Thomas Parisini

List of Publications by Citations

Source: https://exaly.com/author-pdf/189779/thomas-parisini-publications-by-citations.pdf
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145 papers	2,019 citations	21 h-index	41 g-index
161 ext. papers	2,633 ext. citations	3.7 avg, IF	5.44 L-index

#	Paper	IF	Citations
145	Fault diagnosis of a class of nonlinear uncertain systems with Lipschitz nonlinearities using adaptive estimation. *Automatica*, **2010**, 46, 290-299	5.7	253
144	Distributed Fault Detection and Isolation of Large-Scale Discrete-Time Nonlinear Systems: An Adaptive Approximation Approach. *IEEE Transactions on Automatic Control*, **2012**, 57, 275-290	5.9	145
143	Cooperative Constrained Control of Distributed Agents With Nonlinear Dynamics and Delayed Information Exchange: A Stabilizing Receding-Horizon Approach. *IEEE Transactions on Automatic Control*, **2008**, 53, 324-338	5.9	116
142	Networked Predictive Control of Uncertain Constrained Nonlinear Systems: Recursive Feasibility and Input-to-State Stability Analysis. *IEEE Transactions on Automatic Control*, **2011**, 56, 72-87	5.9	98
141	A Distributed Networked Approach for Fault Detection of Large-Scale Systems. *IEEE Transactions on Automatic Control*, **2017**, 62, 18-33	5.9	86
140	Front-End Monitoring of the Mutual Inductance and Load Resistance in a Series□Series Compensated Wireless Power Transfer System. *IEEE Transactions on Power Electronics*, **2016**, 31, 7339-7352	7.2	78
139	Robust Model Predictive Control of Nonlinear Systems With Bounded and State-Dependent Uncertainties. *IEEE Transactions on Automatic Control*, **2009**, 54, 1681-1687	5.9	61
138	A Distributed Fault Detection Filtering Approach for a Class of Interconnected Continuous-Time Nonlinear Systems. *IEEE Transactions on Automatic Control*, **2013**, 58, 2032-2047	5.9	58
137	A robust nonlinear observer-based approach for distributed fault detection of input□output interconnected systems. *Automatica*, **2015**, 53, 408-415	5.7	56
136	Front-end monitoring of multiple loads in wireless power transfer systems without wireless communication systems. *IEEE Transactions on Power Electronics*, **2016**, 31, 2510-2517	7.2	49
135	Plug-and-Play Fault Detection and Control-Reconfiguration for a Class of Nonlinear Large-Scale Constrained Systems. *IEEE Transactions on Automatic Control*, **2016**, 61, 3963-3978	5.9	47
134	Design and analysis of a fault isolation scheme for a class of uncertain nonlinear systems. *Annual Reviews in Control*, **2008**, 32, 107-121	10.3	45
133	Distributed Fault Diagnosis using Sensor Networks and Consensus-based Filters **2006**,		43
132	Robust fault isolation for a class of non-linear input?output systems. *International Journal of Control*, **2001**, 74, 1295-1310	1.5	42
131	Distributed Fault Detection and Isolation of Continuous-Time Non-Linear Systems. *European Journal of Control*, **2011**, 17, 603-620	2.5	36
130	. *IEEE Transactions on Automatic Control*, **2020**, 65, 3800-3815	5.9	35
129	Distributed Fault-Tolerant Control of Large-Scale Systems: An Active Fault Diagnosis Approach. *IEEE Transactions on Control of Network Systems*, **2020**, 7, 288-301	4	30

128	Distributed fault diagnosis for continuous-time nonlinear systems: The input-output case. *Annual Reviews in Control*, **2013**, 37, 163-169	10.3	28
127	Observer-Based Anomaly Detection of Synchronous Generators for Power Systems Monitoring. *IEEE Transactions on Power Systems*, **2018**, 33, 4228-4237	7	26
126	. *IEEE Transactions on Automatic Control*, **2019**, 64, 4-19	5.9	25
125	State of AI-Based Monitoring in Smart Manufacturing and Introduction to Focused Section. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 2143-2154	5.5	24
124	Distributed Fault Detection for Interconnected Large-Scale Systems: A Scalable Plug & Play Approach. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 800-811	4	21
123	Detection of Covert Cyber-Attacks in Interconnected Systems: A Distributed Model-Based Approach. *IEEE Transactions on Automatic Control*, **2020**, 65, 3728-3741	5.9	20
122	Approximate model predictive control laws for constrained nonlinear discrete-time systems: analysis and offline design. *International Journal of Control*, **2013**, 86, 804-820	1.5	19
121	Distributed Fault-Tolerant Control of Multiagent Systems: An Adaptive Learning Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 420-432	10.3	19
120	Post-lockdown abatement of COVID-19 by fast periodic switching. *PLoS Computational Biology*, **2021**, 17, e1008604	5	19
119	Robust finite-time estimation of biased sinusoidal signals: A volterra operators approach. *Automatica*, **2017**, 77, 120-132	5.7	18
118	Distributed sensor fault detection and isolation for multimachine power systems. *International Journal of Robust and Nonlinear Control*, **2014**, 24, 1403-1430	3.6	18
117	Distributed Adaptive Fault-Tolerant Control of Uncertain Multi-Agent Systems. *IFAC-PapersOnLine*, **2015**, 48, 66-71	0.7	18
116	Distributed fault diagnosis for process and sensor faults in a class of interconnected input-output nonlinear discrete-time systems. *International Journal of Control*, **2015**, 88, 1472-1489	1.5	18
115	Distributed watermarking for secure control of microgrids under replay attacks. *IFAC-PapersOnLine*, **2018**, 51, 182-187	0.7	18
114	A Fast-Convergent Modulation Integral Observer for Online Detection of the Fundamental and Harmonics in Grid-Connected Power Electronics Systems. *IEEE Transactions on Power Electronics*, **2017**, 32, 2596-2607	7.2	17
113	Robust Sinusoid Identification With Structured and Unstructured Measurement Uncertainties. *IEEE Transactions on Automatic Control*, **2014**, 59, 1588-1593	5.9	17
112	Kernel-based non-asymptotic state estimation for linear continuous-time systems **2013**,		16
111	Distributed adaptive fault-tolerant leader-following formation control of nonlinear uncertain second-order multi-agent systems. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 4287	3.6	15

110	An Adaptive Observer-Based Switched Methodology for the Identification of a Perturbed Sinusoidal Signal: Theory and Experiments. *IEEE Transactions on Signal Processing*, **2014**, 62, 6355-6365	4.8	14
109	Design and stability analysis of cooperative receding-horizon control of linear discrete-time agents. *International Journal of Robust and Nonlinear Control*, **2007**, 17, 982-1001	3.6	13
108	A fault detection and isolation scheme for nonlinear uncertain discrete-time sytems **2007**,		13
107	A distributed attack detection method for multi-agent systems governed by consensus-based control **2017**,		12
106	Fault Diagnosis and control-reconfiguration in Large-Scale Systems: a Plug-and-Play approach **2014**,		12
105	Decentralized fault detection in a class of large-scale nonlinear uncertain systems **2009**,		12
104	Identification of multi-sinusoidal signals with direct frequency estimation: An adaptive observer approach. *Automatica*, **2019**, 99, 338-345	5.7	12
103	An adaptive observer-based estimator for multi-sinusoidal signals **2014**,		10
102	Robust parametric identification of sinusoidal signals: An Input-to-State Stability approach **2011**,		10
101	Stealthy MTD Against Unsupervised Learning-Based Blind FDI Attacks in Power Systems. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 1275-1287	8	10
100	Distributed Detection of Covert Attacks for Interconnected Systems **2019**,		9
99	Robust deadbeat continuous-time observer design based on modulation integrals. *Automatica*, **2019**, 107, 95-102	5.7	9
98	Measuring cyber-physical security in industrial control systems via minimum-effort attack strategies. *Journal of Information Security and Applications*, **2020**, 52, 102471	3.5	9
97	. *IEEE Transactions on Automatic Control*, **2018**, 63, 1943-1958	5.9	9
96	Neural Approximations for Optimal Control and Decision. *Communications and Control Engineering*, **2020**,	0.6	9
95	A distributed fault detection methodology for a class of large-scale uncertain input-output discrete-time nonlinear systems **2011**,		8
94	Online Detection of Fundamental and Interharmonics in AC Mains for Parallel Operation of Multiple Grid-Connected Power Converters. *IEEE Transactions on Power Electronics*, **2018**, 33, 9318-9330	7.2	7
93	A parallel prefiltering approach for the identification of a biased sinusoidal signal: Theory and experiments. *International Journal of Adaptive Control and Signal Processing*, **2015**, 29, 1591-1608	2.8	7

92	High-Gain Adaptive Control: A Derivative-Based Approach. *IEEE Transactions on Automatic Control*, **2009**, 54, 2164-2169	5.9	7
91	Non-Asymptotic Kernel-Based Parametric Estimation of Continuous-Time Linear Systems. *IEEE Transactions on Automatic Control*, **2015**, 1-1	5.9	6
90	An Adaptive-Observer-Based Robust Estimator of Multi-sinusoidal Signals. *IEEE Transactions on Automatic Control*, **2018**, 63, 1618-1631	5.9	6
89	Distributed adaptive fault-tolerant control of nonlinear uncertain second-order multi-agent systems **2015**,		6
88	The modulation integral observer for linear continuous-time systems **2015**,		6
87	Distributed Fault Diagnosis for Input-Output Continuous-Time Nonlinear Systems. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2012**, 45, 1089-1094		6
86	Distributed Pareto-optimal state estimation using sensor networks. *Automatica*, **2018**, 93, 211-223	5.7	5
85	Semi-global direct estimation of multiple frequencies with an adaptive observer having minimal parameterization **2015**,		5
84	Distributed fault detection for uncertain nonlinear systems: A network delay compensation strategy **2013**,		5
83	Adaptive observer-based sinusoid identification: Structured and bounded unstructured measurement disturbances **2013**,		5
82	Distributed fault detection using sensor networks and Pareto estimation **2013**,		5
81	Finite-time estimation of multiple exponentially-damped sinusoidal signals: A kernel-based approach. *Automatica*, **2019**, 106, 1-7	5.7	4
80	Non-asymptotic numerical differentiation: a kernel-based approach. *International Journal of Control* , **2018**, 91, 2090-2099	1.5	4
79	A Plug-and-Play Fault Diagnosis Approach for Large-Scale Systems. *IFAC-PapersOnLine*, **2015**, 48, 601-606	0.7	4
78	A distributed pareto-optimal dynamic estimation method **2015**,		4
77	Deadbeat kernel-based frequency estimation of a biased sinusoidal signal **2015**,		4
76	Sinusoidal signal estimation from a noisy-biased measurement by an enhanced PLL with generalized error filtering **2014**,		4
75	Networked MPC for constrained linear systems: a recursive feasibility approach **2009**,		4

74	Distributed State Estimation for a Class of Jointly Observable Nonlinear Systems. *IFAC-PapersOnLine*, **2020**, 53, 5045-5050	0.7	4
73	Enhanced Anomaly Detector for Nonlinear Cyber-Physical Systems against Stealthy Integrity Attacks. *IFAC-PapersOnLine*, **2020**, 53, 13682-13687	0.7	4
72	Resiliency in dynamic leaderfollower multiagent systems. *Automatica*, **2021**, 125, 109384	5.7	4
71	Kernel-based deadbeat parametric estimation of bias-affected damped sinusoidal signals **2016**,		4
70	Deadbeat Source Localization From Range-Only Measurements: A Robust Kernel-Based Approach. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 923-933	4.8	4
69	An adaptive observer for a class of parabolic PDEs based on a convex optimization approach for backstepping PDE design **2016**,		3
68	Switching-based Sinusoidal Disturbance Rejection for Uncertain Stable Linear Systems **2018**,		3
67	On the Robustness of Nominal Nonlinear Minimum-Time Control and Extension to Non-Robustly Controllable Target Sets. *IEEE Transactions on Automatic Control*, **2014**, 59, 863-875	5.9	3
66	Distributed Fault Detection and Isolation for Interconnected Systems: a Non-Asymptotic Kernel-Based Approach. *IFAC-PapersOnLine*, **2017**, 50, 1013-1018	0.7	3
65	Distributed adaptive fault-tolerant control of a class of high-order nonlinear uncertain multi-agent systems **2017**,		3
64	Backstepping PDE design, Volterra and Fredholm operators: A convex optimization approach **2015**,		3
63	Optimal Topology for Distributed Fault Detection of Large-scale Systems. *IFAC-PapersOnLine*, **2015**, 48, 60-65	0.7	3
62	A distributed fault detection filtering approach for a class of interconnected input-output nonlinear systems **2013**,		3
61	A direct adaptive method for discriminating sinusoidal components with nearby frequencies **2011**,		3
60	Networked predictive control of constrained nonlinear systems: Recursive feasibility and Input-to-State Stability analysis **2009**,		3
59	Kemeny-based testing for COVID-19. *PLoS ONE*, **2020**, 15, e0242401	3.7	3
58	Model-Based Fault Detection and Estimation for Linear Time Invariant and Piecewise Affine Systems by Using Quadratic Boundedness **2018**,		3
57	Identification of Sensor Replay Attacks and Physical Faults for Cyber-Physical Systems **2022**, 6, 1178-1183		3

56	Kernel-Based Simultaneous Parameter-State Estimation for Continuous-Time Systems. *IEEE Transactions on Automatic Control*, **2020**, 65, 3053-3059	5.9	2
55	A Deadbeat Observer for Two and Three-dimensional LTI Systems by a Time/Output-Dependent State Mapping. *IFAC-PapersOnLine*, **2017**, 50, 6452-6457	0.7	2
54	Detection of drift sensor faults in a class of nonlinear uncertain systems **2015**,		2
53	Kernel-based continuous-time identification of Hammerstein models: Application to the case of ankle joint stiffness dynamics **2015**,		2
52	An algebraic approach for robust fault detection of input-output elastodynamic distributed parameter systems **2013**,		2
51	A distributed estimation method for sensor networks based on Pareto optimization **2012**,		2
50	Adaptive fault-tolerant control of a class of nonlinear MIMO systems **2008**,		2
49	Exponential Modulation Integral Observer for Online Detection of the Fundamental and Harmonics in Grid-Connected Power Electronics Equipment. *IEEE Transactions on Control Systems Technology*, **2021**, 1-13	4.8	2
48	Deadbeat source localization from range-only measurements: A robust kernel-based approach **2016**,		2
47	Distributed fault detection with sensor networks using pareto-optimal dynamic estimation method **2016**,		2
46	Deadbeat Simultaneous Parameter-State Estimation for Linear Continuous-time Systems: a Kernel-based Approach **2018**,		2
45	Detecting stealthy integrity attacks in a class of nonlinear cyber-physical systems: A backward-in-time approach. *Automatica*, **2022**, 141, 110262	5.7	2
44	Distributed Clustering-based Sensor Fault Diagnosis for HVAC Systems. *IFAC-PapersOnLine*, **2017**, 50, 4197-4202	0.7	1
43	Editorial Control Systems Technology: Towards a Systems-of-Systems Perspective?. *IEEE Transactions on Control Systems Technology*, **2010**, 18, 249-250	4.8	1
42	High-gain adaptive control: A derivative-based approach **2008**,		1
41	Isolation of process and sensor faults for a class of nonlinear uncertain systems **2008**,		1
40	Approximate off-line receding horizon control of constrained nonlinear discrete-time systems **2009** ,		1
39	Dynamic Neural Networks for Actuator Fault Diagnosis: Application to the DAMADICS Benchmark Problem. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2003**, 36, 975-980		1

38	Assessing Cyber-Physical Security in Industrial Control Systems		1
37	Learning Robustly Stabilizing Explicit Model Predictive Controllers: A Non-Regular Sampling Approach **2020**, 4, 737-742		1
36	Stealthy Integrity Attacks for a Class of Nonlinear Cyber-Physical Systems. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	1
35	Integration of experimental activities into remote teaching using a quadrotor test-bed. *IFAC-PapersOnLine*, **2021**, 54, 49-54	0.7	1
34	Optimal Control Problems over an Infinite Horizon. *Communications and Control Engineering*, **2020**, 471-516		1
33	Almost Sure Resilient Consensus Under Stochastic Interaction: Links Failure and Noisy Channels. *IEEE Transactions on Automatic Control*, **2020**, 1-1	5.9	1
32	Discrimination between replay attacks and sensor faults for cyber-physical systems via event-triggered communication. *European Journal of Control*, **2021**,	2.5	1
31	Backstepping PDE-based adaptive observer for a Single Particle Model of Lithium-Ion Batteries **2016**,		1
30	Estimation of multi-sinusoidal signals: A deadbeat methodology **2016**,		1
29	Sensor Redundancy for Robustness in Nonlinear State Estimation **2019**,		1
28	Fast-Convergent Fault Detection and Isolation in an Uncertain Scenario **2018**,		1
27	An Adaptive Approach to Sensor Bias Fault Diagnosis and Accommodation for a Class of Input-Output Nonlinear Systems **2018**,		1
26	Distributed Fault-Tolerant Control of High-Order Input-Output Multi-Agent Systems. *IFAC-PapersOnLine*, **2018**, 51, 453-458	0.7	1
25	Robust traffic wave damping via shared control. *Transportation Research Part C: Emerging Technologies*, **2021**, 128, 103110	8.4	1
24	Traffic Control in a Mixed Autonomy Scenario at Urban Intersections: An Optimal Control Approach. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-17	6.1	1
23	Robust Frequency-Adaptive Quadrature Phase-Locked-Loops With Lyapunov-Certified Global Stability. *IEEE Transactions on Control Systems Technology*, **2022**, 1-8	4.8	1
22	Cyber-Attack Detection and Countermeasure for Distributed Electric Springs for Smart Grid Applications. *IEEE Access*, **2022**, 10, 13182-13192	3.5	0
21	On detectability of cyber-attacks for large-scale interconnected systems. *IFAC-PapersOnLine*, **2020**, 53, 3521-3526	0.7	0

20	The Basic Infinite-Dimensional or Functional Optimization Problem. *Communications and Control Engineering*, **2020**, 1-38	0.6	0
19	. *IEEE Transactions on Automatic Control*, **2020**, 65, 2309-2324	5.9	0
18	An Algebraic Approach to Modeling Distributed Multiphysics Problems: the case of a DRI Reactor**This paper has been partially supported by Regione Friuli-Venezia-Giulia.. *IFAC-PapersOnLine*, **2015**, 48, 155-160	0.7	
17	A modified non-adaptive OSG-SOGI filter for estimation of a biased sinusoidal signal with global convergence properties. *IFAC-PapersOnLine*, **2020**, 53, 530-535	0.7	
16	Distributed Detection and Isolation of Covert Cyber Attacks for a Class of Interconnected Systems. *IFAC-PapersOnLine*, **2020**, 53, 772-777	0.7	
15	Numerical Methods for Integration and Search for Minima. *Communications and Control Engineering* , **2020**, 207-253	0.6	
14	Design of Mathematical Models by Learning From Data and FSP Functions. *Communications and Control Engineering*, **2020**, 151-206	0.6	
13	Stochastic Optimal Control with Perfect State Information over a Finite Horizon. *Communications and Control Engineering*, **2020**, 299-382	0.6	
12	From Functional Optimization to Nonlinear Programming by the Extended Ritz Method. *Communications and Control Engineering*, **2020**, 39-88	0.6	
11	Deterministic Optimal Control over a Finite Horizon. *Communications and Control Engineering*, **2020**, 255-298	0.6	
10	Some Families of FSP Functions and Their Properties. *Communications and Control Engineering*, **2020**, 89-150	0.6	
9	Team Optimal Control Problems. *Communications and Control Engineering*, **2020**, 427-469	0.6	
8	Stochastic Optimal Control with Imperfect State Information over a Finite Horizon. *Communications and Control Engineering*, **2020**, 383-426	0.6	
7	Robust Stabilization of a Class of Nonlinear Systems Controlled Over Communication Networks. *IEEE Transactions on Automatic Control*, **2021**, 66, 3036-3051	5.9	
6	Fault Diagnosis for Uncertain Networked Systems. *Systems and Control: Foundations and Applications*, **2018**, 533-581	0.3	
5	Hysteresis-based supervisory control with application to non-pharmaceutical containment of COVID-19. *Annual Reviews in Control*, **2021**, 52, 508-522	10.3	
4	Kemeny-based testing for COVID-19 **2020**, 15, e0242401		
3	Kemeny-based testing for COVID-19 **2020**, 15, e0242401		

2 Kemeny-based testing for COVID-19 **2020**, 15, e0242401

1 Kemeny-based testing for COVID-19 **2020**, 15, e0242401