Pierre Riedinger

List of Publications by Year
in descending order

16	493	1040056 9	1372567 10
papers	citations	h-index	g-index

16	16	16	444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparison of harmonic modeling methods with application to the interconnection and the control of switched systems. European Journal of Control, 2021, 58, 245-257.	2.6	3
2	Observer and Lyapunov-Based Control for Switching Power Converters With LC Input Filter. IEEE Transactions on Power Electronics, 2019, 34, 7053-7066.	7.9	27
3	Adaptive stabilization of switched affine systems with unknown equilibrium points: Application to power converters. Automatica, 2019, 99, 82-91.	5.0	46
4	A Lyapunov Function for Switching Command of a DCâ€“DC Power Converter With an LC Input Filter. IEEE Transactions on Industry Applications, 2017, 53, 5041-5050.	4.9	22
5	Robust stabilization of switched affine systems with unknown parameters and its application to DC/DC Flyback converters. , 2017, , .		10
6	Lyapunov-based control and observer of a boost converter with LC input filter and stability analysis. , 2016, , .		6
7	Reset strategy for consensus in networks of clusters. Automatica, 2016, 65, 53-63.	5.0	32
8	Switching command based on Lyapunov function for a boost converter with an LC input filter in dc microgrid application. , 2015, , .		8
9	Dynamic output feedback for switched linear systems based on a LQG design. Automatica, 2015, 54, 235-245.	5.0	36
10	An LQ sub-optimal stabilizing feedback law for switched linear systems. , 2014, , .		5
11	LMI sufficient conditions for the consensus of linear agents with nearly-periodic resets. , 2014, , .		7
12	A numerical framework for optimal control of switched input affine nonlinear systems subject to path constraint. Mathematics and Computers in Simulation, 2014, 95, 63-77.	4.4	12
13	Observer-based output-feedback of a multicellular converter: Control Lyapunov function — Sliding mode approach. , 2012, , .		8
14	Switched Affine Systems Using Sampled-Data Controllers: Robust and Guaranteed Stabilization. IEEE Transactions on Automatic Control, 2011, 56, 2929-2935.	5.7	75
15	Alternative control methods for DCâ€“DC converters: An application to a fourâ€level threeâ€cell DCâ€“DC converter. International Journal of Robust and Nonlinear Control, 2011, 21, 1112-1133.	3.7	16
16	Comparison of Hybrid Control Techniques for Buck and Boost DC-DC Converters. IEEE Transactions on Control Systems Technology, 2010, 18, 1126-1145.	5.2	180