Teresa Paula Azevedo Perdicoulis

List of Publications by Year
in descending order

34 papers	**345** citations	1162367 **8** h-index	887659 **17** g-index
36 all docs	**36** docs citations	**36** times ranked	**274** citing authors

#	Article	IF	Citations
1	A multi-objective approach for the motion planning of redundant manipulators. Applied Soft Computing Journal, 2012, 12, 589-599.	4.1	61
2	Trajectory planning of redundant manipulators using genetic algorithms. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2858-2869.	1.7	59
3	An LPV Modeling and Identification Approach to Leakage Detection in High Pressure Natural Gas Transportation Networks. IEEE Transactions on Control Systems Technology, 2011, 19, 77-92.	3.2	40
4	An evolutionary approach for the motion planning ofÂredundant and hyper-redundant manipulators. Nonlinear Dynamics, 2010, 60, 115-129.	2.7	34
5	Linear Parameter-Varying System Identification. , 2011, , .		23
6	Disturbance attenuation of linear quadratic OL-Nash games on repetitive processes with smoothing on the gas dynamics. Multidimensional Systems and Signal Processing, 2012, 23, 131-153.	1.7	22
7	A fractional approach for the motion planning of redundant and hyper-redundant manipulators. Signal Processing, 2011, 91, 562-570.	2.1	19
8	Leakage detection and location in gas pipelines through an LPV identification approach. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 4657-4665.	1.7	13
9	Linear Quadratic Nash Games on Positive Linear Systems. European Journal of Control, 2005, 11, 632-644.	1.6	10
10	LPV system identification using a separable least squares support vector machines approach. , 2014, , .		9
11	Iterative solution of algebraic matrix Riccati equations in open loop Nash games. International Journal of Robust and Nonlinear Control, 2005, 15, 55-62.	2.1	8
12	A 2-DAE system gas network model in view to optimisation as a dynamic game. , 2007, , .		5
13	MODELLING ASPECTS OF DESCRIBING A GAS NETWORK THROUGH A DAE SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 40-45.	0.4	4
14	Linear quadratic OL-Nash games on repetitive processes with smoothing on the gas dynamics. , 2009, , .		4
15	Deriving mechanical structures in physical coordinates from data-driven state-space realizations. , 2015, , .		4
16	Modelling a gas pipeline as a repetitive process: controllability, observability and stability. Multidimensional Systems and Signal Processing, 2015, 26, 967-984.	1.7	4
17	Transmission gas pipelines: 2D models simulation. , 2017, , .		4
18	Existence and Uniqueness of Disturbed Open-Loop Nash Equilibria for Affine-Quadratic Differential Games. Annals of the International Society of Dynamic Games, 2011, , 25-39.	0.3	4

#	Article	IF	Citations
19	A Kernel Principal Component Regressor for LPV System Identification. IFAC-PapersOnLine, 2019, 52, 7-12.	0.5	3
20	System Identification of *Just Walk*: Using Matchable-Observable Linear Parametrizations. IEEE Transactions on Control Systems Technology, 2020, 28, 264-275.	3.2	3
21	A lumped transfer function model for High Pressure Gas Pipelines. , 2010, , .		2
22	Indirect continuous-time system identification&#x2014;A subspace downsampling approach. , 2011, , .		2
23	A MoliZoft System Identification Approach of the Just Walk Data. IFAC-PapersOnLine, 2017, 50, 12508-12513.	0.5	2
24	A Note on Convergence of Finite Differences Schemata for Gas Network Simulation. , 2019, , .		2
25	Boundary control of discrete repetitive processes with smoothing: controllability, observability and disturbance attenuation. Multidimensional Systems and Signal Processing, 2015, 26, 145-158.	1.7	1
26	LPV system identification using the matchable observable linear identification approach. , 2017, , .		1
27	A study on Disturbed Stackelberg games equilibria in view to gas network optimisation. IFAC-PapersOnLine, 2020, 53, 465-470.	0.5	1
28	Trajectory Pace inÂView toÂEnergy Optimisation. Lecture Notes in Electrical Engineering, 2022, , 105-115.	0.3	1
29	Iterative Solution of Algebraic Matrix Riccati Equations in Open Loop Nash Games. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 197-201.	0.4	0
30	A study on quaternion blockquasi-tridiagonal systems. Computers and Mathematics With Applications, 2005, 50, 1011-1016.	1.4	0
31	Identification of LPV Systems with non-white noise scheduling sequences. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1755-1760.	0.4	0
32	Identification of LPV State Space systems by a separable least squares approach. , 2013, , .		0
33	Nash equilibrium with wave dynamics and boundary control. , 2015, , .		0
34	Estimation and control of multidimensional systems. International Journal of Control, 2018, 91, 2631-2631.	1.2	0