

# Kai Wulff

## List of Publications by Citations

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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	Stability Criteria for Switched and Hybrid Systems. <i>SIAM Review</i> , <b>2007</b> , 49, 545-592	7.4	667
23	A Note on Spectral Conditions for Positive Realness of Transfer Function Matrices. <i>IEEE Transactions on Automatic Control</i> , <b>2008</b> , 53, 1258-1261	5.9	29
22	Lyapunov-design for a super-twisting sliding-mode controller using the certainty-equivalence principle. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 860-865	0.7	21
21	Quadratic Stability and Singular SISO Switching Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 2714-2718	5.9	21
20	A control design method for a class of switched linear systems. <i>Automatica</i> , <b>2009</b> , 45, 2592-2596	5.7	20
19	Stabilization of Switched Linear Differential Algebraic Equations and Periodic Switching. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2102-2113	5.9	17
18	A design methodology for switched discrete time linear systems with applications to automotive roll dynamics control. <i>Automatica</i> , <b>2008</b> , 44, 2358-2363	5.7	16
17	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> , <b>2002</b> , 75, 812-823	1.5	8
16	Fractional-order observer for integer-order LTI systems <b>2017</b> ,		5
15	Exponentially converging observer for a class of FO-LTI systems <b>2016</b> ,		4
14	On stability of switched differential algebraic systems [Conditions and applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 3871-3876		4
13	Feedforward Control for Non-Minimumphase Local Model Networks Using Model Following Control <b>2018</b> ,		3
12	Rate control and flight stabilization for a quadrotor system <b>2013</b> ,		2
11	Modeling of a planar motion stage for precision positioning <b>2013</b> ,		2
10	Stabilization of switched linear differential-algebraic equations via time-dependent switching signals <b>2013</b> ,		2
9	Convex Cones, Lyapunov Functions, and the Stability of Switched Linear Systems. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 31-46	0.9	2
8	Continuous-Time Local Model Network for the Boost-Pressure Dynamics of a Turbocharger. <i>IFIP Advances in Information and Communication Technology</i> , <b>2014</b> , 348-358	0.5	2

7	Fractional-Order Memory Reset Control for Integer-Order LTI Systems <b>2019</b> ,	2
6	Certainty-equivalence based super-twisting control using continuous adaptation laws <b>2016</b> ,	1
5	Tracking-Control for the Boost-Pressure of a Turbo-Charger Based on a Local Model Network <b>2019</b> ,	1
4	On the stabilisation of a class of SISO switched linear systems	1
3	Disturbance decoupling using a novel approach to integral sliding-mode <b>2018</b> ,	1
2	Observer with Improved Convergence for a Class of Initialized FO-LTI Systems <b>2018</b> ,	1
1	Indirect Adaptive Sliding-Mode Control Using the Certainty-Equivalence Principle. <i>Studies in Systems, Decision and Control</i> , <b>2018</b> , 165-191	0.8 0