

# Manuel Jimenez-Lizarraga

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

211  
citations

1163065

8  
h-index

1125717

13  
g-index

49  
all docs

49  
docs citations

49  
times ranked

177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Barley yield and fertilization analysis from UAV imagery: a deep learning approach. International Journal of Remote Sensing, 2019, 40, 2493-2516.	2.9	37
2	Robust Nash Equilibrium in multi-model LQ differential games: analysis and extraproximal numerical procedure. Optimal Control Applications and Methods, 2007, 28, 117-141.	2.1	26
3	Open-loop Nash equilibrium in polynomial differential games via state-dependent Riccati equation. Automatica, 2015, 53, 155-163.	5.0	21
4	$\hat{\mu}$ -Equilibrium in LQ differential games with bounded uncertain disturbances: robustness of standard strategies and new strategies with adaptation. International Journal of Control, 2006, 79, 786-797.	1.9	18
5	Finite Time Robust Feedback Nash Equilibrium for Linear Quadratic Games. IFAC-PapersOnLine, 2017, 50, 11794-11799.	0.9	10
6	Quasi-equilibrium in LQ differential games with bounded uncertain disturbances: robust and adaptive strategies with pre-identification via sliding mode technique. International Journal of Systems Science, 2007, 38, 585-599.	5.5	9
7	Robust mini-max regulator for uncertain non-linear polynomial systems. IET Control Theory and Applications, 2012, 6, 963.	2.1	9
8	Robust output Nash strategies based on sliding mode observation in a two-player differential game. Journal of the Franklin Institute, 2012, 349, 1416-1429.	3.4	8
9	Necessary conditions for robust Stackelberg equilibrium in a multi-model differential game. Optimal Control Applications and Methods, 2012, 33, 595-613.	2.1	7
10	Detection of bark beetle infestation in drone imagery via thresholding cellular automata. Journal of Applied Remote Sensing, 2021, 15, .	1.3	7
11	Higher order sliding modes manifold design via singular LQ control. Journal of the Franklin Institute, 2015, 352, 2810-2830.	3.4	5
12	Differential Game-based Formation Flight for Quadrotors. International Journal of Control, Automation and Systems, 2018, 16, 1854-1865.	2.7	5
13	Robust and adaptive strategies with pre-identification via sliding mode technique in LQ differential games. , 2006, , .		4
14	Leader-follower strategies for a multi-plant differential game. , 2008, , .		4
15	HOSM observer for robust output regulator in uncertain nonlinear polynomial systems. , 2012, , .		4
16	Real-time laser beam stabilization by sliding mode controllers. International Journal of Advanced Manufacturing Technology, 2017, 91, 3233-3242.	3.0	4
17	Parametric uncertain second-order linear system output-adaptive stabilization: An integral and MRCA based approach. European Journal of Control, 2021, 57, 76-81.	2.6	4
18	Formation flight of fixed-wing UAVs based on linear quadratic affine game. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Open Loop Robust Equilibria in Uncertain Discrete Time Games. International Journal of Control, Automation and Systems, 2021, 19, 587-595.	2.7	3
20	Near-Nash equilibrium strategies for LQ differential games with inaccurate state information. Mathematical Problems in Engineering, 2006, 2006, 1-24.	1.1	2
21	Equilibrium in LQ differential games with multiple scenarios. , 2007, , .		2
22	Multi-Model Robust LQ Control of an Active Magnetic Bearing. Proceedings of the American Control Conference, 2007, , .	0.0	2
23	Robust Mini-Max regulator for uncertain nonlinear polynomial systems. , 2011, , .		2
24	Integral Higher Order Sliding Mode and singular optimal stabilization. , 2013, , .		2
25	A Single Solution to the HJB Equation for Optimal Regulation Control of Eulerâ€“Lagrange Systems. Cybernetics and Systems, 0, , 1-17.	2.5	2
26	Equilibrium in Linear Quadratic Stochastic Games with Unknown Parameters. , 2008, , .		1
27	Robust Stackelberg Equilibrium for a multi-scenario two players linear affine-quadratic differential game. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3958-3963.	0.4	1
28	Dynamic Controller Approach to Algebraic Constraints in Linear Systems. , 2009, , .		1
29	Optimal control for a polynomial system with a quadratic criterion over infinite horizon. International Journal of Systems Science, 2013, , 1-12.	5.5	1
30	Open-loop Nash equilibrium in polynomial differential games via state-dependent Riccati equation. , 2013, , .		1
31	Optimal control for a polynomial system with a quadratic criterion over infinite horizon. , 2013, , .		1
32	A HOSM control algorithm to stabilize the quadrotor vehicle with experimental validation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 174-180.	0.4	1
33	Output mini-max control for polynomial systems: analysis and applications. International Journal of Systems Science, 2014, 45, 1880-1891.	5.5	1
34	Robust singular optimization for linear time varying systems by integral highâ€“order sliding mode. Optimal Control Applications and Methods, 2017, 38, 860-879.	2.1	1
35	Mini-max incentive strategy for leaderâ€“follower games under uncertain dynamics. International Journal of Systems Science, 2021, 52, 3159-3175.	5.5	1
36	Robust tracking-surveillance and landing over a mobile target by quasi-integral-sliding mode and Hopf bifurcation. Journal of the Franklin Institute, 2022, 359, 2120-2155.	3.4	1

#	ARTICLE	IF	CITATIONS
37	Robust Nash Strategies based on Integral Sliding Mode Control for a Two Players Uncertain LQ Game. , 2007, , .		0
38	Robust output nash strategies based on hierarchical sliding mode observer in a two-player differential game. , 2008, , .		0
39	On the Time Inconsistency Problem of the Robust Leader Strategy. , 2009, , .		0
40	Robust Control of a Nonlinear Electrical Oscillator Modeled by Duffing Equation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5789-5794.	0.4	0
41	Output mini-max control for polynomial systems: Analysis and application. , 2012, , .		0
42	Open-loop Nash equilibrium problem in polynomial stochastic differential games with incomplete information. , 2013, , .		0
43	Robust High Order Sliding Mode Optimization for Linear Time Variant Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6050-6055.	0.4	0
44	Zero-Sum Nonlinear Polynomial Game for Planar Robots Coordination. IFAC-PapersOnLine, 2015, 48, 463-468.	0.9	0
45	Robust control for multi-model planar robots coordination. , 2015, , .		0
46	$\hat{\mu}$ -Saddle point solution for a nonlinear robot coordination game. Cybernetics and Systems, 2019, 50, 261-280.	2.5	0
47	Hopf Bifurcation for UAV Path Planning in Autonomous Surveillance and Landing on an UGV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 102, 1.	3.4	0
48	A Stackelberg Game Model between Manufacturer and Wholesaler in a Food Supply Chain. , 2017, , .		0
49	Robust Dynamic Programming in N Players Uncertain Differential Games. Informatica, 2020, , 1-23.	2.7	0