

# Luis F C Figueredo

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

241  
citations

1684188

5  
h-index

1372567

10  
g-index

32  
all docs

32  
docs citations

32  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust kinematic control of manipulator robots using dual quaternion representation. , 2013, , .		37
2	Hybrid kinematic control for rigid body pose stabilization using dual quaternions. Journal of the Franklin Institute, 2017, 354, 2769-2787.	3.4	30
3	Human Comfortability: Integrating Ergonomics and Muscular-Informed Metrics for Manipulability Analysis During Human-Robot Collaboration. IEEE Robotics and Automation Letters, 2021, 6, 351-358.	5.1	23
4	Planning for Muscular and Peripersonal-Space Comfort During Human-Robot Forceful Collaboration. , 2018, , .		17
5	Switching strategy for flexible task execution using the cooperative dual task-space framework. , 2014, , .		16
6	Manipulation Planning Under Changing External Forces. , 2018, , .		12
7	Robust stability of networked control systems. , 2009, , .		10
8	Robust $H^\infty$ Output Tracking Control for a Class of Nonlinear Systems with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2014, 33, 1451-1471.	2.0	8
9	A Dual Doctor-Patient Twin Paradigm for Transparent Remote Examination, Diagnosis, and Rehabilitation. , 2021, , .		8
10	New delay-and-delay-derivative-dependent stability criteria for systems with time-varying delay. , 2010, , .		7
11	Delay-Dependent Robust Stability Analysis for Time-Delay Tâ€™S Fuzzy Systems with Nonlinear Local Models. Journal of Control, Automation and Electrical Systems, 2013, 24, 11-21.	2.0	7
12	A dual quaternion linear-quadratic optimal controller for trajectory tracking. , 2015, , .		7
13	A Robot Architecture for Outdoor Competitions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 629-646.	3.4	7
14	Stability of networked control systems with dynamic controllers in the feedback loop. , 2010, , .		6
15	Dual quaternion-based bimodal global control for robust rigid body pose kinematic stabilization. , 2017, , .		5
16	A real-time web-based networked control system education platform. International Journal of Electrical Engineering and Education, 2018, 55, 130-141.	0.8	5
17	Coordinate Invariant User-Guided Constrained Path Planning with Reactive Rapidly Expanding Plane-Oriented Escaping Trees. , 2022, , .		5
18	Delay-Dependent Robust $H^\infty$ Output Tracking Control for Uncertain Networked Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3256-3261.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Robust Controller Design for Attitude Dynamics Subjected to Time-Delayed State Measurements. IEEE Transactions on Automatic Control, 2018, 63, 2191-2198.	5.7	4
20	Manipulation Planning Using Environmental Contacts to Keep Objects Stable under External Forces. , 2019, , .		4
21	Manipulation planning under changing external forces. Autonomous Robots, 2020, 44, 1249-1269.	4.8	4
22	Robust stability criteria for uncertain systems with delay and its derivative varying within intervals. , 2011, , .		3
23	An improved stability criterion of networked control systems with dynamic controllers in the feedback loop. , 2014, , .		2
24	Design of singularity-robust and task-priority primitive controllers for cooperative manipulation using dual quaternion representation. , 2017, , .		2
25	Planning to Minimize the Human Muscular Effort during Forceful Human-Robot Collaboration. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-27.	4.1	2
26	A delay-fractioning approach to stability analysis of networked control systems with time-varying delay. , 2011, , .		1
27	Novel stabilization technique for the $H_\infty$ control of systems with time-varying input delay. , 2013, , .		1
28	Quaternion-based $H_\infty$ kinematic attitude control subjected to input time-varying delays. , 2015, , .		1
29	Quaternion-based $H_\infty$ attitude tracking control of rigid bodies with time-varying delay in attitude measurements. , 2016, , .		1
30	An Autonomous Mobile Robot Architecture for Outdoor Competitions. , 2018, , .		1
31	Performance Study on dqRNEA – A Novel Dual Quaternion Based Recursive Newton-Euler Inverse Dynamics Algorithms. , 2019, , .		1
32	Robust stability of networked control systems with dynamic controllers in the feedback loop. , 2016, , .		0