

# JÃ©rÃ©me Mendes

## List of Publications by Year in descending order

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36  
papers

632  
citations

687363

13  
h-index

839539

18  
g-index

37  
all docs

37  
docs citations

37  
times ranked

579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of soft sensor methods for regression applications. Chemometrics and Intelligent Laboratory Systems, 2016, 152, 69-79.	3.5	216
2	Adaptive fuzzy identification and predictive control for industrial processes. Expert Systems With Applications, 2013, 40, 6964-6975.	7.6	50
3	Online identification of Takagi-Sugeno fuzzy models based on self-adaptive hierarchical particle swarm optimization algorithm. Applied Mathematical Modelling, 2017, 45, 606-620.	4.2	37
4	Genetic fuzzy system for data-driven soft sensors design. Applied Soft Computing Journal, 2012, 12, 3237-3245.	7.2	35
5	A multilayer-perceptron based method for variable selection in soft sensor design. Journal of Process Control, 2013, 23, 1371-1378.	3.3	35
6	Automatic extraction of the fuzzy control system by a hierarchical genetic algorithm. Engineering Applications of Artificial Intelligence, 2014, 29, 70-78.	8.1	35
7	An architecture for adaptive fuzzy control in industrial environments. Computers in Industry, 2011, 62, 364-373.	9.9	26
8	A Review of Genetic Algorithm Approaches for Wildfire Spread Prediction Calibration. Mathematics, 2022, 10, 300.	2.2	22
9	Self-tuning PID controllers in pursuit of plug and play capacity. Control Engineering Practice, 2017, 69, 73-84.	5.5	17
10	A novel robust control scheme for LTV systems using output integral discrete-time synergetic control theory. European Journal of Control, 2017, 34, 39-48.	2.6	16
11	Self-Evolving Fuzzy Controller Composed of Univariate Fuzzy Control Rules. Applied Sciences (Switzerland), 2020, 10, 5836.	2.5	16
12	Regenerative braking system modeling by fuzzy Q-Learning. Engineering Applications of Artificial Intelligence, 2020, 93, 103712.	8.1	15
13	Automatic forest fire danger rating calibration: Exploring clustering techniques for regionally customizable fire danger classification. Expert Systems With Applications, 2022, 193, 116380.	7.6	15
14	Evolutionary learning of a fuzzy controller for industrial processes. , 2014, , .		10
15	A new approach for online T-S fuzzy identification and model predictive control of nonlinear systems. JVC/Journal of Vibration and Control, 2016, 22, 1820-1837.	2.6	10
16	Adaptive fuzzy generalized predictive control based on Discrete-Time T-S fuzzy model. , 2010, , .		8
17	Adaptive predictive control with recurrent fuzzy neural network for industrial processes. , 2011, , .		8
18	Self-adaptive Takagi-Sugeno model identification methodology for industrial control processes. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
19	A Regularized Mixture of Linear Experts for Quality Prediction in Multimode and Multiphase Industrial Processes. Applied Sciences (Switzerland), 2021, 11, 2040.	2.5	7
20	Real-Time Event-Driven Learning in Highly Volatile Systems: A Case for Embedded Machine Learning for SCADA Systems. IEEE Access, 2022, 10, 50794-50806.	4.2	7
21	Automatic extraction of the fuzzy control system for industrial processes. , 2011, , .		6
22	Neo-fuzzy neuron learning using backfitting algorithm. Neural Computing and Applications, 2019, 31, 3609-3618.	5.6	5
23	Structural optimization of closed built-up cold-formed steel columns. Journal of Constructional Steel Research, 2022, 193, 107266.	3.9	5
24	A comparison of adaptive PID methodologies controlling a DC motor with a varying load. , 2013, , .		4
25	Online evolving fuzzy control design: An application to a CSTR plant. , 2017, , .		4
26	Adaptive identification and predictive control using an improved on-line sequential extreme learning machine. , 2014, , .		3
27	Automatic Calibration of Forest Fire Weather Index For Independent Customizable Regions Based on Historical Records. , 2020, , .		3
28	Evolutionary fuzzy models for nonlinear identification. , 2012, , .		2
29	Iterative Design of a Mamdani Fuzzy Controller. , 2018, , .		2
30	Novelty Detection for Iterative Learning of MIMO Fuzzy Systems. , 2021, , .		2
31	Intelligent Controller for Industrial Processes Applied to a Distributed Two-Tank System. , 2018, , .		1
32	&lt;tex>H_{\infty}&lt;/tex> Adaptive Fuzzy Control Approach Applied to Antilock-Braking Systems Over a CAN Network. , 2018, , .		1
33	Evolving Fuzzy Controller, and Application to a Distributed Two-Tank Process. , 2018, , .		1
34	Iterative Learning of Multiple Univariate Zero-Order T-S Fuzzy Systems. , 2019, , .		1
35	Stable indirect adaptive predictive fuzzy control for industrial processes. , 2011, , .		0
36	Sun-Synchronous Satellite Simulation on KhronoSim, the New System Testing Architecture. , 2018, , .		0