

# Marcello Farina

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

762  
citations

687363

13  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic linear Model Predictive Control with chance constraints – A review. Journal of Process Control, 2016, 44, 53-67.	3.3	226
2	Moving-horizon partition-based state estimation of large-scale systems. Automatica, 2010, 46, 910-918.	5.0	99
3	An approach to output-feedback MPC of stochastic linear discrete-time systems. Automatica, 2015, 55, 140-149.	5.0	75
4	A Robust MPC Algorithm for Offset-Free Tracking of Constant Reference Signals. IEEE Transactions on Automatic Control, 2013, 58, 2394-2400.	5.7	71
5	Distributed Fault Detection for Interconnected Large-Scale Systems: A Scalable Plug & Play Approach. IEEE Transactions on Control of Network Systems, 2019, 6, 800-811.	3.7	37
6	Learning-based predictive control for linear systems: A unitary approach. Automatica, 2019, 108, 108473.	5.0	35
7	Model Predictive Control Design for Dynamical Systems Learned by Echo State Networks. , 2019, 3, 1044-1049.		30
8	Application of distributed predictive control to motion and coordination problems for unicycle autonomous robots. Robotics and Autonomous Systems, 2015, 72, 248-260.	5.1	27
9	On Recurrent Neural Networks for learning-based control: Recent results and ideas for future developments. Journal of Process Control, 2022, 114, 92-104.	3.3	25
10	Learning model predictive control with long short-term memory networks. International Journal of Robust and Nonlinear Control, 2021, 31, 8877-8896.	3.7	23
11	A hierarchical multi-rate MPC scheme for interconnected systems. Automatica, 2018, 90, 38-46.	5.0	21
12	On the stability properties of Gated Recurrent Units neural networks. Systems and Control Letters, 2021, 157, 105049.	2.3	20
13	Learning-based predictive control of the cooling system of a large business centre. Control Engineering Practice, 2020, 97, 104348.	5.5	18
14	Design of Aggregators for the Day-Ahead Management of Microgrids Providing Active and Reactive Power Services. IEEE Transactions on Control Systems Technology, 2020, 28, 2616-2624.	5.2	14
15	Microgrids aggregation management providing ancillary services. , 2018, , .		9
16	Stochastic Distributed Predictive Tracking Control for Networks of Autonomous Systems With Coupling Constraints. IEEE Transactions on Control of Network Systems, 2018, 5, 1412-1423.	3.7	6
17	A Multirate Hierarchical MPC Scheme for Ensemble Systems. , 2018, , .		6
18	A Hierarchical MPC Scheme for Coordination of Independent Systems With Shared Resources and Plug-and-Play Capabilities. IEEE Transactions on Control Systems Technology, 2020, 28, 521-532.	5.2	4

#	ARTICLE	IF	CITATIONS
19	Remote MPC for Tracking Over Lossy Networks. , 2022, 6, 1040-1045.		4
20	A Hierarchical Architecture for the Coordination of an Ensemble of Steam Generators. IFAC-PapersOnLine, 2020, 53, 11557-11562.	0.9	4
21	Model-based fault isolability and isolation of persistent faults: Centralized and distributed implementations. Systems and Control Letters, 2021, 156, 105006.	2.3	3
22	A hierarchical optimization-based scheme for combined Fire-tube Boiler/CHP generation units. , 2018, , .		2
23	Optimal Training of Echo State Networks via Scenario Optimization. IFAC-PapersOnLine, 2020, 53, 5183-5188.	0.9	2
24	A Hierarchical Architecture for Optimal Unit Commitment and Control of an Ensemble of Steam Generators. IEEE Transactions on Control Systems Technology, 2022, 30, 1145-1158.	5.2	1
25	Learning-based predictive control for MIMO systems. , 2019, , .		0