

Luis F C Figueredo

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

241
citations

1683354

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1372195

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32
all docs

32
docs citations

32
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Planning to Minimize the Human Muscular Effort during Forceful Human-Robot Collaboration. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-27.	3.2	2
2	Coordinate Invariant User-Guided Constrained Path Planning with Reactive Rapidly Expanding Plane-Oriented Escaping Trees. , 2022, , .		5
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.	3.3	23
4	A Dual Doctor-Patient Twin Paradigm for Transparent Remote Examination, Diagnosis, and Rehabilitation. , 2021, , .		8
5	Manipulation planning under changing external forces. Autonomous Robots, 2020, 44, 1249-1269.	3.2	4
6	A Robot Architecture for Outdoor Competitions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 629-646.	2.0	7
7	Performance Study on dqRNEA â€“ A Novel Dual Quaternion Based Recursive Newton-Euler Inverse Dynamics Algorithms. , 2019, , .		1
8	Manipulation Planning Using Environmental Contacts to Keep Objects Stable under External Forces. , 2019, , .		4
9	A real-time web-based networked control system education platform. International Journal of Electrical Engineering and Education, 2018, 55, 130-141.	0.4	5
10	Robust Controller Design for Attitude Dynamics Subjected to Time-Delayed State Measurements. IEEE Transactions on Automatic Control, 2018, 63, 2191-2198.	3.6	4
11	Planning for Muscular and Peripersonal-Space Comfort During Human-Robot Forceful Collaboration. , 2018, , .		17
12	Manipulation Planning Under Changing External Forces. , 2018, , .		12
13	An Autonomous Mobile Robot Architecture for Outdoor Competitions. , 2018, , .		1
14	Hybrid kinematic control for rigid body pose stabilization using dual quaternions. Journal of the Franklin Institute, 2017, 354, 2769-2787.	1.9	30
15	Dual quaternion-based bimodal global control for robust rigid body pose kinematic stabilization. , 2017, , .		5
16	Design of singularity-robust and task-priority primitive controllers for cooperative manipulation using dual quaternion representation. , 2017, , .		2
17	Quaternion-based $\hat{\mathbf{a}}_{\infty}$ attitude tracking control of rigid bodies with time-varying delay in attitude measurements. , 2016, , .		1
18	Robust stability of networked control systems with dynamic controllers in the feedback loop. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A dual quaternion linear-quadratic optimal controller for trajectory tracking. , 2015, , .		7
20	Quaternion-based H_{∞} kinematic attitude control subjected to input time-varying delays. , 2015, , .		1
21	Switching strategy for flexible task execution using the cooperative dual task-space framework. , 2014, , .		16
22	An improved stability criterion of networked control systems with dynamic controllers in the feedback loop. , 2014, , .		2
23	Robust H_{∞} Output Tracking Control for a Class of Nonlinear Systems with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2014, 33, 1451-1471.	1.2	8
24	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.	1.2	7
25	Robust kinematic control of manipulator robots using dual quaternion representation. , 2013, , .		37
26	Novel stabilization technique for the H_{∞} control of systems with time-varying input delay. , 2013, , .		1
27	Delay-Dependent Robust H_{∞} Output Tracking Control for Uncertain Networked Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3256-3261.	0.4	4
28	Robust stability criteria for uncertain systems with delay and its derivative varying within intervals. , 2011, , .		3
29	A delay-fractioning approach to stability analysis of networked control systems with time-varying delay. , 2011, , .		1
30	New delay-and-delay-derivative-dependent stability criteria for systems with time-varying delay. , 2010, , .		7
31	Stability of networked control systems with dynamic controllers in the feedback loop. , 2010, , .		6
32	Robust stability of networked control systems. , 2009, , .		10