

# Carlos Vivas

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

421  
citations

758635

12  
h-index

839053

18  
g-index

31  
all docs

31  
docs citations

31  
times ranked

391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed consensus-based estimation considering network induced delays and dropouts. Automatica, 2012, 48, 2726-2729.	3.0	95
2	Sensor-network-based robust distributed control and estimation. Control Engineering Practice, 2013, 21, 1238-1249.	3.2	44
3	$\text{xmlns:xocs} = \text{http://www.elsevier.com/xml/xocs/dtd}$ $\text{xmlns:xs} = \text{http://www.w3.org/2001/XMLSchema}$ $\text{xmlns:xsi} = \text{http://www.w3.org/2001/XMLSchema-instance}$ $\text{xmlns} = \text{http://www.elsevier.com/xml/ja/dtd}$ $\text{xmlns:ja} = \text{http://www.elsevier.com/xml/ja/dtd}$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{xmlns:tb} = \text{http://www.elsevier.com/xml/common/table/dtd}$ $\text{xmlns:sb} = \text{http://www.elsevier.com/xml/common/struct-bib/dtd}$ $\text{xmlns:sc} = \text{http://www.elsevier.com/}$	3.0	32
4	Robustness improvement of a nonlinear $H_\infty$ controller for robot manipulators via saturation functions. Journal of Field Robotics, 2005, 22, 421-437.	0.7	30
5	Distributed estimation in networked systems under periodic and event-based communication policies. International Journal of Systems Science, 2015, 46, 139-151.	3.7	28
6	Design and Application of Suboptimal Mixed $H_2/H_\infty$ Controllers for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2012, 20, 1057-1065.	3.2	27
7	Reduced-order $H_2/H_\infty$ distributed observer for sensor networks. International Journal of Control, 2013, 86, 1870-1879.	1.2	26
8	Robust stability of nonlinear time-varying delay systems with interval time-varying delay. International Journal of Robust and Nonlinear Control, 2011, 21, 709-724.	2.1	21
9	Distributed Control and Estimation Scheme With Applications to Process Control. IEEE Transactions on Control Systems Technology, 2015, 23, 1563-1570.	3.2	15
10	Suboptimal distributed control and estimation: application to a four coupled tanks system. International Journal of Systems Science, 2016, 47, 1755-1771.	3.7	15
11	Suboptimal hierarchical control strategy to improve energy efficiency of vapour-compression refrigeration systems. Applied Thermal Engineering, 2017, 125, 165-184.	3.0	15
12	Event-based $H_2/H_\infty$ controllers for networked control systems. International Journal of Control, 2014, 87, 2488-2498.	1.2	13
13	Distributed consensus-based switched observers for freeway traffic density estimation. , 2015, , .		8
14	$H_2/H_\infty$ control for discrete TDS with application to networked control systems: Periodic and asynchronous communication. Optimal Control Applications and Methods, 2015, 36, 60-76.	1.3	8
15	Networked predictive control of systems with data dropouts. , 2008, , .		7
16	Switched observer-based ramp metering controllers for freeway systems. , 2016, , .		7
17	Control no lineal robusto de una maqueta de helicóptero con rotores de velocidad variable. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2007, 4, 46-60.	0.6	6
18	Delay-dependent robust stability analysis for systems with interval delays. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
19	Model predictive control with state estimation for freeway systems. , 2017, , .		5
20	On Singular Perturbations of Flexible and Variable-Speed Wind Turbines. International Journal of Aerospace Engineering, 2012, 2012, 1-12.	0.5	3
21	Optimal networked control of a 2 degree-of-freedom direct drive robot manipulator. , 2010, , .		1
22	Flying Chameleons: A New Concept for Minimum-Deployment, Multiple-Target Tracking Drones. Sensors, 2022, 22, 2359.	2.1	1
23	An algorithm to compensate for large data dropouts in Networked control systems. , 2008, , .		0
24	Discussion on: "Exponential Stability Based Design of Constrained Fuzzy Predictive Control" European Journal of Control, 2010, 16, 49-50.	1.6	0
25	Advanced Control of Wind Turbines. , 2011, , .		0