

Maria Tomas Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

274
citations

1040056

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940533

16
g-index

33
all docs

33
docs citations

33
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear approximations to nonlinear dynamical systems with applications to stability and spectral theory. IMA Journal of Mathematical Control and Information, 2003, 20, 89-103.	1.7	46
2	Modelado y control de turbinas eólicas marinas flotantes. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 381.	1.0	43
3	Linear, Time-varying Approximations to Nonlinear Dynamical Systems. Lecture Notes in Control and Information Sciences, 2010, , .	1.0	38
4	Vibration reduction for vision systems on board unmanned aerial vehicles using a neuro-fuzzy controller. JVC/Journal of Vibration and Control, 2014, 20, 2243-2253.	2.6	15
5	TMD stroke limiting influence on barge-type floating wind turbines. Ocean Engineering, 2022, 248, 110781.	4.3	15
6	Discrete time linear optimal multi-periodic repetitive control: a benchmark tracking solution. International Journal of Control, 2006, 79, 991-1001.	1.9	11
7	Dynamic analysis of double wishbone front suspension systems on sport motorcycles. Nonlinear Dynamics, 2018, 91, 2347-2368.	5.2	11
8	General Methodology for the Identification of Reduced Dynamic Models of Barge-Type Floating Wind Turbines. Energies, 2021, 14, 3902.	3.1	11
9	Helicopter flap/lag energy exchange study. Nonlinear Dynamics, 2017, 88, 2933-2946.	5.2	9
10	An iterative approach to eigenvalue assignment for nonlinear systems. International Journal of Control, 2013, 86, 883-892.	1.9	8
11	Limit sets and switching strategies in parameter-optimal iterative learning control. International Journal of Control, 2008, 81, 626-640.	1.9	7
12	Suppression of Burst Oscillations in Racing Motorcycles. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	7
13	PARAMETRIC APPROACH TO OPTIMAL NONLINEAR CONTROL PROBLEM USING ORTHOGONAL EXPANSIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 556-561.	0.4	6
14	Suppression of burst oscillations in racing motorcycles. , 2010, , .		5
15	Influence of road camber on motorcycle stability. , 2008, , .		4
16	Dynamical analysis of a duolever suspension system. , 2012, , .		4
17	Helicopter nonlinear aerodynamics modelling using VehicleSim. Advances in Engineering Software, 2016, 100, 252-265.	3.8	4
18	Quadrotor multibody modelling by vehiclesim: adaptive technique for oscillations in a PVA control system. JVC/Journal of Vibration and Control, 2017, 23, 2704-2723.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Helicopter modelling and study of the accelerated rotor. Advances in Engineering Software, 2018, 115, 52-65.	3.8	4
20	Interconnected Suspension System on Sport Motorcycles. Mechanisms and Machine Science, 2014, , 9-16.	0.5	3
21	Iterative lead compensation control of nonlinear marine vessels manoeuvring models. Applied Ocean Research, 2014, 48, 266-276.	4.1	3
22	Pole placement for nonlinear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 1171-1175.	0.4	2
23	Automated Modeling of Rotorcraft Dynamics with Special Reference to Autosim. , 2007, , .		2
24	Non linear optimization of a sport motorcycle's suspension interconnection system. , 2014, , .		2
25	Iterated nonlinear control of ship's manoeuvring models. , 2013, , .		1
26	Description of a Dynamical Framework to Analyse the Helicopter Tail Rotor. Dynamics, 2021, 1, 171-180.	1.2	1
27	Rotorcraft fuselage/main rotor coupling dynamics modelling and analysis. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 317-340.	1.0	1
28	The dynamical inverse problem for a nonlinear Schrodinger equation using boundary control. , 0, , .		0
29	From local to global control. , 2008, , .		0
30	Iterative Self-Tuning Minimum Variance Control of a Nonlinear Autonomous Underwater Vehicle Maneuvering Model. Electronics (Switzerland), 2021, 10, 2686.	3.1	0