

# HÃ©lÃ¨ne Piet-Lahanier

## List of Publications by Year in descending order

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64  
papers

1,374  
citations

516710

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361022

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65  
all docs

65  
docs citations

65  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed event-triggered formation control for multi-agent systems in presence of packet losses. Automatica, 2022, 141, 110215.	5.0	6
2	Bounded-error target localization and tracking using a fleet of UAVs. Automatica, 2021, 132, 109809.	5.0	8
3	Bounded-error target localization and tracking in presence of decoys using a fleet of UAVs. IFAC-PapersOnLine, 2020, 53, 9521-9528.	0.9	2
4	Distributed event-triggered control strategies for multi-agent formation stabilization and tracking. Automatica, 2019, 106, 110-116.	5.0	33
5	A Box Regularized Particle Filter for state estimation with severely ambiguous and non-linear measurements. Automatica, 2019, 104, 102-110.	5.0	11
6	A survey of automatic control methods for liquid-propellant rocket engines. Progress in Aerospace Sciences, 2019, 107, 63-84.	12.1	25
7	Collaborative multiple micro air vehiclesâ€™ localization and target tracking in GPS-denied environment from rangeâ€™ velocity measurements. International Journal of Micro Air Vehicles, 2018, 10, 225-239.	1.3	17
8	Actuator Fault Tolerant System For Cryogenic Combustion Bench Cooling Circuit. IFAC-PapersOnLine, 2018, 51, 592-599.	0.9	4
9	Cooperative fault detection and isolation in a surveillance sensor network: a case study. IFAC-PapersOnLine, 2018, 51, 790-797.	0.9	9
10	Box Particle Control for Aerospace Vehicles Guidance Under Failure Probability Constraints. , 2018, , .		0
11	Derivation and Analysis of a State-Space Model for Transient Control of Liquid-Propellant Rocket Engines. , 2018, , .		4
12	Trajectory and guidance scheme design for free flight test of hypersonic vehicle. , 2017, , .		1
13	Collaborative multi-vehicle localization with respect to static/dynamic target from range and velocity measurements. , 2017, , .		1
14	Distributed event-triggered control for multi-agent formation stabilization. IFAC-PapersOnLine, 2017, 50, 8025-8030.	0.9	7
15	Event-Triggered Model Predictive Control for target tracking with angles-only measurements. IFAC-PapersOnLine, 2017, 50, 15959-15964.	0.9	1
16	Enhanced cooperative navigation by data fusion from IMU, ambiguous terrain navigation, and coarse relative states. , 2017, , .		1
17	A new expected-improvement algorithm for continuous minimax optimization. Journal of Global Optimization, 2016, 64, 785-802.	1.8	20
18	New state estimator for decentralized event-triggered consensus for multi-agent systems. IFAC-PapersOnLine, 2016, 49, 365-370.	0.9	1

#	ARTICLE	IF	CITATIONS
19	A Box Regularized Particle Filter for terrain navigation with highly non-linear measurements**The authors would like to thank the COGENT Computing lab (Coventry University) for their financial support.. IFAC-PapersOnLine, 2016, 49, 361-366.	0.9	15
20	Fault diagnosis benchmark for a rocket engine demonstrator. IFAC-PapersOnLine, 2015, 48, 895-900.	0.9	3
21	HMS developments for the rocket engine demonstrator Mascotte. , 2015, , .		1
22	Global extremum seeking by Kriging with a multi-agent system. IFAC-PapersOnLine, 2015, 48, 526-531.	0.9	6
23	Analysis and optimization of an air-launch-to-orbit separation. Acta Astronautica, 2015, 108, 18-29.	3.2	26
24	A Multi-level Optimization Approach for the Planning of Heterogeneous Sensor Networks. Advances in Intelligent Systems and Computing, 2015, , 221-233.	0.6	1
25	Model predictive control of cooperative vehicles using systematic search approach. Control Engineering Practice, 2014, 32, 204-217.	5.5	23
26	Cooperative allocation and guidance for air defence application. Control Engineering Practice, 2014, 32, 236-244.	5.5	14
27	Adaptation of the Morris method to multi-dimensional factors for air-launch-to-orbit separation. , 2014, , .		1
28	Cooperative Guidance of Lego Mindstorms NXT Mobile Robots. , 2014, , .		5
29	Improvement of the Representativity of the Morris Method for Air-Launch-to-Orbit Separation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7954-7959.	0.4	19
30	Development of model-based fault diagnosis algorithms for MASCOTTE cryogenic test bench. Journal of Physics: Conference Series, 2014, 570, 072006.	0.4	3
31	Worst-case global optimization of black-box functions through Kriging and relaxation. Journal of Global Optimization, 2013, 55, 707-727.	1.8	57
32	Formation flying control via elliptical virtual structure. , 2013, , .		3
33	A new strategy for worst-case design from costly numerical simulations. , 2013, , .		5
34	Kriging-based estimation of time derivatives via FIR filtering. , 2013, , .		1
35	Cooperative guidance of UAVs for area exploration with final target allocation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 260-265.	0.4	11
36	Control-based fault detection and isolation for autonomous aircraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2012, 226, 510-531.	1.3	12



#	ARTICLE	IF	CITATIONS
55	Exact description of feasible parameter sets and minimax estimation. International Journal of Adaptive Control and Signal Processing, 1994, 8, 5-14.	4.1	22
56	Bounded-error tracking of time-varying parameters. IEEE Transactions on Automatic Control, 1994, 39, 1661-1664.	5.7	20
57	Comparison of methods for solving sets of linear inequalities in the bounded-error context. Mathematics and Computers in Simulation, 1992, 34, 515-524.	4.4	10
58	Reversible reactions over non-metallic catalysts: A transient isotopic tracing of the isobutane-isobutene-hydrogen system over chromia. Journal of Catalysis, 1992, 133, 383-396.	6.2	9
59	Estimation of parameter bounds from bounded-error data: a survey. Mathematics and Computers in Simulation, 1990, 32, 449-468.	4.4	280
60	Exact recursive characterization of feasible parameter sets in the linear case. Mathematics and Computers in Simulation, 1990, 32, 495-504.	4.4	21
61	Characterization of non-connected parameter uncertainty regions. Mathematics and Computers in Simulation, 1990, 32, 553-560.	4.4	12
62	Exact recursive polyhedral description of the feasible parameter set for bounded-error models. IEEE Transactions on Automatic Control, 1989, 34, 911-915.	5.7	148
63	Estimation of the parameter uncertainty resulting from bounded-error data. Mathematical Biosciences, 1988, 92, 55-74.	1.9	18
64	Estimation of non-uniquely identifiable parameters via exhaustive modeling and membership set theory. Mathematics and Computers in Simulation, 1986, 28, 479-490.	4.4	24