

Carlos J F Silvestre

List of Publications by Year in descending order

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362
papers

6,714
citations

71102

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114465

63
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364
all docs

364
docs citations

364
times ranked

3803
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive control with unknown mass estimation for a quadrotor-slung-load system. ISA Transactions, 2023, 133, 412-423.	5.7	9
2	Stochastic and Deterministic State-Dependent Social Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 911-926.	9.3	5
3	Cooperative Path Following Control of Multiple Quadcopters With Unknown External Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 667-679.	9.3	7
4	General resilient consensus algorithms. International Journal of Control, 2022, 95, 1482-1496.	1.9	17
5	Adaptive-Constrained Impedance Control for Human-Robot Co-Transportation. IEEE Transactions on Cybernetics, 2022, 52, 13237-13249.	9.5	74
6	Decentralised navigation systems for bearing-based position and velocity estimation in tiered formations. International Journal of Systems Science, 2022, 53, 504-525.	5.5	0
7	On the Robustness of Nominally Well-Posed Event-Triggered Controllers. , 2022, 6, 415-420.		6
8	Adaptive Backstepping Control of a Quadcopter With Uncertain Vehicle Mass, Moment of Inertia, and Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 549-559.	7.9	37
9	Coordinate-Free Distributed Localization and Circumnavigation for Nonholonomic Vehicles Without Position Information. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2523-2534.	5.8	5
10	Saturated Backstepping-Based Tracking Control of a Quadrotor With Uncertain Vehicle Parameters and External Disturbances. , 2022, 6, 1634-1639.		6
11	Geometric finite-time inner-outer loop trajectory tracking control strategy for quadrotor slung-load transportation. Nonlinear Dynamics, 2022, 107, 2291-2308.	5.2	18
12	A Recursive Algorithm for Secure Filtering for Two-Dimensional State-Saturated Systems Under Network-Based Deception Attacks. IEEE Transactions on Network Science and Engineering, 2022, 9, 678-688.	6.4	11
13	Fast Desynchronization Algorithms for Decentralized Medium Access Control Based on Iterative Linear Equation Solvers. IEEE Transactions on Automatic Control, 2022, 67, 6219-6226.	5.7	2
14	Aggressive maneuvers for a quadrotor-slung-load system through fast trajectory generation and tracking. Autonomous Robots, 2022, 46, 499-513.	4.8	11
15	Adaptive ride height controller design for vehicle active suspension systems with uncertain sprung mass and time-varying disturbance. International Journal of Robust and Nonlinear Control, 2022, 32, 5950-5966.	3.7	4
16	Discrete-time distributed Kalman filter design for networks of interconnected systems with linear time-varying dynamics. International Journal of Systems Science, 2022, 53, 1334-1351.	5.5	6
17	Relaxed bearing rigidity and bearing formation control under persistence of excitation. Automatica, 2022, 141, 110289.	5.0	10
18	Some properties of time-varying bearing formation. European Journal of Control, 2022, 68, 100699.	2.6	4

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19	Global Saturated Tracking Control of a Quadcopter With Experimental Validation. , 2021, 5, 169-174.		19
20	Resilient Desynchronization for Decentralized Medium Access Control. , 2021, 5, 803-808.		9
21	Node and network resistance to bribery in multi-agent systems. Systems and Control Letters, 2021, 147, 104842.	2.3	5
22	Distributed controller design and performance optimization for discrete-time linear systems. Optimal Control Applications and Methods, 2021, 42, 126-143.	2.1	4
23	Nonlinear Ride Height Control of Active Air Suspension System with Output Constraints and Time-Varying Disturbances. Sensors, 2021, 21, 1539.	3.8	6
24	Attitude, body-fixed Earth rotation rate, and sensor bias estimation using single observations of direction of gravitational field. Automatica, 2021, 125, 109475.	5.0	4
25	The robust minimal controllability and observability problem. International Journal of Robust and Nonlinear Control, 2021, 31, 5033-5044.	3.7	5
26	Formation control of a leader-follower structure in three dimensional space using bearing measurements. Automatica, 2021, 128, 109567.	5.0	17
27	Event-triggered global trajectory tracking control of a quadrotor: Synthesis, simulations, and experiments. International Journal of Robust and Nonlinear Control, 2021, 31, 6144-6165.	3.7	7
28	Quadrotor going through a window and landing: An image-based visual servo control approach. Control Engineering Practice, 2021, 112, 104827.	5.5	11
29	Decentralized Control for Multi-agent Missions Based on Flocking Rules. Lecture Notes in Electrical Engineering, 2021, , 445-454.	0.4	13
30	Distinguishability of discrete-time linear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 1452-1478.	3.7	4
31	Kalman filtering technique for attitude estimation on SO(3) using single inertial vector observations. , 2021, , .		0
32	A microscopic-view Infection model based on linear systems. Information Sciences, 2020, 510, 1-15.	6.9	0
33	Hybrid Control for Robust and Global Tracking on Smooth Manifolds. IEEE Transactions on Automatic Control, 2020, 65, 1870-1885.	5.7	13
34	A 3-D Trailer Approach to Leader-Following Formation Control. IEEE Transactions on Control Systems Technology, 2020, 28, 2292-2308.	5.2	7
35	Adaptive vehicle posture and height synchronization control of active air suspension systems with multiple uncertainties. Nonlinear Dynamics, 2020, 99, 2109-2127.	5.2	21
36	Improved Maneuverability for Multirotor Aerial Vehicles using Globally Stabilizing Feedbacks. , 2020, , .		3

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37	A Rendezvous Algorithm for Multi-agent Systems in Disconnected Network Topologies. , 2020, , .		13
38	Global Trajectory Tracking for a Quadrotor through Event-Triggered Control: Synthesis, Simulations, and Experiments. , 2020, , .		2
39	Design and experimental validation of a nonlinear controller for underactuated surface vessels. Nonlinear Dynamics, 2020, 102, 2563-2581.	5.2	13
40	Earth-fixed trajectory and map online estimation: Building on GES sensor-based SLAM filters. Robotics and Autonomous Systems, 2020, 130, 103552.	5.1	1
41	Kalman Filter Cascade for Attitude Estimation on Rotating Earth. IEEE/ASME Transactions on Mechatronics, 2020, 25, 327-338.	5.8	4
42	Bearing-only formation control under persistence of excitation. , 2020, , .		6
43	A general discrete-time method to achieve resilience in consensus algorithms. , 2020, , .		6
44	Attitude observers aided by implicit measurements of the Earth angular velocity. , 2020, , .		1
45	Bearing Leader-Follower Formation Control under Persistence of Excitation. IFAC-PapersOnLine, 2020, 53, 5671-5676.	0.9	4
46	Global Practical Tracking for a Hovercraft with Unmeasured Linear Velocity and Disturbances. IFAC-PapersOnLine, 2020, 53, 8959-8964.	0.9	4
47	Adaptive Neural Network Control in Bilateral Teleoperation Systems with Full-state Constraints. , 2020, , .		3
48	Broadcast and Gossip Stochastic Average Consensus Algorithms in Directed Topologies. IEEE Transactions on Control of Network Systems, 2019, 6, 474-486.	3.7	35
49	Robust Motion Control of an Underactuated Hovercraft. IEEE Transactions on Control Systems Technology, 2019, 27, 2195-2208.	5.2	40
50	Nonlinear Backstepping Control of a Quadrotor-Slung Load System. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2304-2315.	5.8	87
51	Robust global exponential stabilization on the d -dimensional sphere with applications to trajectory tracking for quadrotors. Automatica, 2019, 110, 108534.	5.0	22
52	Attitude estimation using high-grade gyroscopes. Control Engineering Practice, 2019, 92, 104134.	5.5	5
53	Nonlinear Observer on SO(3) for Attitude Estimation on Rotating Earth Using Single Vector Measurements. , 2019, 3, 392-397.		9
54	A trajectory tracking control law for a quadrotor with slung load. Automatica, 2019, 106, 384-389.	5.0	46

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55	Robust Ride Height Control for Active Air Suspension Systems With Multiple Unmodeled Dynamics and Parametric Uncertainties. IEEE Access, 2019, 7, 59185-59199.	4.2	22
56	Attitude observer on the special orthogonal group with Earth velocity estimation. Systems and Control Letters, 2019, 126, 33-39.	2.3	5
57	Calibration of High-Grade Inertial Measurement Units Using a Rate Table. , 2019, 3, 1-4.		6
58	Globally exponentially stable attitude observer with Earth velocity estimation. Asian Journal of Control, 2019, 21, 1409-1422.	3.0	7
59	Path Following Controller Design for an Underactuated Hovercraft with External Disturbances. , 2019, , .		3
60	Sensitivity Analysis for Linear Systems based on Reachability Sets. , 2019, , .		3
61	Desynchronization for Decentralized Medium Access Control based on Gauss-Seidel Iterations. , 2019, , .		9
62	Adaptive Backstepping of Synergistic Hybrid Feedbacks with Application to Obstacle Avoidance. , 2019, , .		5
63	Trajectory Tracking Control of an Underactuated Autonomous Surface Craft in the Presence of Environmental Disturbances. , 2019, , .		0
64	Trajectory planning and control for drone replacement for multidrone cinematography. IFAC-PapersOnLine, 2019, 52, 334-339.	0.9	3
65	Trajectory Tracking Control of a nonlinear Autonomous Surface Vessel. , 2019, , .		2
66	Multi-vehicle Cooperative Control for Load Transportation. IFAC-PapersOnLine, 2019, 52, 358-363.	0.9	3
67	Quadrotor trajectory generation and tracking for aggressive maneuvers with attitude constraints. IFAC-PapersOnLine, 2019, 52, 55-60.	0.9	14
68	Aircraft Landing Using Dynamic Two-Dimensional Image-Based Guidance Control. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2104-2117.	4.7	5
69	Strategies for uncertainty optimization through motion planning in GES sensor-based SLAM. Robotics and Autonomous Systems, 2019, 113, 38-55.	5.1	3
70	Integrated Visual Servoing Solution to Quadrotor Stabilization and Attitude Estimation Using a Pan and Tilt Camera. IEEE Transactions on Control Systems Technology, 2019, 27, 14-29.	5.2	5
71	Discrete-time distributed Kalman filter design for formations of autonomous vehicles. Control Engineering Practice, 2018, 75, 55-68.	5.5	43
72	Hovercraft Control With Dynamic Parameters Identification. IEEE Transactions on Control Systems Technology, 2018, 26, 785-796.	5.2	22

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73	LiDAR-Based Control of Autonomous Rotorcraft for the Inspection of Pierlike Structures. IEEE Transactions on Control Systems Technology, 2018, 26, 1430-1438.	5.2	17
74	Self-Triggered and Event-Triggered Set-Valued Observers. Information Sciences, 2018, 426, 61-86.	6.9	15
75	A globally exponentially stable filter for bearing-only simultaneous localization and mapping with monocular vision. Robotics and Autonomous Systems, 2018, 100, 61-77.	5.1	12
76	Nonlinear Attitude Observer on SO(3) Based on Single Body-Vector Measurements. , 2018, , .		3
77	A Globally Exponentially Stable Solution for Frequency Estimation. , 2018, , .		0
78	A PageRank Algorithm based on Asynchronous Gauss-Seidel Iterations. , 2018, , .		17
79	Going through a window and landing a quadrotor using optical flow. , 2018, , .		0
80	Source Localization and Network Topology Discovery in Infection Networks. , 2018, , .		1
81	Source Localization Based on Acoustic Single Direction Measurements. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2837-2852.	4.7	8
82	Sensor-Based 3-D Pose Estimation and Control of Rotary-Wing UAVs Using a 2-D LiDAR. Advances in Intelligent Systems and Computing, 2018, , 718-729.	0.6	0
83	Stochastic and deterministic fault detection for randomized gossip algorithms. Automatica, 2017, 78, 46-60.	5.0	35
84	Synchronization of Multiagent Systems Using Event-Triggered and Self-Triggered Broadcasts. IEEE Transactions on Automatic Control, 2017, 62, 4741-4746.	5.7	91
85	Hybrid Stabilization of Linear Systems With Reverse Polytopic Input Constraints. IEEE Transactions on Automatic Control, 2017, 62, 6473-6480.	5.7	5
86	Set-based fault detection and isolation for detectable linear parameter-varying systems. International Journal of Robust and Nonlinear Control, 2017, 27, 4381-4397.	3.7	14
87	Discrete-time distributed Kalman filter design for multi-vehicle systems. , 2017, , .		5
88	Fault detection for LPV systems using Set-Valued Observers: A coprime factorization approach. Systems and Control Letters, 2017, 106, 32-39.	2.3	15
89	Leader following trajectory planning: A trailer-like approach. Automatica, 2017, 75, 77-87.	5.0	11
90	Event-triggered output synchronization of heterogeneous multi-agent systems. International Journal of Robust and Nonlinear Control, 2017, 27, 1302-1338.	3.7	15

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91	Actuator Fault Detection and Isolation Based on Multiple-Model Adaptive Estimation (MMAE). Lecture Notes in Electrical Engineering, 2017, , 345-357.	0.4	0
92	Uncertainty characterization of the orthogonal Procrustes problem with arbitrary covariance matrices. Pattern Recognition, 2017, 61, 210-220. Relaxed conditions for uniform complete observability and controllability of LTV systems with bounded realizations 1 This work was supported by the Fundaç�o para a Ci�ncia e a Tecnologia (FCT) through ISR under LARSyS UID/EEA/50009/2013, and through IDMEC, under LAETA UID/EMS/50022/2013 contracts, by the University of Macau Projects MYRG2015-00126-FST and MYRG2015-00127-FST, and by the Macao Science and Technology Development Fund under Grant FDCT/048/2014/A1... IFAC-PapersOnline, 2017, 50, 3598-3605.	8.1	13
93	Relaxed conditions for uniform complete observability and controllability of LTV systems with bounded realizations 1 This work was supported by the Fundaç�o para a Ci�ncia e a Tecnologia (FCT) through ISR under LARSyS UID/EEA/50009/2013, and through IDMEC, under LAETA UID/EMS/50022/2013 contracts, by the University of Macau Projects MYRG2015-00126-FST and MYRG2015-00127-FST, and by the Macao Science and Technology Development Fund under Grant FDCT/048/2014/A1... IFAC-PapersOnline, 2017, 50, 3598-3605.	0.9	4
94	Hybrid feedback for global asymptotic stabilization on a compact manifold. , 2017, , .		5
95	New Design Techniques for Globally Convergent Simultaneous Localization and Mapping: Analysis and Implementation. Lecture Notes in Control and Information Sciences, 2017, , 121-141.	1.0	0
96	Design and Experimental Validation of a USBL Underwater Acoustic Positioning System. Sensors, 2016, 16, 1491.	3.8	34
97	The variational attitude estimator in the presence of bias in angular velocity measurements. , 2016, , .		5
98	Relative attitude observers for three-platform formations with inertial spread observations. , 2016, , .		0
99	Landing of a Quadrotor on a Moving Target Using Dynamic Image-Based Visual Servo Control. IEEE Transactions on Robotics, 2016, 32, 1524-1535.	10.3	129
100	Exponential stabilization of a vectored-thrust vehicle using synergistic potential functions. , 2016, , .		0
101	Fault-tolerant control of an air heating fan using set-valued observers: An experimental evaluation. International Journal of Adaptive Control and Signal Processing, 2016, 30, 336-358.	4.1	3
102	On the stability of the continuous-time Kalman filter subject to exponentially decaying perturbations. Systems and Control Letters, 2016, 89, 41-46.	2.3	2
103	LiDAR-Based Control of Autonomous Rotorcraft for Inspection of Pole-Shaped Structures. Advances in Intelligent Systems and Computing, 2016, , 609-621.	0.6	1
104	Nonlinear Observer for 3D Rigid Body Motion Estimation Using Doppler Measurements. IEEE Transactions on Automatic Control, 2016, 61, 3580-3585.	5.7	12
105	Tightly coupled long baseline/ultra-short baseline integrated navigation system. International Journal of Systems Science, 2016, 47, 1837-1855.	5.5	21
106	Simultaneous localization and mapping for aerial vehicles: a 3-D sensor-based GAS filter. Autonomous Robots, 2016, 40, 881-902.	4.8	17
107	Robust Landing and Sliding Maneuver Hybrid Controller for a Quadrotor Vehicle. IEEE Transactions on Control Systems Technology, 2016, 24, 400-412.	5.2	49
108	Decentralized state observers for range-based position and velocity estimation in acyclic formations with fixed topologies. International Journal of Robust and Nonlinear Control, 2016, 26, 963-994.	3.7	9

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109	A Fault Isolation Toolbox ... Carlos Silvestre is on leave from Instituto Superior Técnico/University of Lisbon, 1049-001 Lisbon, Portugal. The work of Pedro Casau was partially supported by grants SFRH/BD/70656/2010 and the project PEst-OE/EEI/LA0009/2013 both from the Fundação para a Ciência e a Tecnologia. Research by Carlos Silvestre has been supported by projects MYRG118(Y1-L3)-FST12-SSW and MYRG117(Y1-L3)-FST12-MKM of the University of Macau.. IFAC-PapersOnLine, 2015, 48, 283-288.	0.9	2
110	Homing on a moving dock for a quadrotor vehicle. , 2015, , .		3
111	Model-Based Filters for 3-D positioning of marine mammals using AHRS- and GPS-equipped UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 3307-3320.	4.7	11
112	Self-Triggered Set-Valued Observers. , 2015, , .		5
113	Self-triggered state-feedback control of linear plants under bounded disturbances. International Journal of Robust and Nonlinear Control, 2015, 25, 1230-1246.	3.7	14
114	Stochastic Dynamic Causal Modelling of fMRI Data with Multiple-Model Kalman Filters. Methods of Information in Medicine, 2015, 54, 232-239.	1.2	4
115	On the distinguishability of HRF models in fMRI. Frontiers in Computational Neuroscience, 2015, 9, 54.	2.1	6
116	Towards uncertainty optimization in active SLAM. , 2015, , .		3
117	A nonlinear trajectory tracking controller for helicopters: Design and experimental evaluation. , 2015, , .		3
118	Global exponential stabilization on the n-dimensional sphere. , 2015, , .		8
119	A trajectory tracking LQR controller for a quadrotor: Design and experimental evaluation. , 2015, , .		4
120	Finite-time convergence policies in state-dependent social networks. , 2015, , .		3
121	Pseudo-range navigation with clock offset and propagation speed estimation. , 2015, , .		0
122	State estimation of nonlinear systems using the Unscented Kalman Filter. , 2015, , .		3
123	A globally exponentially stable filter for bearing-only simultaneous localization and mapping in 3-D. , 2015, , .		2
124	Simultaneous Localization and mapping in sensor networks: A GES sensor-based filter with moving object tracking. , 2015, , .		1
125	Distributed Fault Detection Using Relative Information in Linear Multi-Agent Networks ... The work from Daniel Silvestre was supported by the project FCT [UID/EEA/50009/2013] and with grant SFRH//BD/71206/2010, from Fundação para a Ciência e a Tecnologia. J. Hespanha was supported by the U.S. Army Research Laboratory and the U.S. Army Research Office under grants No. W911NF-09-1-0553 and W911NF-09-D-0001. C. Silvestre was supported by project MYRG117(Y1-L3)-FST12-MKM of the University of Macau.. IFAC-PapersOnLine, 2015, 48, 446-451.	0.9	7
126	Globally convergent relative attitude observers for three-platform formations. , 2015, , .		1

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127	Navigation systems based on multiple bearing measurements. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2887-2899.	4.7	10
128	A globally asymptotically stabilizing trajectory tracking controller for fully actuated rigid bodies using landmark-based information. International Journal of Robust and Nonlinear Control, 2015, 25, 3617-3640.	3.7	10
129	Distributed state estimation for linear multi-agent systems with time-varying measurement topology. Automatica, 2015, 54, 72-79.	5.0	35
130	Sensor-based globally exponentially stable range-only simultaneous localization and mapping. Robotics and Autonomous Systems, 2015, 68, 72-85.	5.1	12
131	Design and Validation of an RGB-D Based Localization System - Integration in a Docking System. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 423-440.	3.4	5
132	Nonlinear Image-Based Visual Servo Controller for the Flare Maneuver of Fixed-Wing Aircraft Using Optical Flow. IEEE Transactions on Control Systems Technology, 2015, 23, 570-583.	5.2	29
133	Robust global trajectory tracking for a class of underactuated vehicles. Automatica, 2015, 58, 90-98.	5.0	60
134	Stochastic Networked Control Systems with Dynamic Protocols. Asian Journal of Control, 2015, 17, 99-110.	3.0	26
135	A Set-Valued Approach to FDI and FTC of Wind Turbines. IEEE Transactions on Control Systems Technology, 2015, 23, 245-263.	5.2	35
136	A Globally Stabilizing Path Following Controller for Rotorcraft With Wind Disturbance Rejection. IEEE Transactions on Control Systems Technology, 2015, 23, 708-714.	5.2	106
137	Fault Detection and Isolation in Inertial Measurement Units Based on Bounding Sets. IEEE Transactions on Automatic Control, 2015, 60, 1933-1938.	5.7	14
138	A two-step control approach for docking of autonomous underwater vehicles. International Journal of Robust and Nonlinear Control, 2015, 25, 1528-1547.	3.7	24
139	Robust Outliers Detection and Classification for USBL Underwater Positioning Systems. Lecture Notes in Electrical Engineering, 2015, , 555-565.	0.4	7
140	A hybrid feedback controller for robust global trajectory tracking of quadrotor-like vehicles with minimized attitude error. , 2014, , .		1
141	Trailer-like leader following trajectory planning. , 2014, , .		1
142	A hybrid controller for global uniform exponential stabilization of linear systems with singular input constraints. , 2014, , .		2
143	Nonlinear observability and observer design through state augmentation. , 2014, , .		4
144	Landing on a moving target using image-based visual servo control. , 2014, , .		12

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145	Sensor-Based Long Baseline Navigation: Observability Analysis and Filter Design. Asian Journal of Control, 2014, 16, 974-994.	3.0	28
146	Three dimensional trajectory planner for real time leader following. , 2014, , .		1
147	Filter design for localization aided by direction and Doppler measurements. , 2014, , .		0
148	Design and validation of a linear parameter varying localization system. , 2014, , .		0
149	Multiple-model adaptive control using set-valued observers. International Journal of Robust and Nonlinear Control, 2014, 24, 2490-2511.	3.7	11
150	Output regulation for non-square linear multi-rate systems. International Journal of Robust and Nonlinear Control, 2014, 24, 968-990.	3.7	8
151	A robust landing and sliding maneuver controller for a quadrotor vehicle on a sloped incline. , 2014, , .		7
152	Finite-time average consensus in a Byzantine environment using Set-Valued Observers. , 2014, , .		14
153	Output synchronization of heterogeneous LTI plants with event-triggered communication. , 2014, , .		8
154	A nonlinear quadrotor trajectory tracking controller with disturbance rejection. Control Engineering Practice, 2014, 26, 1-10.	5.5	136
155	A leader-following trajectory generator with application to quadrotor formation flight. Robotics and Autonomous Systems, 2014, 62, 1597-1609.	5.1	76
156	Position and Velocity Filters for ASC/I-AUV Tandems Based on Single Range Measurements. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 745-768.	3.4	11
157	Self-Triggered Output Feedback Control of Linear Plants in the Presence of Unknown Disturbances. IEEE Transactions on Automatic Control, 2014, 59, 3040-3045.	5.7	44
158	A Synthesis Method of LTI MIMO Robust Controllers for Uncertain LPV Plants. IEEE Transactions on Automatic Control, 2014, 59, 2234-2240.	5.7	11
159	A nonlinear quadrotor trajectory tracking controller with disturbance rejection. , 2014, , .		14
160	Trajectory Tracking Nonlinear Model Predictive Control for Autonomous Surface Craft. IEEE Transactions on Control Systems Technology, 2014, 22, 2160-2175.	5.2	75
161	Embedded Vehicle Dynamics Aiding for USBL/INS Underwater Navigation System. IEEE Transactions on Control Systems Technology, 2014, 22, 322-330.	5.2	58
162	Automatic 2-D LiDAR geometric calibration of installation bias. Robotics and Autonomous Systems, 2014, 62, 1116-1129.	5.1	7

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163	Attitude and earth velocity estimation - Part I: Globally exponentially stable observer. , 2014, , .		13
164	Model falsification using set-valued observers for a class of discrete-time dynamic systems: a coprime factorization approach. International Journal of Robust and Nonlinear Control, 2014, 24, 2928-2942.	3.7	11
165	Attitude and earth velocity estimation - Part II: Observer on the special orthogonal group. , 2014, , .		7
166	Stability of networked control systems with asynchronous renewal links: An impulsive systems approach. Automatica, 2013, 49, 402-413.	5.0	75
167	Hybrid Control Strategy for the Autonomous Transition Flight of a Fixed-Wing Aircraft. IEEE Transactions on Control Systems Technology, 2013, 21, 2194-2211.	5.2	22
168	Global attitude and gyro bias estimation based on set-valued observers. Systems and Control Letters, 2013, 62, 937-942.	2.3	7
169	Nonlinear Attitude Observer Based on Range and Inertial Measurements. IEEE Transactions on Control Systems Technology, 2013, 21, 1889-1897.	5.2	7
170	Stochastic Hybrid Systems with Renewal Transitions: Moment Analysis with Application to Networked Control Systems with Delays. SIAM Journal on Control and Optimization, 2013, 51, 1481-1499.	2.1	36
171	Preliminary results on the estimation performance of single range source localization. , 2013, , .		1
172	GES source localization based on discrete-time position and single range measurements. , 2013, , .		5
173	Global trajectory tracking for a class of underactuated vehicles. , 2013, , .		19
174	A received signal strength indication-based localization system. , 2013, , .		8
175	Tightly coupled ultrashort baseline and inertial navigation system for underwater vehicles: An experimental validation. Journal of Field Robotics, 2013, 30, 142-170.	6.0	79
176	Globally Asymptotically Stable Sensor-Based Simultaneous Localization and Mapping. IEEE Transactions on Robotics, 2013, 29, 1380-1395.	10.3	36
177	Globally exponentially stable filters for source localization and navigation aided by direction measurements. Systems and Control Letters, 2013, 62, 1065-1072.	2.3	25
178	Fault detection and isolation of LPV systems using set-valued observers: An application to a fixed-wing aircraft. Control Engineering Practice, 2013, 21, 242-252.	5.5	39
179	Decentralized linear state observers for vehicle formations with time-varying topologies. , 2013, , .		2
180	Experimental validation of a globally stabilizing feedback controller for a quadrotor aircraft with wind disturbance rejection. , 2013, , .		7

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181	GAS decentralized navigation filters in a continuous-discrete fixed topology framework. , 2013, , .		3
182	Gossip average consensus in a Byzantine environment using stochastic Set-Valued Observers. , 2013, , .		16
183	Preliminary results on globally asymptotically stable simultaneous localization and mapping in 3-D. , 2013, , .		11
184	Sensor-based globally asymptotically stable range-only simultaneous localization and mapping. , 2013, , .		3
185	Nonlinear observer for 3D rigid body motion. , 2013, , .		16
186	GES source localization and navigation based on discrete-time bearing measurements. , 2013, , .		6
187	Further results on the observability in magneto-inertial navigation. , 2013, , .		3
188	A novel leader-following strategy applied to formations of quadrotors. , 2013, , .		8
189	Experimental validation of a nonlinear quadrotor controller with wind disturbance rejection. , 2013, , .		2
190	GES tightly coupled attitude estimation based on a LBL/USBL positioning system. , 2013, , .		0
191	Trajectory tracking nonlinear model predictive control for autonomous surface craft. , 2013, , .		6
192	3-D inertial trajectory and map online estimation: Building on a GAS sensor-based SLAM filter. , 2013, , .		12
193	GAS tightly coupled LBL/USBL position and velocity filter for underwater vehicles. , 2013, , .		5
194	Observer based self-triggered control of linear plants with unknown disturbances. , 2012, , .		11
195	Visual servo aircraft control for tracking parallel curves. , 2012, , .		8
196	Observer based self-triggered control of an acyclic interconnection of linear plants. , 2012, , .		1
197	Saturated output feedback control of a quadrotor aircraft. , 2012, , .		21
198	Decentralized range-based linear motion estimation in acyclic vehicle formations with fixed topologies. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
199	Position and velocity filters for intervention AUVs based on single range and depth measurements. , 2012, , .		6
200	Sensor-based simultaneous localization and mapping — Part I: GAS robocentric filter. , 2012, , .		7
201	A landmark-based controller for global asymptotic stabilization on SE(3). , 2012, , .		1
202	Integrated solution to quadrotor stabilization and attitude estimation using a pan and tilt camera. , 2012, , .		3
203	Set-Valued Observers for attitude and rate gyro bias estimation. , 2012, , .		3
204	GAS Ocean Current Estimation with Limited Velocity Readings. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 337-342.	0.4	1
205	Robust Take-Off for a Quadrotor Vehicle. IEEE Transactions on Robotics, 2012, 28, 734-742.	10.3	47
206	Reactive power compensation using on board stored energy in Electric Vehicles. , 2012, , .		10
207	Terrain Avoidance Nonlinear Model Predictive Control for Autonomous Rotorcraft. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 68, 69-85.	3.4	5
208	Attitude Estimation for Intervention-AUVs Working in Tandem with Autonomous Surface Craft. European Journal of Control, 2012, 18, 485-495.	2.6	4
209	Almost global stabilization of a vertical take-off and landing aircraft in hovered flight. , 2012, , .		4
210	Multiple-model adaptive control of an air heating fan using set-valued observers. , 2012, , .		4
211	A set-valued observer approach to multiple-model adaptive control of neuromuscular blockade. , 2012, , .		0
212	GES integrated LBL/USBL navigation system for underwater vehicles. , 2012, , .		18
213	Globally asymptotically stable filter for navigation aided by direction and depth measurements. , 2012, , .		1
214	Haemodynamic Response Function (HRF) model selection in fMRI using Kalman filtering. , 2012, , .		0
215	A two-step control strategy for docking of Autonomous Underwater Vehicles. , 2012, , .		11
216	Sensor-based simultaneous localization and mapping — Part II: Online inertial map and trajectory estimation. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
217	Wind turbines Fault Detection and identification using Set-Valued Observers. , 2012, , .		2
218	Fault Detection and Isolation for Inertial Measurement Units. , 2012, , .		4
219	Volterra Integral Approach to Impulsive Renewal Systems: Application to Networked Control. IEEE Transactions on Automatic Control, 2012, 57, 607-619.	5.7	60
220	Sensor-Based Globally Asymptotically Stable Filters for Attitude Estimation: Analysis, Design, and Performance Evaluation. IEEE Transactions on Automatic Control, 2012, 57, 2095-2100.	5.7	55
221	Cooperative control of multiple surface vessels with discrete-time periodic communications. International Journal of Robust and Nonlinear Control, 2012, 22, 398-419.	3.7	65
222	Globally exponentially stable cascade observers for attitude estimation. Control Engineering Practice, 2012, 20, 148-155.	5.5	46
223	A GES attitude observer with single vector observations. Automatica, 2012, 48, 388-395.	5.0	55
224	Decentralized observers for position and velocity estimation in vehicle formations with fixed topologies. Systems and Control Letters, 2012, 61, 443-453.	2.3	28
225	Continuous-time consensus with discrete-time communications. Systems and Control Letters, 2012, 61, 788-796.	2.3	18
226	Preliminary results from project MAST/AM-advanced tracking and telemetry methodologies to study marine animals. , 2011, , .		3
227	On the distinguishability of discrete linear time-invariant dynamic systems. , 2011, , .		30
228	UAV-based marine mammals positioning and tracking system. , 2011, , .		6
229	Globally asymptotically stable filters for source localization and navigation aided by direction measurements. , 2011, , .		4
230	Optimal attitude estimation using Set-Valued Observers. , 2011, , .		3
231	Stochastic networked control systems with dynamic protocols. , 2011, , .		3
232	Partial attitude and rate gyro bias estimation: observability analysis, filter design, and performance evaluation. International Journal of Control, 2011, 84, 895-903.	1.9	10
233	Discrete-Time Complementary Filters for Attitude and Position Estimation: Design, Analysis and Experimental Validation. IEEE Transactions on Control Systems Technology, 2011, 19, 181-198.	5.2	56
234	Combination of Lyapunov and Density Functions for Stability of Rotational Motion. IEEE Transactions on Automatic Control, 2011, 56, 2599-2607.	5.7	14

#	ARTICLE	IF	CITATIONS
235	A Nonlinear Attitude Observer Based on Active Vision and Inertial Measurements. IEEE Transactions on Robotics, 2011, 27, 664-677.	10.3	23
236	Model Falsification of LPV Systems Using Set-Valued Observers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1546-1551.	0.4	9
237	GES Attitude Observers " Part I: Multiple General Vector Observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2985-2990.	0.4	6
238	GES Attitude Observers " Part II: Single Vector Observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2991-2996.	0.4	7
239	Self-triggered observer based control of linear plants*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10074-10079.	0.4	8
240	INS/GPS Aided by Frequency Contents of Vector Observations With Application to Autonomous Surface Crafts. IEEE Journal of Oceanic Engineering, 2011, 36, 347-363.	3.8	26
241	Geometric Approach to Strapdown Magnetometer Calibration in Sensor Frame. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1293-1306.	4.7	249
242	Position USBL/DVL sensor-based navigation filter in the presence of unknown ocean currents. Automatica, 2011, 47, 2604-2614.	5.0	53
243	Accelerometer Calibration and Dynamic Bias and Gravity Estimation: Analysis, Design, and Experimental Evaluation. IEEE Transactions on Control Systems Technology, 2011, 19, 1128-1137.	5.2	65
244	Vector-Based Attitude Filter for Space Navigation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 64, 221-243.	3.4	7
245	Vision-based control for rigid body stabilization. Automatica, 2011, 47, 1020-1027.	5.0	13
246	Stability overlay for adaptive control laws. Automatica, 2011, 47, 1007-1014.	5.0	14
247	On the observability of linear motion quantities in navigation systems. Systems and Control Letters, 2011, 60, 101-110.	2.3	42
248	Single range aided navigation and source localization: Observability and filter design. Systems and Control Letters, 2011, 60, 665-673.	2.3	129
249	Model falsification using SVOs for a class of discrete-time dynamic systems: A coprime factorization approach. , 2011, , .		0
250	Automatic LADAR calibration methods using geometric optimization. , 2011, , .		2
251	Average consensus and gossip algorithms in networks with stochastic asymmetric communications. , 2011, , .		9
252	Computationally efficient GES cascade observer for attitude estimation. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
253	Self-triggered output feedback control of linear plants. , 2011, , .		18
254	A closed-loop design methodology for underwater transducers pulse-shaping. , 2011, , .		3
255	Autonomous Transition Flight for a Vertical Take-Off and Landing aircraft. , 2011, , .		13
256	A Sensor-based Long Baseline Position and Velocity Navigation Filter for Underwater Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 302-307.	0.4	19
257	Towards a Deliberative Mission Control System for an AUV. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 509-514.	0.4	0
258	Fault Detection and Isolation of an Aircraft Using Set-Valued Observers *. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 398-403.	0.4	7
259	TRIDENT: A Framework for Autonomous Underwater Intervention Missions with Dexterous Manipulation Capabilities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 187-192.	0.4	31
260	Optimal position and velocity navigation filters for autonomous vehicles. Automatica, 2010, 46, 767-774.	5.0	49
261	A nonlinear position and attitude observer on SE(3) using landmark measurements. Systems and Control Letters, 2010, 59, 155-166.	2.3	99
262	Embedded UAV model and LASER aiding techniques for inertial navigation systems. Control Engineering Practice, 2010, 18, 262-278.	5.5	48
263	Cooperative control of multiple surface vessels in the presence of ocean currents and parametric model uncertainty. International Journal of Robust and Nonlinear Control, 2010, 20, 1549-1565.	3.7	109
264	A time differences of arrival-based homing strategy for autonomous underwater vehicles. International Journal of Robust and Nonlinear Control, 2010, 20, 1758-1773.	3.7	13
265	On the design of multi-rate tracking controllers: Application to rotorcraft guidance and control. International Journal of Robust and Nonlinear Control, 2010, 20, 1879-1902.	3.7	11
266	Multiple-Model Set-Valued Observers: A new tool for HRF model selection in fMRI. , 2010, 2010, 5704-7.		4
267	Impulsive systems triggered by superposed renewal processes. , 2010, , .		7
268	Self-triggered state feedback control of linear plants under bounded disturbances. , 2010, , .		14
269	Vision-based quadrotor stabilization using a pan and tilt camera. , 2010, , .		5
270	Position USBL/DVL sensor-based navigation filter in the presence of unknown ocean currents. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
271	Experimental evaluation of a nonlinear attitude observer based on image and inertial measurements. , 2010, , .		3
272	Single beacon navigation: Observability analysis and filter design. , 2010, , .		30
273	Stochastic Hybrid Systems with renewal transitions. , 2010, , .		5
274	Nonlinear IBVS controller for the flare maneuver of fixed-wing aircraft using optical flow. , 2010, , .		14
275	Multiple vehicles mission coordination using Petri nets. , 2010, , .		12
276	Fault Detection and Isolation of LTV systems using Set-Valued Observers. , 2010, , .		38
277	Robust take-off and landing for a quadrotor vehicle. , 2010, , .		23
278	Design and experimental evaluation of an integrated USBL/INS system for AUVs. , 2010, , .		19
279	Low-cost Attitude and Heading Reference System: Filter design and experimental evaluation. , 2010, , .		24
280	Nonlinear trajectory tracking control of a quadrotor vehicle. , 2009, , .		15
281	Single range navigation in the presence of constant unknown drifts. , 2009, , .		15
282	Continuous-time consensus with discrete-time communication. , 2009, , .		0
283	Necessary and sufficient conditions for the observability of linear motion quantities in strapdown navigation systems. , 2009, , .		7
284	Rotorcraft path following control for extended flight envelope coverage. , 2009, , .		21
285	Control of impulsive renewal systems: Application to direct design in networked control. , 2009, , .		15
286	Multiple-model adaptive control with set-valued observers. , 2009, , .		15
287	Combination of Lyapunov functions and density functions for stability of rotational motion. , 2009, , .		1
288	Stability overlay for adaptive control laws applied to linear time-invariant systems. , 2009, , .		11

#	ARTICLE	IF	CITATIONS
289	Nonlinear attitude estimation using active vision and inertial measurements. , 2009, , .		1
290	Stability of impulsive systems driven by renewal processes. , 2009, , .		9
291	Underwater vehicle technology in the European Research Project VENUS. Underwater Technology, 2009, 28, 175-185.	0.3	7
292	Stability and performance robustness tradeoffs: MIMO mixed μ vs complex design. International Journal of Robust and Nonlinear Control, 2009, 19, 259-294.	3.7	8
293	Almost global stabilization of fully-actuated rigid bodies. Systems and Control Letters, 2009, 58, 639-645.	2.3	13
294	Discrete time-varying attitude complementary filter. , 2009, , .		16
295	Adaptive control for autonomous rotorcraft. , 2009, , .		5
296	A Bottom-Following Preview Controller for Autonomous Underwater Vehicles. IEEE Transactions on Control Systems Technology, 2009, 17, 257-266.	5.2	54
297	A Sensor-Based Controller for Homing of Underactuated AUVs. IEEE Transactions on Robotics, 2009, 25, 701-716.	10.3	42
298	Using petri nets to specify and execute missions for autonomous underwater vehicles. , 2009, , .		15
299	Position and velocity optimal sensor-based navigation filters for UAVs. , 2009, , .		12
300	Position and Velocity Navigation Systems for Unmanned Vehicles. IEEE Transactions on Control Systems Technology, 2009, 17, 707-715.	5.2	3
301	Integration of the Stability Overlay (SO) with the Robust Multiple-Model Adaptive Control (RMMAC). , 2009, , .		2
302	Stability Overlay for linear and nonlinear time-varying plants. , 2009, , .		5
303	Sensor-based complementary globally asymptotically stable filters for attitude estimation. , 2009, , .		21
304	Coordinated Path-Following in the Presence of Communication Losses and Time Delays. SIAM Journal on Control and Optimization, 2009, 48, 234-265.	2.1	172
305	Cooperative Autonomous Marine Vehicle motion control in the scope of the EU GREX Project: Theory and Practice. , 2009, , .		34
306	Mission Control System for an Autonomous Vehicle: Application Study of a Dam Inspection using an AUV. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 66-71.	0.4	2

#	ARTICLE	IF	CITATIONS
307	Output-feedback control for stabilization on. Systems and Control Letters, 2008, 57, 1013-1022.	2.3	31
308	Optimal position and velocity navigation filters with discrete-time delayed measurements. , 2008, , .		0
309	Nonlinear and geometric optimization methods for LADAR calibration. , 2008, , .		3
310	A Nonlinear GPS/IMU based observer for rigid body attitude and position estimation. , 2008, , .		43
311	Output-feedback control for almost global stabilization of fully-actuated rigid bodies. , 2008, , .		10
312	On the design of rotorcraft landing controllers. , 2008, , .		2
313	A dynamic estimator on SE(3) using range-only measurements. , 2008, , .		4
314	Computationally efficient methods for digital control. , 2008, , .		0
315	Kalman and H ∞ Optimal Filtering for a Class of Kinematic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12528-12533.	0.4	4
316	Towards a Mission Control Language for AUVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15028-15033.	0.4	5
317	Compliant coordination and control of multiple vehicles with discrete-time periodic communications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15996-16001.	0.4	2
318	Synchronization in multi-agent systems with switching topologies and non-homogeneous communication delays. , 2007, , .		32
319	Observer design for a class of kinematic systems. , 2007, , .		1
320	Landmark based nonlinear observer for rigid body attitude and position estimation. , 2007, , .		36
321	Further evaluation of the RMMAC method with time-varying parameters. , 2007, , .		7
322	Coordinated control of multiple vehicles with discrete-time periodic communications. , 2007, , .		11
323	Vision-based control for rigid body stabilization. , 2007, , .		6
324	COOPERATIVE PATH-FOLLOWING OF MULTIPLE SURFACE VESSELS WITH PARAMETRIC MODEL UNCERTAINTY AND IN THE PRESENCE OF OCEAN CURRENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 84-89.	0.4	0

#	ARTICLE	IF	CITATIONS
325	PATH-FOLLOWING CONTROL OF FULLY-ACTUATED SURFACE VESSELS IN THE PRESENCE OF OCEAN CURRENTS1 1Research supported in part by project GREX / CEC-IST (Contract No. 035223), project MAYA-Sub of the AdI (PT), the FREESUBNET RTN of the CEC, and the FCT-ISR/IST plurianual funding program (through the POS-Conhecimento Program initiative in cooperation with FEDER).. IFAC Postprint Volumes IPNV / International Federation of Automatic Control, 2007, 40, 26-31.	0.4	5
326	Path-Following Control for Coordinated Turn Aircraft Maneuvers. , 2007, , .		20
327	On the Design of Multi-Rate Tracking Controllers: An Application to Rotorcraft Guidance and Control. , 2007, , .		4
328	Autolanding Controller for a Fixed Wing Unmanned Air Vehicle. , 2007, , .		21
329	Evaluation of the RMMAC/XI method with time-varying parameters and disturbance statistics. , 2007, , .		6
330	Non-linear co-ordinated path following control of multiple wheeled robots with bidirectional communication constraints. International Journal of Adaptive Control and Signal Processing, 2007, 21, 133-157.	4.1	67
331	Depth control of the INFANTE AUV using gain-scheduled reduced order output feedback. Control Engineering Practice, 2007, 15, 883-895.	5.5	65
332	Embedded Vehicle Dynamics and LASER Aiding Techniques for Inertial Navigation Systems. , 2006, , .		5
333	A Path-Following Preview Controller for Autonomous Air Vehicles. , 2006, , .		24
334	USBL/INS Tightly-Coupled Integration Technique for Underwater Vehicles. , 2006, , .		44
335	Vehicle and Mission Control of the DELFIM Autonomous Surface Craft. , 2006, , .		69
336	A Sensor Based Homing Strategy for Autonomous Underwater Vehicles. , 2006, , .		3
337	A Quaternion Sensor Based Controller for Homing of Underactuated AUVs. , 2006, , .		8
338	Coordinated path following control of multiple wheeled robots using linearization techniques. International Journal of Systems Science, 2006, 37, 399-414.	5.5	43
339	Uncertainty vs Performance Trade-Offs in Robust Feedback Control: A MIMO Case Study. , 2006, , .		3
340	Output-feedback control for stabilization on SE(3). , 2006, , .		5
341	A Bottom-Following Preview Controller for Autonomous Underwater Vehicles. , 2006, , .		5
342	Coordinated path-following control of multiple underactuated autonomous vehicles in the presence of communication failures. , 2006, , .		72

#	ARTICLE	IF	CITATIONS
343	Affine Parameter-Dependent Preview Control for Rotorcraft Terrain Following Flight. Journal of Guidance, Control, and Dynamics, 2006, 29, 1350-1359.	2.8	32
344	Coordinated Path Following Control of Multiple Vehicles subject to Bidirectional Communication Constraints. , 2006, , 93-111.		1
345	A 3D PATH-FOLLOWING VELOCITY-TRACKING CONTROLLER FOR AUTONOMOUS VEHICLES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 73-78.	0.4	7
346	Inertial Navigation System Aided by GPS and Selective Frequency Contents of Vector Measurements. , 2005, , .		8
347	Terrain Following Controller for Affine Parameter-Dependent Systems: An Application to Model-Scale Helicopters. , 2005, , .		1
348	Control of the INFANTE AUV using gain scheduled static output feedback. Control Engineering Practice, 2004, 12, 1501-1509.	5.5	45
349	Coordinated path following control of multiple wheeled robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 382-387.	0.4	6
350	Dynamic Modeling and Stability Analysis of Model-Scale Helicopters with Bell-Hiller Stabilizing Bar. , 2003, , .		29
351	The use of "CARAVELA 2000" vehicles in operational oceanography. Elsevier Oceanography Series, 2002, 66, 281-288.	0.1	3
352	On the design of gain-scheduled trajectory tracking controllers. International Journal of Robust and Nonlinear Control, 2002, 12, 797-839.	3.7	72
353	Mission control of the MARIUS autonomous underwater vehicle: system design, implementation and sea trials. International Journal of Systems Science, 1998, 29, 1065-1080.	5.5	31
354	Trajectory Tracking for Autonomous Vehicles: An Integrated Approach to Guidance and Control. Journal of Guidance, Control, and Dynamics, 1998, 21, 29-38.	2.8	279
355	Plant/controller optimization with applications to integrated surface sizing and feedback controller design for autonomous underwater vehicles (AUVs). , 1998, , .		4
356	Control of an AUV in the vertical and horizontal planes: system design and tests at sea. Transactions of the Institute of Measurement and Control, 1997, 19, 126-138.	1.7	25
357	MARIUS: an autonomous underwater vehicle for coastal oceanography. IEEE Robotics and Automation Magazine, 1997, 4, 46-59.	2.0	31
358	Navigation, guidance and control of AUVs: An application to the MARIUS vehicle. Control Engineering Practice, 1996, 4, 401-409.	5.5	42
359	Robotic ocean vehicles for marine science applications: the European ASIMOV project. , 0, , .		76
360	Nonlinear coordinated path following control of multiple wheeled robots with communication constraints. , 0, , .		7

#	ARTICLE	IF	CITATIONS
361	Coordinated Path Following Control of Multiple Wheeled Robots with Directed Communication Links. , 0, , .		19
362	Decentralized control and state estimation of linear timeâ€periodic systems. International Journal of Robust and Nonlinear Control, 0, , .	3.7	1