

Driss Boutat

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Algorithm to Compute Nonlinear Partial Observer Normal Form With Multiple Outputs. IEEE Transactions on Automatic Control, 2020, 65, 2700-2707.	5.7	1
2	A Unified Framework of Stability Theorems for LTI Fractional Order Systems With $0 < \alpha < 2$. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3237-3241.	3.0	25
3	Observer normal forms for a class of Predator-Prey models. Journal of the Franklin Institute, 2016, 353, 2178-2198.	3.4	4
4	Variable-order fractional numerical differentiation for noisy signals by wavelet denoising. Journal of Computational Physics, 2016, 311, 338-347.	3.8	20
5	Partial observer normal form for nonlinear system. Automatica, 2016, 64, 54-62.	5.0	11
6	Observer design for a class of nonlinear piecewise systems. Application to an epidemic model with treatment. Mathematical Biosciences, 2016, 271, 128-135.	1.9	4
7	Extended nonlinear observer normal forms for a class of nonlinear dynamical systems. International Journal of Robust and Nonlinear Control, 2015, 25, 461-474.	3.7	20
8	An algebraic fractional order differentiator for a class of signals satisfying a linear differential equation. Signal Processing, 2015, 116, 78-90.	3.7	46
9	Utility of high-order sliding mode differentiators for dynamical left inversion problems. IET Control Theory and Applications, 2015, 9, 538-544.	2.1	1
10	Observer design for a class of nonlinear systems with linearisable error dynamics. IET Control Theory and Applications, 2015, 9, 2298-2304.	2.1	1
11	On the inversion of a class of nonlinear systems. Systems and Control Letters, 2015, 83, 38-44.	2.3	4
12	Extended output depending normal form. Automatica, 2013, 49, 2192-2198.	5.0	27
13	Identification of the delay parameter for nonlinear time-delay systems with unknown inputs. Automatica, 2013, 49, 1755-1760.	5.0	41
14	A new reduced-order observer normal form for nonlinear discrete time systems. Systems and Control Letters, 2012, 61, 1003-1008.	2.3	12
15	A triangular canonical form for a class of 0-flat nonlinear systems. International Journal of Control, 2011, 84, 261-269.	1.9	118
16	On Observation of Time-Delay Systems With Unknown Inputs. IEEE Transactions on Automatic Control, 2011, 56, 1973-1978.	5.7	52
17	Observability and observer design for a class of switched systems. IET Control Theory and Applications, 2011, 5, 1113-1119.	2.1	9
18	On the transformation of nonlinear dynamical systems into the extended nonlinear observable canonical form. International Journal of Control, 2011, 84, 94-106.	1.9	44

#	ARTICLE	IF	CITATIONS
19	On uniform controller design for linear switched systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 189-198.	3.5	2
20	Observability analysis by Poincaré normal forms. <i>Mathematics of Control, Signals, and Systems</i> , 2009, 21, 147-170.	2.3	4
21	Failure detection and reconstruction in switched nonlinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 225-238.	3.5	11
22	Multi-output dependent observability normal form. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 404-418.	1.1	20
23	Secure communication based on multi-input multi-output chaotic system with large message amplitude. <i>Chaos, Solitons and Fractals</i> , 2009, 41, 1510-1517.	5.1	26
24	An observation algorithm for nonlinear systems with unknown inputs. <i>Automatica</i> , 2009, 45, 1970-1974.	5.0	54
25	New algorithm for observer error linearization with a diffeomorphism on the outputs. <i>Automatica</i> , 2009, 45, 2187-2193.	5.0	51
26	SECURE DATA TRANSMISSION BASED ON MULTI-INPUT MULTI-OUTPUT DELAYED CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2063-2072.	1.7	22
27	Observability of the discrete state for dynamical piecewise hybrid systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 63, 423-438.	1.1	41
28	NEW TYPE OF DATA TRANSMISSION USING A SYNCHRONIZATION OF CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 207-223.	1.7	14
29	Sliding mode observers and observability singularity in chaotic synchronization. <i>Mathematical Problems in Engineering</i> , 2004, 2004, 11-31.	1.1	24
30	Poincaré $1/2$ Normal Form for a Class of Driftless Systems in a One-Dimensional Submanifold Neighborhood. <i>Mathematics of Control, Signals, and Systems</i> , 2002, 15, 256-274.	2.3	4