

# CÃ©dric Damour

## List of Publications by Year in descending order

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18  
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times ranked

382  
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#	ARTICLE	IF	CITATIONS
1	Adaptive neural control of PEMFC system based on data-driven and reinforcement learning approaches. <i>Control Engineering Practice</i> , 2022, 120, 105022.	5.5	12
2	Multistage power and energy management strategy for hybrid microgrid with photovoltaic production and hydrogen storage. <i>Applied Energy</i> , 2022, 323, 119549.	10.1	13
3	Power Management of a Hybrid Micro-Grid with Photovoltaic Production and Hydrogen Storage. <i>Energies</i> , 2021, 14, 1628.	3.1	11
4	A Non-Intrusive Signal-Based Fault Diagnosis Method for Proton Exchange Membrane Water Electrolyzer Using Empirical Mode Decomposition. <i>Energies</i> , 2021, 14, 4458.	3.1	4
5	Identification of flux checkpoints in a metabolic pathway through white-box, grey-box and black-box modeling approaches. <i>Scientific Reports</i> , 2020, 10, 13446.	3.3	11
6	A Machine Learning Approach for Efficient Selection of Enzyme Concentrations and Its Application for Flux Optimization. <i>Catalysts</i> , 2020, 10, 291.	3.5	13
7	Flux prediction using artificial neural network (ANN) for the upper part of glycolysis. <i>PLoS ONE</i> , 2019, 14, e0216178.	2.5	14
8	A review of adaptive neural control applied to proton exchange membrane fuel cell systems. <i>Annual Reviews in Control</i> , 2019, 47, 133-154.	7.9	17
9	Model Predictive Control for Micro Grid stabilisation in case of loss of units. , 2019, , .		1
10	Passive Fault Tolerant Control of PEMFC air feeding system. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 15615-15621.	7.1	34
11	A novel non-linear model-based control strategy to improve PEMFC water management â€“ The flatness-based approach. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2371-2376.	7.1	31
12	Fault Tolerant Control Strategy applied to PEMFC water management. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10636-10646.	7.1	65
13	Polymer electrolyte membrane fuel cell fault diagnosis based on empirical mode decomposition. <i>Journal of Power Sources</i> , 2015, 299, 596-603.	7.8	55
14	Multivariable linearizing control of an industrial sugar crystallization process. <i>Journal of Process Control</i> , 2011, 21, 46-54.	3.3	21
15	Nonlinear predictive control based on artificial neural network model for industrial crystallization. <i>Journal of Food Engineering</i> , 2010, 99, 225-231.	5.2	42
16	NMPC of an industrial crystallization process using model-based observers. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 708-716.	5.8	39
17	Soft-sensor for industrial sugar crystallization: On-line mass of crystals, concentration and purity measurement. <i>Control Engineering Practice</i> , 2010, 18, 839-844.	5.5	18
18	PV Fault Diagnosis Method Based on Time Series Electrical Signal Analysis. , 0, , .		1