Boban Veselic

List of Publications by Year
in descending order

28 papers	368 citations	1163117 8 h-index	888059 17 g-index
28 all docs	28 docs citations	28 times ranked	325 citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Discrete-Time Sliding-Mode Position Control Using Euler Velocity Estimation. IEEE Transactions on Industrial Electronics, 2010, 57, 3840-3847.	7.9	96
2	High-Performance Position Control of Induction Motor Using Discrete-Time Sliding-Mode Control. IEEE Transactions on Industrial Electronics, 2008, 55, 3809-3817.	7.9	77
3	Discrete-Time Velocity Servo System Design Using Sliding Mode Control Approach With Disturbance Compensation. IEEE Transactions on Industrial Informatics, 2013, 9, 920-927.	11.3	54
4	A new design of servomechanisms with digital sliding mode. Electrical Engineering, 2007, 89, 233-244.	2.0	22
5	Comprehensive Approach to Sliding Mode Design and Analysis in Linear Systems. Lecture Notes in Control and Information Sciences, 2013, , 1-19.	1.0	15
6	High-performance discrete-time chattering-free sliding mode-based speed control of induction motor. Electrical Engineering, 2017, 99, 583-593.	2.0	15
7	Disturbance compensation in digital sliding mode. , 2011, , .		14
8	Sliding manifold design for linear systems with unmatched disturbances. Journal of the Franklin Institute, 2014, 351, 1920-1938.	3.4	9
9	Integral Sliding Manifold Design for Linear Systems With Additive Unmatched Disturbances. IEEE Transactions on Automatic Control, 2016, 61, 2544-2549.	5.7	9
10	Sliding Manifold Design for Higher-order Sliding Mode Control of Linear Systems. International Journal of Control, Automation and Systems, 2021, 19, 2652-2663.	2.7	9
11	Discreteâ€time speed servo system design â€" a comparative study: proportionalâ€"integral versus integral sliding mode control. IET Control Theory and Applications, 2017, 11, 2671-2679.	2.1	8
12	Robust cascade control of electrical drives using discrete-time chattering-free sliding mode controllers with output saturation. Electrical Engineering, 2021, 103, 2181-2195.	2.0	6
13	Discrete-Time Sliding Mode Controlled Positional System with Two-Scale Reaching Law and Integral Action. , 2008, , .		4
14	Tuning and Feasibility Analysis of Classical First-Order MIMO Non-Linear Sliding Mode Control Design for Industrial Applications. Machines, 2019, 7, 10.	2.2	4
15	Sliding mode based harmonic oscillator synchronization. International Journal of Electronics, 2003, 90, 553-570.	1.4	3
16	A sliding hyperplane design method for a class of linear systems with unmatched disturbances. , 2010, , .		3
17	Comprehensive approach to sliding subspace design in linear time invariant systems. , 2012, , .		3
18	Optimal discrete-time integral sliding manifold design for linear systems subjected to a class of unmatched disturbances. , 2015, , .		3

#	Article	IF	Citations
19	Discrete-Time Sliding-Mode Servo Systems Design with Disturbance Compensation Approach. Studies in Systems, Decision and Control, 2016, , 597-618.	1.0	3
20	Disturbance observer based dead‑beat control of multi‑input systems with unknown disturbances and bounded inputs using discrete‑time higher order sliding mode. International Journal of Robust and Nonlinear Control, 2021, 31, 3310-3329.	3.7	3
21	Higher Order Sliding Mode Based Dead-Beat Control with Disturbance Compensation for Multi-Input LTI Systems. , 2018, , .		2
22	Sliding Manifold Design for Linear Systems with Scalar Unmatched Disturbances. Studies in Systems, Decision and Control, 2016, , 539-556.	1.0	2
23	Discrete time sliding mode approach to synchronization of modulated two-phase harmonic oscillator. Electrical Engineering, 2004, 86, 293-298.	2.0	1
24	Higher order sliding mode based finite-time order zeroing control for MIMO LTI systems. , 2017, , .		1
25	A new discrete-time super twisting control of a first order plant with input saturation. , 2017, , .		1
26	Higher Order Sliding Mode Control Design with Desired Dynamics for Multi-Input LTI Systems. , 2019, , .		1
27	A sliding-mode control strategy for objects with a stable finite zero. , 2008, , .		0
28	Discrete-time chattering-free integral sliding mode control of continuous-time descriptor systems. , 2014, , .		0