

Carles Pedret FerrÃ©

List of Publications by Year in descending order

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28
papers

563
citations

840776

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docs citations

28
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	New approach for regulation of the internal recirculation flow rate by fuzzy logic in biological wastewater treatments. ISA Transactions, 2022, 120, 167-189.	5.7	11
2	SintonÃa de controladores PID: un enfoque analÃtico basado en el moldeo de la funciÃn de sensibilidad. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2021, 18, 313.	1.0	2
3	Manipulating internal recirculation flow rate on the biological process in wastewater treatment. , 2020, , .		0
4	Dissolved Oxygen Control in Biological Wastewater Treatments with Non-Ideal Sensors and Actuators. Industrial & Engineering Chemistry Research, 2019, 58, 20639-20654.	3.7	18
5	Fuzzy logic for plant-wide control of biological wastewater treatment process including greenhouse gas emissions. ISA Transactions, 2018, 77, 146-166.	5.7	40
6	Event-based control for dissolved oxygen and nitrogen in wastewater treatment plants. , 2018, , .		3
7	Event-based cascade controller for nitrogen removal in wastewater treatment plant. , 2018, , .		0
8	Control strategies for nitrous oxide emissions reduction on wastewater treatment plants operation. Water Research, 2017, 125, 466-477.	11.3	55
9	PID tuning tackling design tradeoffs from an unified perspective. , 2017, , .		1
10	Hierarchical nitrite control for greenhouse gas emissions reduction in wastewater treatment plants. , 2016, , .		0
11	Advanced decision control system for effluent violations removal in wastewater treatment plants. Control Engineering Practice, 2016, 49, 60-75.	5.5	60
12	Process based control architecture for avoiding effluent pollutants quality limits violations in wastewater treatment plants. , 2015, , .		3
13	Artificial Neural Network for nitrogen and ammonia effluent limit violations risk detection in Wastewater Treatment Plants. , 2015, , .		8
14	Removing violations of the effluent pollution in a wastewater treatment process. Chemical Engineering Journal, 2015, 279, 207-219.	12.7	12
15	Fuzzy Control and Model Predictive Control Configurations for Effluent Violations Removal in Wastewater Treatment Plants. Industrial & Engineering Chemistry Research, 2015, 54, 2763-2775.	3.7	53
16	Applying variable dissolved oxygen set point in a two level hierarchical control structure to a wastewater treatment process. Journal of Process Control, 2015, 28, 40-55.	3.3	109
17	PID control in terms of robustness/performance and servo/regulator trade-offs: A unifying approach to balanced autotuning. Journal of Process Control, 2013, 23, 527-542.	3.3	82
18	IMC-like analytical HÃ design with S/SP mixed sensitivity consideration: Utility in PID tuning guidance. Journal of Process Control, 2011, 21, 976-985.	3.3	32

#	ARTICLE	IF	CITATIONS
19	On the model matching approach to PID design: Analytical perspective for robust Servo/Regulator tradeoff tuning. Journal of Process Control, 2010, 20, 596-608.	3.3	36
20	Unified Servo/Regulator design for robust PID tuning. , 2010, , .		1
21	Simple Analytical min~max Model Matching Approach to Robust Proportional-Integrative-Derivative Tuning with Smooth Set-Point Response. Industrial & Engineering Chemistry Research, 2010, 49, 690-700.	3.7	14
22	Controller parameters dependence on model information through dimensional analysis. , 2009, , .		7
23	Analytical H _∞ design for a Smith-type inverse-response compensator. , 2009, , .		5
24	General Smith Predictors from an Observer-Controller perspective. , 2009, , .		5
25	A 2DOF H _∞ robust tracking design for a special type of observed state feedback controllers. , 2008, , .		6
26	An undergraduate laboratory course on fuzzy controller implementation in FPGAs. , 2007, , .		0
27	Coprime factorization based strong stabilizing controller design. , 2007, , .		0
28	Control configuration for robustness enhancement. , 2001, , .		0