190.	0.5	6
66	An Overview of Traffic Control Schemes for Freeway Systems. Advances in Industrial Control, 2018, , 193-234.	0.5	13
67	Implementation-Oriented Freeway Traffic Control Strategies. Advances in Industrial Control, 2018, , 235-267.	0.5	1
68	Freeway Traffic Systems. Advances in Industrial Control, 2018, , 3-23.	0.5	2
69	First-Order Macroscopic Traffic Models. Advances in Industrial Control, 2018, , 47-84.	0.5	3
70	Sliding mode voltage control of boost converters in DC microgrids. Control Engineering Practice, 2018, 73, 161-170.	5.5	75
71	Practical second order sliding modes in single-loop networked control of nonlinear systems. Automatica, 2018, 89, 235-240.	5.0	46
72	Event-Triggered Sliding Mode Control Strategies for a Class of Nonlinear Uncertain Systems. , 2018, , 397-425.		13

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73	Discrete Time Sliding Mode Control Strategies for Buffered Networked Systems. , 2018, , .		14
74	Cooperative Voltage Control in AC Microgrids. , 2018, , .		11
75	Decentralized Integral Sliding Mode Approach for Frequency Control and Unknown Demand Reconstruction in Power Systems. , 2018, , .		0
76	Deep Reinforcement Learning Based Self-Configuring Integral Sliding Mode Control Scheme for Robot Manipulators. , 2018, , .		5
77	A Discrete-Time Optimization-Based Sliding Mode Control Law for Linear Systems with Input and State Constraints. , 2018, , .		2
78	Traffic control via moving bottleneck of coordinated vehicles. IFAC-PapersOnLine, 2018, 51, 13-18.	0.9	43
79	Development of Multi-Actuated Ground Vehicles: Educational aspects. IFAC-PapersOnLine, 2018, 51, 236-242.	0.9	2
80	A multi-rate ISM approach for robust vehicle stability control during cornering. IFAC-PapersOnLine, 2018, 51, 249-254.	0.9	5
81	A multi-class decentralised event-triggered control framework for congestion and emission reduction in freeway networks. IFAC-PapersOnLine, 2018, 51, 291-298.	0.9	2
82	Distributed Super-Twisting Sliding Mode Observers for Fault Reconstruction and Mitigation in Power Networks. , 2018, , .		6
83	Robust Current Decoupling in a Permanent Magnet Motor Combining a Geometric Method and SMC. , 2018, , .		3
84	A variable-length Cell Transmission Model for road traffic systems. Transportation Research Part C: Emerging Technologies, 2018, 97, 428-455.	7.6	21
85	A Super-Twisting-Like Sliding Mode Observer for Frequency Reconstruction in Power Systems: Discussion and Real Data Based Assessment. , 2018, , .		2
86	A new Micro-Macro METANET model for platoon control in freeway traffic networks. , 2018, , .		13
87	Deep Reinforcement Learning for Collision Avoidance of Robotic Manipulators. , 2018, , .		48
88	Robust voltage regulation of boost converters in DC microgrids. , 2018, , .		1
89	Sliding mode observers for a network of thermal and hydroelectric power plants. Automatica, 2018, 98, 51-57.	5.0	19
90	Relative Degree Identification for Sliding Mode Controllers Design. , 2018, , .		1

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91	Linearization-Based Integral Sliding Mode Control for a Class of Constrained Nonlinear Systems. , 2018, , .		4
92	Integral Sliding Mode Based Switched Structure Control Scheme for Robot Manipulators. , 2018, , .		2
93	Sliding Mode Based Dynamic State Estimation for Synchronous Generators in Power Systems. , 2018, 2, 785-790.		8
94	Emerging Freeway Traffic Control Strategies. Advances in Industrial Control, 2018, , 293-311.	0.5	1
95	Emission Models for Freeway Traffic Systems. Advances in Industrial Control, 2018, , 145-167.	0.5	2
96	Sliding Modes for Voltage Regulation and Current Sharing in DC Microgrids. , 2018, , .		11
97	On the feedback control of hitch angle through torque-vectoring. , 2018, , .		2
98	Microscopic and Mesoscopic Traffic Models. Advances in Industrial Control, 2018, , 113-143.	0.5	5
99	Application of wireless sensor networks to environmental monitoring for sustainable mobility. , 2018, , .		17
100	Sliding Modes Control in Vehicle Longitudinal Dynamics Control. Studies in Systems, Decision and Control, 2018, , 357-383.	1.0	6
101	Control Strategies for Sustainable Mobility in Freeways. Advances in Industrial Control, 2018, , 269-291.	0.5	2
102	Asynchronous Networked MPC With ISM for Uncertain Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 4305-4317.	5.7	64
103	MPC for Robot Manipulators With Integral Sliding Modes Generation. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1299-1307.	5.8	116
104	Decentralized Sliding Mode Control of Islanded AC Microgrids With Arbitrary Topology. IEEE Transactions on Industrial Electronics, 2017, 64, 6706-6713.	7.9	77
105	Third Order Sliding Mode Observer-Based Approach for Distributed Optimal Load Frequency Control. , 2017, 1, 215-220.		33
106	MPC with Sliding Mode Control for the Energy Management System of Microgrids * *Corresponding author: G.P. Incremona, Dipartimento di Ingegneria Civile e Architettura, University of Pavia, Via Ferrata 3, 27100 Pavia, Italy. IFAC-PapersOnLine, 2017, 50, 7397-7402.	0.9	9
107	Second order sliding mode control for nonlinear affine systems with quantized uncertainty. Automatica, 2017, 86, 46-52.	5.0	18
108	Distributed observers for state estimation in power grids. , 2017, , .		12

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109	Model predictive control with state estimation for freeway systems. , 2017, , .		5
110	Sliding mode control algorithms for wheel slip control of road vehicles. , 2017, , .		13
111	Decentralized Sliding Mode voltage control in DC microgrids. , 2017, , .		25
112	Distributed Second Order Sliding Modes for Optimal Load Frequency Control. , 2017, , .		18
113	Switched Integral Suboptimal Second-Order Sliding Mode Control. , 2017, , .		1
114	Sliding Mode Control of Constrained Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 2965-2972.	5.7	164
115	Model predictive control and sliding mode control for current sharing in microgrids. , 2017, , .		2
116	Wheel forces estimation via adaptive sub-optimal second order sliding mode observers. , 2017, , .		3
117	An energy function based design of second order sliding modes for Automatic Generation Control [*] [*] This work is partially supported by the Danish Council for Strategic Research (contract no. 11-116843) within the "Programme Sustainable Energy and Environment"™, under the "EDGE"™ (Efficient Distribution) of ETQ141.07843 IFAC-PapersOnLine, 2017, 50, 11613-11618.	0.9	12
118	SVM Classification and Kalman Filter Based Estimation of the Tire-Road Friction Curve. IFAC-PapersOnLine, 2017, 50, 3382-3387.	0.9	12
119	Congestion and Emissions Reduction in Freeway Traffic Networks via Supervisory Event-triggered Control. IFAC-PapersOnLine, 2017, 50, 4240-4245.	0.9	7
120	Second-order sliding mode observers for fault reconstruction in power networks. IET Control Theory and Applications, 2017, 11, 2772-2782.	2.1	26
121	Supervisory multi-class event-triggered control for congestion and emissions reduction in freeways. , 2017, , .		5
122	Towards networked sliding mode control. , 2017, , .		6
123	Higher order sliding mode observers and nonlinear algebraic estimators for state tracking in power networks. , 2017, , .		8
124	Longitudinal vehicle dynamics control via sliding modes generation. , 2017, , 33-76.		5
125	Design of networked freeway traffic controllers based on event-triggered control concepts. International Journal of Robust and Nonlinear Control, 2016, 26, 1162-1183.	3.7	22
126	Adaptive model-based event-triggered sliding mode control. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1298-1316.	4.1	26

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127	A Variable-Length cell road traffic model: Application to ring road speed limit optimization. , 2016, , .		8
128	Switched observer-based ramp metering controllers for freeway systems. , 2016, , .		7
129	Sliding mode control for Maximum Power Point Tracking of photovoltaic inverters in microgrids. , 2016, , .		5
130	Event-triggered second order sliding mode control of nonlinear uncertain systems. , 2016, , .		20
131	Experimental evaluation of nonlinear unknown input observers applied to an EPS system. , 2016, , .		4
132	Switched third-order sliding mode control. , 2016, , .		3
133	Editorial for the Special Issue on recent trends in traffic modelling and control. International Journal of Robust and Nonlinear Control, 2016, 26, 1159-1161.	3.7	1
134	Event-Triggered Sliding Mode Control algorithms for a class of uncertain nonlinear systems: experimental assessment. , 2016, , .		15
135	Sliding mode control for LPV systems. , 2016, , .		2
136	CSS Women in Control Luncheon at the 2015 CDC [Member Activities]. IEEE Control Systems, 2016, 36, 14-16.	0.8	0
137	Switched/time-based adaptation for second-order sliding mode control. Automatica, 2016, 64, 126-132.	5.0	51
138	Adaptive suboptimal second-order sliding mode control for microgrids. International Journal of Control, 2016, 89, 1849-1867.	1.9	74
139	Hierarchical Model Predictive/Sliding Mode Control of Nonlinear Constrained Uncertain Systems. IFAC-PapersOnLine, 2015, 48, 102-109.	0.9	22
140	A switched ramp-metering controller for freeway traffic systems. IFAC-PapersOnLine, 2015, 48, 105-110.	0.9	5
141	Trajectory tracking of mechanical systems with unilateral constraints: Experimental results of a recently introduced hybrid PD feedback controller. , 2015, , .		9
142	Design of an Integral Suboptimal Second-Order Sliding Mode Controller for the Robust Motion Control of Robot Manipulators. IEEE Transactions on Control Systems Technology, 2015, 23, 2316-2325.	5.2	163
143	Event-triggered model predictive schemes for freeway traffic control. Transportation Research Part C: Emerging Technologies, 2015, 58, 554-567.	7.6	55
144	Freeways as Systems of Systems: A Distributed Model Predictive Control Scheme. IEEE Systems Journal, 2015, 9, 312-323.	4.6	37

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145	Distributed consensus-based switched observers for freeway traffic density estimation. , 2015, , .		8
146	Load alteration fault detection and reconstruction in power networks modelled in semi-explicit differential algebraic equation form. , 2015, , .		2
147	Third order sliding mode voltage control in microgrids. , 2015, , .		9
148	A Model Predictive Control scheme for freeway traffic systems based on the Classification And Regression Trees methodology. , 2015, , .		9
149	Model-based event-triggered control for freeway traffic systems. , 2015, , .		4
150	A Supervisory Sliding Mode Control Approach for Cooperative Robotic System of Systems. IEEE Systems Journal, 2015, 9, 263-272.	4.6	43
151	Design of Robust Higher Order Sliding Mode Control for Microgrids. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 393-401.	3.6	80
152	Master-slave second order sliding mode control for microgrids. , 2015, , .		15
153	Bayesian Estimation of the Aortic Stiffness based on Non-invasive Computed Tomography Images. Springer Proceedings in Mathematics and Statistics, 2015, , 133-142.	0.2	0
154	The boost transistor: A field plate controlled LDMOST. , 2015, , .		7
155	Accelerated resistance degradation in aluminum by pulsed power cycling. , 2015, , .		5
156	Integral Sliding Mode for the Torque-Vectoring Control of Fully Electric Vehicles: Theoretical Design and Experimental Assessment. IEEE Transactions on Vehicular Technology, 2015, 64, 1701-1715.	6.3	105
157	Multirate sliding mode disturbance compensation for model predictive control. International Journal of Robust and Nonlinear Control, 2015, 25, 2984-3003.	3.7	25
158	Dynamic Sliding Mode Control Design Based on an Integral Manifold for Nonlinear Uncertain Systems. Journal of Nonlinear Dynamics, 2014, 2014, 1-10.	0.2	6
159	Distributed Model Predictive Control for MLD systems: Application to freeway ramp metering. , 2014, , .		3
160	Switched sliding mode control strategy for networked systems. , 2014, , .		1
161	Time-varying triggering conditions for the robust control of freeway systems. , 2014, , .		4
162	Model-based event-triggered robust MPC/ISM. , 2014, , .		32

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163	Event-triggered strategies for the networked control of freeway traffic systems. , 2014, , .		8
164	Effects of freeze-dried red wine on cardiac function and ECG of the Langendorff-perfused rat heart. Canadian Journal of Physiology and Pharmacology, 2014, 92, 171-174.	1.4	14
165	Simulation-based assessment of natural robustness of freeway traffic systems controlled via MPC. , 2014, , .		2
166	How Constitutive Model Complexity can Affect the Capability to Fit Experimental Data: a Focus on Human Carotid Arteries and Extension/Inflation Data. Archives of Computational Methods in Engineering, 2014, 21, 273-292.	10.2	12
167	Patient-specific simulation of a stentless aortic valve implant: the impact of fibres on leaflet performance. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 277-285.	1.6	33
168	Torque-vectoring control in fully electric vehicles via integral sliding modes. , 2014, , .		9
169	Hierarchical control of overactuated vehicles via sliding mode techniques. , 2014, , .		2
170	Third order Sliding Mode Control with box state constraints. , 2014, , .		8
171	Networked Sliding Mode Control with chattering alleviation. , 2014, , .		12
172	Switched Second Order Sliding Mode Control with Partial Information: Theory and Application. Asian Journal of Control, 2013, 15, 20-30.	3.0	13
173	Enhancing Robustness and Performance via Switched Second Order Sliding Mode Control. IEEE Transactions on Automatic Control, 2013, 58, 962-974.	5.7	35
174	Obstacle Modelling Oriented to Safe Motion Planning and Control for Planar Rigid Robot Manipulators. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 71, 159-178.	3.4	7
175	Robust motion control of a robot manipulator via Integral Suboptimal Second Order Sliding Modes. , 2013, , .		6
176	Supervisory Model Predictive Control for freeway traffic systems. , 2013, , .		7
177	Design optimization of field-plate assisted RESURF devices. , 2013, , .		11
178	Improving continuous approximation of Sliding Mode Control. , 2013, , .		2
179	Adaptive networked model predictive control of freeway traffic systems. , 2013, , .		2
180	Combined switched/time-based adaptation in second order sliding mode control. , 2013, , .		13

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181	Patient-specific finite element analysis of carotid artery stenting: a focus on vessel modeling. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 645-664.	2.1	37
182	A robust MPC/ISM hierarchical multi-loop control scheme for robot manipulators. , 2013, , .		16
183	Event-Based Control of Freeway Systems. , 2013, , .		3
184	Wheel slip control of road vehicles via switched second order sliding modes. International Journal of Vehicle Design, 2013, 62, 231.	0.3	3
185	Networked model predictive traffic control with time varying optimization horizon: The Grenoble South Ring case study. , 2013, , .		6
186	Case-study based performance assessment of an event-triggered MPC scheme for freeway systems. , 2013, , .		5
187	Distributed identification of the Cell Transmission traffic model: A case study. , 2012, , .		5
188	Platooning control of autonomous nonholonomic mobile robots in a human-robot coexisting environment. , 2012, , .		3
189	Time-based switched sliding mode control for yaw rate regulation in two-wheeled vehicles. , 2012, , .		7
190	An event-triggered Model Predictive Control scheme for freeway systems. , 2012, , .		26
191	Manipulator Fault Diagnosis via Higher Order Sliding-Mode Observers. IEEE Transactions on Industrial Electronics, 2012, 59, 3979-3986.	7.9	126
192	Freeway networks as Systems of Systems: An event-triggered distributed control scheme. , 2012, , .		13
193	Comparison and critical analysis of invariant-based models with respect to their ability in fitting human aortic valve data. Annals of Solid and Structural Mechanics, 2012, 4, 1-14.	0.5	22
194	Combined vehicle velocity and tire-road friction estimation via sliding mode observers. , 2012, , .		23
195	A switched second-order sliding mode control algorithm for non-affine systems with saturations. , 2012, , .		2
196	Modeling and control of an airbrake electro-hydraulic smart actuator. Asian Journal of Control, 2012, 14, 1159-1170.	3.0	10
197	Sliding mode optimal control for linear systems. Journal of the Franklin Institute, 2012, 349, 1350-1363.	3.4	30
198	Trajectory Planning and Second-Order Sliding Mode Motion/Interaction Control for Robot Manipulators in Unknown Environments. IEEE Transactions on Industrial Electronics, 2012, 59, 3189-3198.	7.9	105

#	ARTICLE	IF	CITATIONS
199	The escape fraction of ionizing photons from high-redshift galaxies from data-constrained reionization models. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 428, L1-L5.	3.3	80
200	Active braking control for two-wheeled vehicles via switched second order sliding modes. , 2011, , .		7
201	Sliding mode observers for sensorless control of current-fed induction motors. , 2011, , .		8
202	Robust Model Predictive Control With Integral Sliding Mode in Continuous-Time Sampled-Data Nonlinear Systems. IEEE Transactions on Automatic Control, 2011, 56, 556-570.	5.7	156
203	MIMO Closed Loop Identification of an Industrial Robot. IEEE Transactions on Control Systems Technology, 2011, 19, 1214-1224.	5.2	81
204	Integral Sliding Mode Control for Nonlinear Systems With Matched and Unmatched Perturbations. IEEE Transactions on Automatic Control, 2011, 56, 2699-2704.	5.7	229
205	Second-order Sliding Mode Control with Adaptive Control Authority for the Tracking Control of Robotic Manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10319-10324.	0.4	11
206	Temperature estimation of cooking vessel content via EKF and sliding mode observers in induction cooking systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4350-4355.	0.4	1
207	Enhanced Switched Second Order SM Control for Active Braking in Two-wheeled Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11919-11924.	0.4	0
208	Time-optimal sliding-mode control of a mobile robot in a dynamic environment. IET Control Theory and Applications, 2011, 5, 1916-1924.	2.1	39
209	Second Order Sliding Modes to Control and Supervise Industrial Robot Manipulators. Lecture Notes in Control and Information Sciences, 2011, , 541-567.	1.0	6
210	Switched second order sliding mode control with partial information. , 2011, , .		2
211	A Nonlinear Model Predictive Control Scheme with Multirate Integral Sliding Mode *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 232-237.	0.4	2
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