

David Cabecinhas

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

757
citations

15
h-index

26
g-index

57
ext. papers

1,029
ext. citations

4.2
avg, IF

4.51
L-index

#	Paper	IF	Citations
52	2021, 5, 169-174		7
51	Quadrotor going through a window and landing: An image-based visual servo control approach. <i>Control Engineering Practice</i> , 2021, 112, 104827	3.9	2
50	. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 1-1	8.9	7
49	Design and experimental validation of a nonlinear controller for underactuated surface vessels. <i>Nonlinear Dynamics</i> , 2020, 102, 2563-2581	5	4
48	Global Practical Tracking for a Hovercraft with Unmeasured Linear Velocity and Disturbances. <i>IFAC-PapersOnLine</i> , 2020, 53, 8959-8964	0.7	1
47	A 3-D Trailer Approach to Leader-Following Formation Control. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 2292-2308	4.8	3
46	Adaptive vehicle posture and height synchronization control of active air suspension systems with multiple uncertainties. <i>Nonlinear Dynamics</i> , 2020, 99, 2109-2127	5	5
45	Cooperative Path Following Control of Multiple Quadcopters With Unknown External Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 1-13	7.3	0
44	A trajectory tracking control law for a quadrotor with slung load. <i>Automatica</i> , 2019, 106, 384-389	5.7	20
43	. <i>IEEE Access</i> , 2019, 7, 59185-59199	3.5	13
42	Robust Motion Control of an Underactuated Hovercraft. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 2195-2208	4.8	22
41	Nonlinear Backstepping Control of a Quadrotor-Slung Load System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 2304-2315	5.5	35
40	Path Following Controller Design for an Underactuated Hovercraft with External Disturbances 2019,		1
39	Trajectory Tracking Control of a nonlinear Autonomous Surface Vessel 2019,		2
38	Multi-vehicle Cooperative Control for Load Transportation. <i>IFAC-PapersOnLine</i> , 2019, 52, 358-363	0.7	2
37	Quadrotor trajectory generation and tracking for aggressive maneuvers with attitude constraints. <i>IFAC-PapersOnLine</i> , 2019, 52, 55-60	0.7	7
36	Integrated Visual Servoing Solution to Quadrotor Stabilization and Attitude Estimation Using a Pan and Tilt Camera. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 14-29	4.8	3

35	Hovercraft Control With Dynamic Parameters Identification. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 785-796	4.8	15
34	LiDAR-Based Control of Autonomous Rotorcraft for the Inspection of Pierlike Structures. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1430-1438	4.8	12
33	Leader following trajectory planning: A trailer-like approach. <i>Automatica</i> , 2017 , 75, 77-87	5.7	7
32	Robust Landing and Sliding Maneuver Hybrid Controller for a Quadrotor Vehicle. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 400-412	4.8	40
31	Landing of a Quadrotor on a Moving Target Using Dynamic Image-Based Visual Servo Control. <i>IEEE Transactions on Robotics</i> , 2016 , 32, 1524-1535	6.5	86
30	Robust global trajectory tracking for a class of underactuated vehicles. <i>Automatica</i> , 2015 , 58, 90-98	5.7	32
29	A Globally Stabilizing Path Following Controller for Rotorcraft With Wind Disturbance Rejection. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 708-714	4.8	76
28	Homing on a moving dock for a quadrotor vehicle 2015 ,		1
27	A nonlinear trajectory tracking controller for helicopters: Design and experimental evaluation 2015 ,		2
26	A trajectory tracking LQR controller for a quadrotor: Design and experimental evaluation 2015 ,		3
25	A nonlinear quadrotor trajectory tracking controller with disturbance rejection. <i>Control Engineering Practice</i> , 2014 , 26, 1-10	3.9	105
24	A leader-following trajectory generator with application to quadrotor formation flight. <i>Robotics and Autonomous Systems</i> , 2014 , 62, 1597-1609	3.5	50
23	A nonlinear quadrotor trajectory tracking controller with disturbance rejection 2014 ,		10
22	A hybrid feedback controller for robust global trajectory tracking of quadrotor-like vehicles with minimized attitude error 2014 ,		1
21	Trailer-like leader following trajectory planning 2014 ,		1
20	Landing on a moving target using image-based visual servo control 2014 ,		8
19	Three dimensional trajectory planner for real time leader following 2014 ,		1
18	A robust landing and sliding maneuver controller for a quadrotor vehicle on a sloped incline 2014 ,		3

17	Hybrid Control Strategy for the Autonomous Transition Flight of a Fixed-Wing Aircraft. <i>IEEE Transactions on Control Systems Technology</i> , 2013 , 21, 2194-2211	4.8	15
16	Global trajectory tracking for a class of underactuated vehicles 2013 ,		15
15	Experimental validation of a globally stabilizing feedback controller for a quadrotor aircraft with wind disturbance rejection 2013 ,		3
14	A novel leader-following strategy applied to formations of quadrotors 2013 ,		2
13	Robust Take-Off for a Quadrotor Vehicle. <i>IEEE Transactions on Robotics</i> , 2012 , 28, 734-742	6.5	32
12	Integrated solution to quadrotor stabilization and attitude estimation using a pan and tilt camera 2012 ,		2
11	Transition Control for a fixed-wing Vertical Take-Off and Landing Aircraft*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 7250-7255		1
10	Autonomous Transition Flight for a Vertical Take-Off and Landing aircraft 2011 ,		9
9	Vision-based quadrotor stabilization using a pan and tilt camera 2010 ,		3
8	Robust take-off and landing for a quadrotor vehicle 2010 ,		20
7	Nonlinear trajectory tracking control of a quadrotor vehicle 2009 ,		4
6	Rotorcraft path following control for extended flight envelope coverage 2009 ,		18
5	Almost global stabilization of fully-actuated rigid bodies. <i>Systems and Control Letters</i> , 2009 , 58, 639-645	2.4	10
4	Output-feedback control for almost global stabilization of fully-actuated rigid bodies 2008 ,		7
3	Path-Following Control for Coordinated Turn Aircraft Maneuvers 2007 ,		17
2	Autolanding Controller for a Fixed Wing Unmanned Air Vehicle 2007 ,		12
1	Geometric finite-time inner-outer loop trajectory tracking control strategy for quadrotor slung-load transportation. <i>Nonlinear Dynamics</i> ,1	5	0