

Piotr LeÅńniewski

List of Publications by Year in descending order

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43
papers

365
citations

1478280

6
h-index

839398

18
g-index

46
all docs

46
docs citations

46
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	New Switching and Nonswitching Type Reaching Laws for SMC of Discrete Time Systems. IEEE Transactions on Control Systems Technology, 2016, 24, 670-677.	3.2	119
2	Reaching Law Approach to the Sliding Mode Control of Periodic Review Inventory Systems. IEEE Transactions on Automation Science and Engineering, 2014, 11, 810-817.	3.4	101
3	Reaching law-based sliding mode congestion control for communication networks. IET Control Theory and Applications, 2014, 8, 1914-1920.	1.2	46
4	Constraining State Variables and Control Signal via Sliding Mode Control Approach. IEEE Access, 2020, 8, 111475-111481.	2.6	9
5	An optimal sliding mode congestion controller for connection-oriented communication networks with lossy links. International Journal of Applied Mathematics and Computer Science, 2014, 24, 87-97.	1.5	9
6	A new reaching law based sliding mode flow controller for connection-oriented data transmission networks. , 2014, , .		8
7	Hyperbolic tangent based switching reaching law for discrete time sliding mode control of dynamical systems. , 2015, , .		8
8	LQ Optimal Sliding Mode Control of Periodic Review Perishable Inventories with Transportation Losses. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	7
9	Inverse tangent based switching type reaching law for discrete time sliding mode control systems. , 2015, , .		6
10	Sliding Mode Control with Minimization of the Regulation Time in the Presence of Control Signal and Velocity Constraints. Energies, 2021, 14, 2887.	1.6	5
11	New reaching law for quasi-sliding mode control of discrete time systems. , 2013, , .		4
12	Discrete time reaching law based sliding mode control: a survey. , 2018, , .		4
13	Optimal Model Reference Sliding Mode Control of Perishable Inventory Systems. IEEE Transactions on Automation Science and Engineering, 2020, , 1-10.	3.4	4
14	Discrete time sliding mode inventory management — Hyperbolic tangent reaching law based approach. , 2014, , .		3
15	LQ Optimal Control of Periodic Review Perishable Inventories with Transportation Losses. Advances in Intelligent Systems and Computing, 2014, , 45-55.	0.5	3
16	Discrete Time Sliding Mode Flow Controllers for Connection-Oriented Networks with Lossy Links. Cybernetics and Information Technologies, 2013, 13, 107-121.	0.4	3
17	Variable structure flow controller for connection-oriented communication networks. , 2013, , .		2
18	Inverse tangent reaching law for discrete sliding mode control with application to inventory management. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	Sliding mode control with time-varying sliding hyperplanes: A survey. , 2017, , .		2
20	A new reaching law based DSMC for inventory management systems. , 2017, , .		2
21	Discrete time sliding mode control in the presence of state and control signal constraints. , 2019, , .		2
22	<scp>Reference</scp> model based discrete time sliding mode control of communication networks. International Journal of Adaptive Control and Signal Processing, 2020, 34, 1739-1750.	2.3	2
23	Reaching Law Based Sliding Mode Control of Sampled Time Systems. Energies, 2021, 14, 1882.	1.6	2
24	Reference Trajectory Based SMC of DCDC Buck Converter. Advances in Intelligent Systems and Computing, 2020, , 161-170.	0.5	2
25	Constraining State Variables in Continuous Time Sliding Mode Control. Advances in Intelligent Systems and Computing, 2020, , 107-114.	0.5	2
26	Sliding Mode Control With Limits on the Control Signal and Linear State Combinations. IEEE Access, 2022, 10, 36200-36207.	2.6	2
27	Linear quadratic optimal congestion control strategy for connection-oriented networks with lossy links. , 2013, , .		1
28	Application of higher relative degree sliding variables for congestion control in communication networks. , 2017, , .		1
29	Sliding Mode Control of Discrete Time Dynamical Systems with State Constraints. Advances in Intelligent Systems and Computing, 2017, , 4-13.	0.5	1
30	Review of Discrete Time Sliding Mode Reaching Laws. , 2019, 23, 17-25.	0.1	1
31	IAE Minimization in Sliding Mode Control With Input and Velocity Constraints. IEEE Access, 2022, 10, 28631-28641.	2.6	1
32	Robust flow controller for a single virtual circuit in connection-oriented networks with lossy links. , 2012, , .		0
33	Sliding mode congestion control for a single virtual circuit in connection-oriented networks with lossy links. , 2012, , .		0
34	Refined reaching laws for sliding mode control of discrete time systems. , 2013, , .		0
35	Non-switching type reaching law with application to congestion control in connection-oriented communication networks. , 2014, , .		0
36	A general switching type reaching law for discrete time sliding mode control systems. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Discrete time switching reaching law design for an arbitrary order sliding variable. , 2017, , .		0
38	State and Control Input Limitations in Sliding Mode Control with System Uncertainties. Lecture Notes in Networks and Systems, 2021, , 61-70.	0.5	0
39	Robust Congestion Controller for a Single Virtual Circuit in Connection-Oriented Communication Networks. Mathematical Engineering, 2016, , 31-52.	0.1	0
40	Sliding Mode Data Flow Regulation for Connection-Oriented Networks with Unpredictable Packet Loss Ratio. Mathematics in Industry, 2016, , 675-682.	0.1	0
41	Sterowanie Ålizgowe przetwornicy DC-DC ze sÅ,abo tÅ,umionym filtrem wejÅciowym LC. PrzeglÅd Elektrotechniczny, 2018, 1, 108-112.	0.1	0
42	Reference Model Based SMC of an Inventory System. , 2020, , .		0
43	State and Control Signal Restrictions in the Sliding Mode Control Approach. , 2020, , .		0