

Kai Wulff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

833
citations

8
h-index

28
g-index

29
ext. papers

989
ext. citations

3.3
avg. IF

3.61
L-index

#	Paper	IF	Citations
24	Tracking-Control for the Boost-Pressure of a Turbo-Charger Based on a Local Model Network 2019 ,		1
23	Fractional-Order Memory Reset Control for Integer-Order LTI Systems 2019 ,		2
22	Indirect Adaptive Sliding-Mode Control Using the Certainty-Equivalence Principle. <i>Studies in Systems, Decision and Control</i> , 2018 , 165-191	0.8	0
21	Disturbance decoupling using a novel approach to integral sliding-mode 2018 ,		1
20	Feedforward Control for Non-Minimumphase Local Model Networks Using Model Following Control 2018 ,		3
19	Observer with Improved Convergence for a Class of Initialized FO-LTI Systems 2018 ,		1
18	Fractional-order observer for integer-order LTI systems 2017 ,		5
17	Certainty-equivalence based super-twisting control using continuous adaptation laws 2016 ,		1
16	Exponentially converging observer for a class of FO-LTI systems 2016 ,		4
15	Stabilization of Switched Linear Differential Algebraic Equations and Periodic Switching. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2102-2113	5.9	17
14	Lyapunov-design for a super-twisting sliding-mode controller using the certainty-equivalence principle. <i>IFAC-PapersOnLine</i> , 2015 , 48, 860-865	0.7	21
13	Continuous-Time Local Model Network for the Boost-Pressure Dynamics of a Turbocharger. <i>IFIP Advances in Information and Communication Technology</i> , 2014 , 348-358	0.5	2
12	Rate control and flight stabilization for a quadrotor system 2013 ,		2
11	Modeling of a planar motion stage for precision positioning 2013 ,		2
10	Stabilization of switched linear differential-algebraic equations via time-dependent switching signals 2013 ,		2
9	A control design method for a class of switched linear systems. <i>Automatica</i> , 2009 , 45, 2592-2596	5.7	20
8	Quadratic Stability and Singular SISO Switching Systems. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2714-2718	5.9	21

7	A Note on Spectral Conditions for Positive Realness of Transfer Function Matrices. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1258-1261	5.9	29
6	On stability of switched differential algebraic systems [Conditions and applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 3871-3876		4
5	A design methodology for switched discrete time linear systems with applications to automotive roll dynamics control. <i>Automatica</i> , 2008 , 44, 2358-2363	5.7	16
4	Stability Criteria for Switched and Hybrid Systems. <i>SIAM Review</i> , 2007 , 49, 545-592	7.4	667
3	Convex Cones, Lyapunov Functions, and the Stability of Switched Linear Systems. <i>Lecture Notes in Computer Science</i> , 2005 , 31-46	0.9	2
2	On the 45°-Region and the uniform asymptotic stability of classes of second order parameter-varying and switched systems. <i>International Journal of Control</i> , 2002 , 75, 812-823	1.5	8
1	On the stabilisation of a class of SISO switched linear systems		1