CÃ©dric Damour

List of Publications by Year
in descending order

18 papers	402 citations	840776 11 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	382 citing authors

#	Article	IF	Citations
1	Fault Tolerant Control Strategy applied to PEMFC water management. International Journal of Hydrogen Energy, 2015, 40, 10636-10646.	7.1	65
2	Polymer electrolyte membrane fuel cell fault diagnosis based on empirical mode decomposition. Journal of Power Sources, 2015, 299, 596-603.	7.8	55
3	Nonlinear predictive control based on artificial neural network model for industrial crystallization. Journal of Food Engineering, 2010, 99, 225-231.	5.2	42
4	NMPC of an industrial crystallization process using model-based observers. Journal of Industrial and Engineering Chemistry, 2010, 16, 708-716.	5.8	39
5	Passive Fault Tolerant Control of PEMFC air feeding system. International Journal of Hydrogen Energy, 2016, 41, 15615-15621.	7.1	34
6	A novel non-linear model-based control strategy to improve PEMFC water management â€“ The flatness-based approach. International Journal of Hydrogen Energy, 2015, 40, 2371-2376.	7.1	31
7	Multivariable linearizing control of an industrial sugar crystallization process. Journal of Process Control, 2011, 21, 46-54.	3.3	21
8	Soft-sensor for industrial sugar crystallization: On-line mass of crystals, concentration and purity measurement. Control Engineering Practice, 2010, 18, 839-844.	5.5	18
9	A review of adaptive neural control applied to proton exchange membrane fuel cell systems. Annual Reviews in Control, 2019, 47, 133-154.	7.9	17
10	Flux prediction using artificial neural network (ANN) for the upper part of glycolysis. PLoS ONE, 2019, 14, e0216178.	2.5	14
11	A Machine Learning Approach for Efficient Selection of Enzyme Concentrations and Its Application for Flux Optimization. Catalysts, 2020, 10, 291.	3.5	13
12	Multistage power and energy management strategy for hybrid microgrid with photovoltaic production and hydrogen storage. Applied Energy, 2022, 323, 119549.	10.1	13
13	Adaptive neural control of PEMFC system based on data-driven and reinforcement learning approaches. Control Engineering Practice, 2022, 120, 105022.	5.5	12
14	Identification of flux checkpoints in a metabolic pathway through white-box, grey-box and black-box modeling approaches. Scientific Reports, 2020, 10, 13446.	3.3	11
15	Power Management of a Hybrid Micro-Grid with Photovoltaic Production and Hydrogen Storage. Energies, 2021, 14, 1628.	3.1	11
16	A Non-Intrusive Signal-Based Fault Diagnosis Method for Proton Exchange Membrane Water Electrolyzer Using Empirical Mode Decomposition. Energies, 2021, 14, 4458.	3.1	4
17	Model Predictive Control for Micro Grid stabilisation in case of loss of units. , 2019, , .		1
18	PV Fault Diagnosis Method Based on Time Series Electrical Signal Analysis. , 0, , .		1