Pauline Bernard

List of Publications by Year
in descending order

28 papers	443 citations	933447 10 h-index	839539 18 g-index
29 all docs	29 docs citations	29 times ranked	210 citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive output-feedback stabilization of non-local hyperbolic PDEs. Automatica, 2014, 50, 2692-2699.	5.0	102
2	Observer design for continuous-time dynamical systems. Annual Reviews in Control, 2022, 53, 224-248.	7.9	49
3	Observer Design for Nonlinear Systems. Lecture Notes in Control and Information Sciences, 2019, , .	1.0	40
4	Luenberger Observers for Nonautonomous Nonlinear Systems. IEEE Transactions on Automatic Control, 2019, 64, 270-281.	5.7	37
5	Estimation of Position and Resistance of a Sensorless PMSM: A Nonlinear Luenberger Approach for a Nonobservable System. IEEE Transactions on Automatic Control, 2021, 66, 481-496.	5.7	29
6	Convergence of gradient observer for rotor position and magnet flux estimation of permanent magnet synchronous motors. Automatica, 2018, 94, 88-93.	5.0	25
7	Observers for a non-Lipschitz triangular form. Automatica, 2017, 82, 301-313.	5.0	20
8	On the triangular canonical form for uniformly observable controlled systems. Automatica, 2017, 85, 293-300.	5.0	19
9	Robustness of rotor position observer for permanent magnet synchronous motors with unknown magnet flux. IFAC-PapersOnLine, 2017, 50, 15403-15408.	0.9	15
10	Constrained State Estimation for Nonlinear Systems: A Redesign Approach Based on Convexity. IEEE Transactions on Automatic Control, 2022, 67, 824-839.	5.7	14
11	Observers for Hybrid Dynamical Systems with Linear Maps and Known Jump Times. , 2018, , .		12
12	Numerical design of Luenberger observers for nonlinear systems. , 2020, , .		11
13	Adaptive output regulation via nonlinear Luenberger observer-based internal models and continuous-time identifiers. Automatica, 2020, 122, 109261.	5.0	10
14	Approximate Nonlinear Regulation via Identification-Based Adaptive Internal Models. IEEE Transactions on Automatic Control, 2021, 66, 3534-3549.	5.7	9
15	Hybrid dynamical systems with hybrid inputs: Definition of solutions and applications to interconnections. International Journal of Robust and Nonlinear Control, 2020, 30, 5892-5916.	3.7	8
16	Luenberger observers for nonlinear controlled systems. , 2017, , .		7
17	On the Semi-Global Stability of an EK-Like Filter. , 2021, 5, 1771-1776.		7
18	Hybrid implementation of observers in plant's coordinates with a finite number of approximate inversions and global convergence. Automatica, 2020, 111, 108654.	5.0	6

#	ARTICLE	IF	CITATIONS
19	Observer design via interconnections of second‑order mixed sliding‑mode/linear differentiators. International Journal of Robust and Nonlinear Control, 2021, 31, 3631-3657.	3.7	6
20	Avalanche Victim Search via Robust Observers. IEEE Transactions on Control Systems Technology, 2021, 29, 1450-1461.	5.2	5
21	Adaptive Output Regulation via Nonlinear Luenberger Observers. IFAC-PapersOnLine, 2019, 52, 580-585.	0.9	4
22	Robust sensorless estimation of the position and magnet flux of PMSMs. , 2020, , .		4
23	An Algorithm to Generate Solutions to Hybrid Dynamical Systems with Inputs. , 2019, , .		2
24	Mixing sliding mode and linear differentiators for 2nd and 3rd order systems. IFAC-PapersOnLine, 2020, 53, 5093-5098.	0.9	1
25	A Local Hybrid Observer for a Class of Hybrid Dynamical Systems with Linear Maps and Unknown Jump Times. , 2021, , .		1
26	On the semi-global stability of an EK-like Filter. , 2021, , .		0
27	Transformation Into Triangular Forms. Lecture Notes in Control and Information Sciences, 2019, , 75-95.	1.0	0
28	Triangular Forms. Lecture Notes in Control and Information Sciences, 2019, , 29-45.	1.0	0