

# Riccardo M G Ferrari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8911788/publications.pdf>

Version: 2024-02-01

34  
papers

776  
citations

933447

10  
h-index

839539

18  
g-index

34  
all docs

34  
docs citations

34  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.7	188
2	A Distributed Networked Approach for Fault Detection of Large-Scale Systems. IEEE Transactions on Automatic Control, 2017, 62, 18-33.	5.7	117
3	Distributed Fault Diagnosis With Overlapping Decompositions: An Adaptive Approximation Approach. IEEE Transactions on Automatic Control, 2009, 54, 794-799.	5.7	95
4	Distributed Fault Detection and Isolation of Continuous-Time Non-Linear Systems. European Journal of Control, 2011, 17, 603-620.	2.6	51
5	Fault Detection and Isolation of the Wind Turbine Benchmark: an Estimation-based Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8295-8300.	0.4	50
6	Distributed fault diagnosis for continuous-time nonlinear systems: The input-output case. Annual Reviews in Control, 2013, 37, 163-169.	7.9	37
7	A Switching Multiplicative Watermarking Scheme for Detection of Stealthy Cyber-Attacks. IEEE Transactions on Automatic Control, 2021, 66, 2558-2573.	5.7	34
8	Data-Driven Incipient Fault Detection via Canonical Variate Dissimilarity and Mixed Kernel Principal Component Analysis. IEEE Transactions on Industrial Informatics, 2021, 17, 5380-5390.	11.3	33
9	Detection and isolation of routing attacks through sensor watermarking. , 2017, , .		18
10	The Immersion and Invariance Wind Speed Estimator Revisited and New Results. , 2022, 6, 361-366.		16
11	A fault detection and isolation scheme for nonlinear uncertain discrete-time systems. , 2007, , .		15
12	A robust fault detection and isolation scheme for a class of uncertain input-output discrete-time nonlinear systems. , 2008, , .		14
13	Distributed fault diagnosis with overlapping decompositions and consensus filters. Proceedings of the American Control Conference, 2007, , .	0.0	13
14	System analysis and controller design for the electric pump of a deep-throttling rocket engine. Aerospace Science and Technology, 2021, 114, 106729.	4.8	13
15	Distributed fault diagnosis of large-scale discrete-time nonlinear systems: New results on the isolation problem. , 2010, , .		8
16	A distributed fault detection methodology for a class of large-scale uncertain input-output discrete-time nonlinear systems. , 2011, , .		8
17	Optimal Topology for Distributed Fault Detection of Large-scale Systems $\hat{\sim}$ ... $\hat{\sim}$ ...This paper has been partially supported by the EPSRC STABLENET grant EP/L014343/1.. IFAC-PapersOnLine, 2015, 48, 60-65.	0.9	8
18	Distributed fault detection for uncertain nonlinear systems: A network delay compensation strategy. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
19	Distributed Fault Diagnosis for Input-Output Continuous-Time Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1089-1094.	0.4	6
20	Fast Adaptive Fault Accommodation in Floating Offshore Wind Turbines via Model-Based Fault Diagnosis and Subspace Predictive Repetitive Control. IFAC-PapersOnLine, 2020, 53, 12650-12655.	0.9	6
21	Differentially-Private Distributed Fault Diagnosis for Large-Scale Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2018, 51, 975-982.	0.9	5
22	Towards Stochastic Fault-Tolerant Control Using Precision Learning and Active Inference. Communications in Computer and Information Science, 2021, , 681-691.	0.5	5
23	A fault detection scheme for distributed nonlinear uncertain systems. , 2006, , .		4
24	An algebraic approach for robust fault detection of input-output elastodynamic distributed parameter systems. , 2013, , .		4
25	Detection of Cyber-Attacks: A Multiplicative Watermarking Scheme. Lecture Notes in Control and Information Sciences, 2021, , 173-201.	1.0	4
26	Privatized Distributed Anomaly Detection for Large-Scale Nonlinear Uncertain Systems. IEEE Transactions on Automatic Control, 2021, 66, 5299-5313.	5.7	4
27	Blade Effective Wind Speed Estimation: A Subspace Predictive Repetitive Estimator Approach. , 2021, , .		4
28	A Fault Detection Scheme for Distributed Nonlinear Uncertain Systems. , 2006, , .		3
29	The Proportional Integral Notch and Coleman Blade Effective Wind Speed Estimators and Their Similarities. , 2022, 6, 2198-2203.		3
30	Load reduction for wind turbines: an output-constrained, subspace predictive repetitive control approach. Wind Energy Science, 2022, 7, 523-537.	3.3	2
31	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.	0.9	1
32	A model for aluminium quenching process optimal setup. IFAC-PapersOnLine, 2015, 48, 33-38.	0.9	0
33	Differentially Private Anomaly Detection for Interconnected Systems. Lecture Notes in Control and Information Sciences, 2021, , 203-230.	1.0	0
34	Concluding Remarks and Future Outlook. Lecture Notes in Control and Information Sciences, 2021, , 377-390.	1.0	0