Felipe M Pait

List of Publications by Year
in descending order

32 papers	254 citations	1684188 5 h-index	1199594 12 g-index
34 all docs	34 docs citations	34 times ranked	108 citing authors

#	Article	IF	Citations
1	A cyclic switching strategy for parameter-adaptive control. IEEE Transactions on Automatic Control, 1994, 39, 1172-1183.	5.7	101
2	MIMO design models and internal regulators for cyclicly switched parameter-adaptive control systems. IEEE Transactions on Automatic Control, 1994, 39, 1809-1818.	5.7	32
3	On a class of switched, robustly stable, adaptive systems. International Journal of Adaptive Control and Signal Processing, 2001, 15, 213-238.	4.1	23
4	Matchable-Observable Linear Models and Direct Filter Tuning: An Approach to Multivariable Identification. IEEE Transactions on Automatic Control, 2017, 62, 2180-2193.	5.7	17
5	Global tunability of one-dimensional SISO systems. IEEE Transactions on Automatic Control, 1992, 37, 1605-1608.	5.7	10
6	Parallel algorithms for adaptive control: Robust stability. Lecture Notes in Control and Information Sciences, 1997, , 262-276.	1.0	8
7	Machine learning barycenter approach to identifying LPV state-space models. , 2016, , .		8
8	Geometry of adaptive control: optimization and geodesics. International Journal of Adaptive Control and Signal Processing, 2004, 18, 381-392.	4.1	6
9	Matchable-observable linear models for multivariable identification: Structure selection and experimental results. , 2015, , .		6
10	A smoothly parameterized family of stabilizable, observable linear systems containing realizations of all transfer functions of McMillan degree not exceeding n. IEEE Transactions on Automatic Control, 1991, 36, 1475-1477.	5.7	5
11	A tuner that accelerates parameters. Systems and Control Letters, 1998, 35, 65-68.	2.3	5
12	Some properties of the Riemannian distance function and the position vector X, with applications to the construction of Lyapunov functions. , 2010, , .		5
13	Linear multivariable identification using observable state space parameterizations. , 2013, , .		5
14	Multivariable system identification using an output-injection based parameterization. , 2011, , .		4
15	Direct filter tuning and optimization in multivariable identification. , 2014, , .		4
16	A tuner that accelerates parameters. , 1998, , .		2
17	Propulsion control in a linear electrodynamic motor with two degrees of freedom. , 0, , .		2
18	Reading Wiener in Rio. , 2014, , .		2

#	Article	IF	Citations
19	State space LPV model identification using LS-SVM: A case-study with dynamic dependence. , 2016, , .		2
20	An extended instrument variable approach for nonparametric LPV model identification. IFAC-PapersOnLine, 2018, 51, 81-86.	0.9	2
21	Geometry of adaptive control. , 2001, , .		1
22	Discussion on: â€œSwitching Control for a Class of Non-Linear Systems with an Application to Post-Harvest Food Storageâ€• European Journal of Control, 2010, 16, 574-575.	2.6	1
23	Identification of a class of generalized autoregressive conditional heteroskedasticity (GARCH) models with applications to covariance propagation. , 2015, , .		1
24	Obtaining multivariable continuous-time models from sampled data. , 2017, , .		1
25	PicSatâ€™s Enduring Legacy. Probing the Flight of a Small Astronomical Satellite. Publications of the Astronomical Society of the Pacific, 2022, 134, 034501.	3.1	1
26	Discussion on: â€˜Fault Detection and Isolation for State Affine Systemsâ€™ by H. Hammouri, M. Kinnaert and H. El Yaagoubi. European Journal of Control, 1998, 4, 17-21.	2.6	0
27	An adaptive filtering algorithm with parameter acceleration. , 0, , .		0
28	The Accelerating Adaptive Filtering Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 331-335.	0.4	0
29	Spiking neural networks for higher-level information fusion. , 2004, , .		0
30	On the Lyapunov Partial Differential Equation. , 2006, , .		0
31	Recursive identification of multivariable systems using matchable-observable linear models. , 2016, , .		0
32	A greyâ€"box identification approach for a human alertness model. , 2019, , .		0