

Laurent Praly

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

935
citations

1040056

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1372567

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12
docs citations

12
times ranked

483
citing authors

#	ARTICLE	IF	CITATIONS
1	A smooth Lyapunov function from a class- \mathcal{KL} estimate involving two positive semidefinite functions. ESAIM - Control, Optimisation and Calculus of Variations, 2000, 5, 313-367.	1.3	223
2	Sensorless Control of Surface-Mount Permanent-Magnet Synchronous Motors Based on a Nonlinear Observer. IEEE Transactions on Power Electronics, 2010, 25, 290-297.	7.9	191
3	On the Existence of a Kazantzis–Kravaris/Luenberger Observer. SIAM Journal on Control and Optimization, 2006, 45, 432-456.	2.1	161
4	Estimation of Rotor Position and Speed of Permanent Magnet Synchronous Motors With Guaranteed Stability. IEEE Transactions on Control Systems Technology, 2011, 19, 601-614.	5.2	152
5	Convergence of Nonlinear Observers on \mathbb{R}^n With a Riemannian Metric (Part I). IEEE Transactions on Automatic Control, 2012, 57, 1709-1722.	5.7	54
6	Transverse Exponential Stability and Applications. IEEE Transactions on Automatic Control, 2016, 61, 3396-3411.	5.7	37
7	A robust nonlinear Luenberger observer for the sensorless control of SM-PMSM: Rotor position and magnets flux estimation. , 2012, , .		31
8	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
9	Globally convergent nonlinear observer for the sensorless control of surface-mount Permanent Magnet Synchronous machines. , 2012, , .		24
10	Robustness of rotor position observer for permanent magnet synchronous motors with unknown magnet flux. IFAC-PapersOnLine, 2017, 50, 15403-15408.	0.9	15
11	Convergence of Nonlinear Observers on \mathbb{R}^n With a Riemannian Metric (Part II). IEEE Transactions on Automatic Control, 2016, 61, 2848-2860.	5.7	14
12	Characterizations of Global Transversal Exponential Stability. IEEE Transactions on Automatic Control, 2021, 66, 3682-3694.	5.7	4