

# Gustavo Perez-Zuñiga

## List of Publications by Year in descending order

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21  
papers

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citations

1163117

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1281871

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g-index

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docs citations

22  
times ranked

72  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Implementation of an Expert Model Predictive Controller in a Pilot-Scale Reverse Osmosis Plant for Brackish and Seawater Desalination. Applied Sciences (Switzerland), 2019, 9, 2932.	2.5	21
2	Fault Detection and Isolation System Based on Structural Analysis of an Industrial Seawater Reverse Osmosis Desalination Plant. Processes, 2020, 8, 1100.	2.8	13
3	Soft sensor design for variable time delay and variable sampling time. Journal of Process Control, 2020, 92, 310-318.	3.3	12
4	Simultaneous occurrences and false-positives analysis in discrete event dynamic systems. Journal of Computational Science, 2020, 44, 101162.	2.9	12
5	A Virtual Laboratory Environment for Control Design of a Multivariable Process. IFAC-PapersOnLine, 2019, 52, 15-20.	0.9	11
6	Design of a Fuzzy Sliding Mode Controller for the Autonomous Path-Following of a Quadrotor. IEEE Latin America Transactions, 2019, 17, 962-971.	1.6	11
7	Fault-Driven Structural Diagnosis Approach in a Distributed Context. IFAC-PapersOnLine, 2017, 50, 14254-14259.	0.9	10
8	Decentralized Diagnosis via Structural Analysis and Integer Programming. IFAC-PapersOnLine, 2018, 51, 168-175.	0.9	9
9	Adaptive Expert Generalized Predictive Multivariable Control of Seawater RO Desalination Plant for a Mineral Processing Facility. IFAC-PapersOnLine, 2017, 50, 10244-10249.	0.9	8
10	Highly Maneuverable Target Tracking Under Glint Noise via Uniform Robust Exact Filtering Differentiator With Intrapulse Median Filter. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 2541-2559.	4.7	7
11	Decentralized diagnosis in a spacecraft attitude determination and control system. Journal of Physics: Conference Series, 2015, 659, 012054.	0.4	6
12	Flotation Process Fault Diagnosis Via Structural Analysis. IFAC-PapersOnLine, 2019, 52, 225-230.	0.9	4
13	A grid-tied power factor corrector microinverter without electrolytic capacitor by the control of voltage in a DC-link for a non-linear load. , 2017, , .		3
14	New concept of safe process based on a fault detection methodology: Super Alarms. IFAC-PapersOnLine, 2019, 52, 231-236.	0.9	3
15	Fault Diagnosis via Neural Ordinary Differential Equations. Applied Sciences (Switzerland), 2021, 11, 3776.	2.5	2
16	Teaching Model-based Fault Detection and Isolation using a Virtual Laboratory Environment. IFAC-PapersOnLine, 2020, 53, 17350-17355.	0.9	2
17	Distributed Fault Detection and Isolation Approach for Oil Pipelines. Applied Sciences (Switzerland), 2021, 11, 11993.	2.5	2
18	Super-Alarms with Diagnosis Proficiency Used as an Additional Layer of Protection Applied to an Oil Transport System. Entropy, 2021, 23, 139.	2.2	1

#	ARTICLE	IF	CITATIONS
19	Near-Optimal Decentralized Diagnosis via Structural Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7353-7365.	9.3	1
20	State Estimation for Coupled Reaction-Diffusion PDE Systems Using Modulating Functions. Sensors, 2022, 22, 5008.	3.8	1
21	Soft Sensor Design for Restricted Variable Sampling Time. IFAC-PapersOnLine, 2020, 53, 80-85.	0.9	0