Riccardo M G Ferrari

List of Publications by Year
in descending order

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	The Immersion and Invariance Wind Speed Estimator Revisited and New Results. , 2022, 6, 361-366.		16
2	The Proportional Integral Notch and Coleman Blade Effective Wind Speed Estimators and Their Similarities. , 2022, 6, 2198-2203.		3
3	Load reduction for wind turbines: an output-constrained, subspace predictive repetitive control approach. Wind Energy Science, 2022, 7, 523-537.	3.3	2
4	A Switching Multiplicative Watermarking Scheme for Detection of Stealthy Cyber-Attacks. IEEE Transactions on Automatic Control, 2021, 66, 2558-2573.	5.7	34
5	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
6	Differentially Private Anomaly Detection for Interconnected Systems. Lecture Notes in Control and Information Sciences, 2021, , 203-230.	1.0	0
7	Detection of Cyber-Attacks: A Multiplicative Watermarking Scheme. Lecture Notes in Control and Information Sciences, 2021, , 173-201.	1.0	4
8	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
9	Concluding Remarks and Future Outlook. Lecture Notes in Control and Information Sciences, 2021, , 377-390.	1.0	0
10	Privatized Distributed Anomaly Detection for Large-Scale Nonlinear Uncertain Systems. IEEE Transactions on Automatic Control, 2021, 66, 5299-5313.	5.7	4
11	Blade Effective Wind Speed Estimation: A Subspace Predictive Repetitive Estimator Approach. , 2021, , .		4
12	Towards Stochastic Fault-Tolerant Control Using Precision Learning andÂActive Inference. Communications in Computer and Information Science, 2021, , 681-691.	0.5	5
13	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
14	Differentially-Private Distributed Fault Diagnosis for Large-Scale Nonlinear Uncertain Systems. IFAC-PapersOnLine, 2018, 51, 975-982.	0.9	5
15	A Distributed Networked Approach for Fault Detection of Large-Scale Systems. IEEE Transactions on Automatic Control, 2017, 62, 18-33.	5.7	117
16	Detection and isolation of routing attacks through sensor watermarking. , 2017, , .		18
17	An Algebraic Approach to Modeling Distributed Multiphysics Problems: the case of a DRI Reactorâˆ—âˆ—This paper has been partially supported by Regione Friuli-Venezia-Giulia.. IFAC-PapersOnLine, 2015, 48, 155-160.	0.9	1
18	Optimal Topology for Distributed Fault Detection of Large-scale Systems âˆ— âˆ—This paper has been partially supported by the EPSRC STABLENET grant EP/L014343/1.. IFAC-PapersOnLine, 2015, 48, 60-65.	0.9	8

#	Article	IF	Citations
19	A model for aluminium quenching process optimal setup. IFAC-PapersOnLine, 2015, 48, 33-38.	0.9	0
20	Distributed fault diagnosis for continuous-time nonlinear systems: The input–output case. Annual Reviews in Control, 2013, 37, 163-169.	7.9	37
21	Distributed fault detection for uncertain nonlinear systems: A network delay compensation strategy. , 2013, , .		7
22	An algebraic approach for robust fault detection of input-output elastodynamic distributed parameter systems. , 2013, , .		4
23	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
24	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
25	Distributed Fault Detection and Isolation of Continuous-Time Non-Linear Systems. European Journal of Control, 2011, 17, 603-620.	2.6	51
26	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
27	A distributed fault detection methodology for a class of large-scale uncertain input-output discrete-time nonlinear systems. , 2011, , .		8
28	Distributed fault diagnosis of large-scale discrete-time nonlinear systems: New results on the isolation problem. , 2010, , .		8
29	Distributed Fault Diagnosis With Overlapping Decompositions: An Adaptive Approximation Approach. IEEE Transactions on Automatic Control, 2009, 54, 794-799.	5.7	95
30	A robust fault detection and isolation scheme for a class of uncertain input-output discrete-time nonlinear systems. , 2008, , .		14
31	A fault detection and isolation scheme for nonlinear uncertain discrete-time sytems. , 2007, , .		15
32	Distributed fault diagnosis with overlapping decompositions and consensus filters. Proceedings of the American Control Conference, 2007, , .	0.0	13
33	A fault detection scheme for distributed nonlinear uncertain systems. , 2006, , .		4
34	A Fault Detection Scheme for Distributed Nonlinear Uncertain Systems. , 2006, , .		3