

Rafael Gouriveau

List of Publications by Year in descending order

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57
papers

3,247
citations

257101

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58
all docs

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docs citations

58
times ranked

2101
citing authors

#	ARTICLE	IF	CITATIONS
1	Proton exchange membrane fuel cell system prognostics and decision-making: Current status and perspectives. <i>Renewable Energy</i> , 2021, 179, 2277-2294.	4.3	38
2	Review on health-conscious energy management strategies for fuel cell hybrid electric vehicles: Degradation models and strategies. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6844-6861.	3.8	178
3	Tool wear monitoring and prognostics challenges: a comparison of connectionist methods toward an adaptive ensemble model. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 1873-1890.	4.4	77
4	Developing a Health-Conscious Energy Management Strategy Based on Prognostics for a Battery/Fuel Cell Hybrid Electric Vehicle. , 2018, , .		6
5	ANOVA method applied to proton exchange membrane fuel cell ageing forecasting using an echo state network. <i>Mathematics and Computers in Simulation</i> , 2017, 131, 283-294.	2.4	54
6	State of the art and taxonomy of prognostics approaches, trends of prognostics applications and open issues towards maturity at different technology readiness levels. <i>Mechanical Systems and Signal Processing</i> , 2017, 94, 214-236.	4.4	144
7	Proton exchange membrane fuel cell ageing forecasting algorithm based on Echo State Network. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1472-1480.	3.8	104
8	Long-term tests duration reduction for PEMFC \dot{W} -CHP application. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1527-1533.	3.8	21
9	Towards the Energy Management of a Fuel Cell/Battery Vehicle Considering Degradation. , 2017, , .		2
10	Remaining Useful Life Estimation for PEMFC in Dynamic Operating Conditions. , 2016, , .		15
11	Combined predictions for prognostics and predictive control of transportation PEMFC**The authors would like to thank the ANR project PROPICE (ANR-12-PRGE-0001) and the Labex ACTION project (contract "ANR-11-LABX-01-01") both funded by the French National Re-search Agency for their support.. <i>IFAC-PapersOnLine</i> , 2016, 49, 244-249.	0.5	7
12	Estimating the end-of-life of PEM fuel cells: Guidelines and metrics. <i>Applied Energy</i> , 2016, 177, 87-97.	5.1	116
13	PEM fuel cell prognostics under variable load: A data-driven ensemble with new incremental learning. , 2016, , .		13
14	Prognostics of Proton Exchange Membrane Fuel Cells stack using an ensemble of constraints based connectionist networks. <i>Journal of Power Sources</i> , 2016, 324, 745-757.	4.0	97
15	Joint Particle Filters Prognostics for Proton Exchange Membrane Fuel Cell Power Prediction at Constant Current Solicitation. <i>IEEE Transactions on Reliability</i> , 2016, 65, 336-349.	3.5	73
16	Particle filter-based prognostics: Review, discussion and perspectives. <i>Mechanical Systems and Signal Processing</i> , 2016, 72-73, 2-31.	4.4	230
17	Degradations analysis and aging modeling for health assessment and prognostics of PEMFC. <i>Reliability Engineering and System Safety</i> , 2016, 148, 78-95.	5.1	204
18	Prognostics of PEM fuel cells under a combined heat and power profile. <i>IFAC-PapersOnLine</i> , 2015, 48, 26-31.	0.5	16

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19	Proton exchange membrane fuel cell behavioral model suitable for prognostics. International Journal of Hydrogen Energy, 2015, 40, 8384-8397.	3.8	88
20	Parametric sensitivity analysis of a PEMFC physics-based model developed for prognostics. , 2015, , .		3
21	PEMFC aging modeling for prognostics and health assessment â...âThe authors would like to thank the ANR project PROPICE (ANR-12-PRGE-0001) and the Labex ACTION project (contract âANR-11-LABX-01-01â) both funded by the French National Research Agency for their support.. IFAC-PapersOnLine, 2015, 48, 790-795.	0.5	19
22	Enabling Health Monitoring Approach Based on Vibration Data for Accurate Prognostics. IEEE Transactions on Industrial Electronics, 2015, 62, 647-656.	5.2	257
23	A New Multivariate Approach for Prognostics Based on Extreme Learning Machine and Fuzzy Clustering. IEEE Transactions on Cybernetics, 2015, 45, 2626-2639.	6.2	142
24	Accelerated stress test procedures for PEM fuel cells under actual load constraints: State-of-art and proposals. International Journal of Hydrogen Energy, 2015, 40, 12489-12505.	3.8	77
25	Improving accuracy of long-term prognostics of PEMFC stack to estimate remaining useful life. , 2015, , .		27
26	Prognostics of Proton Exchange Membrane Fuel Cell stack in a particle filtering framework including characterization disturbances and voltage recovery. , 2014, , .		21
27	Static and Dynamic Modeling of a PEMFC for Prognostics Purpose. , 2014, , .		8
28	Fuel Cells Remaining Useful Lifetime Forecasting Using Echo State Network. , 2014, , .		27
29	SW-ELM: A summation wavelet extreme learning machine algorithm with a priori parameter initialization. Neurocomputing, 2014, 123, 299-307.	3.5	58
30	Prognostics of PEM fuel cell in a particle filtering framework. International Journal of Hydrogen Energy, 2014, 39, 481-494.	3.8	215
31	Remaining Useful Life Estimation by Classification of Predictions Based on a Neuro-Fuzzy System and Theory of Belief Functions. IEEE Transactions on Reliability, 2014, 63, 555-566.	3.5	49
32	Machine health condition prediction via online dynamic fuzzy neural networks. Engineering Applications of Artificial Intelligence, 2014, 35, 105-113.	4.3	67
33	Proton exchange membrane fuel cell degradation prediction based on Adaptive Neuro-Fuzzy Inference Systems. International Journal of Hydrogen Energy, 2014, 39, 11128-11144.	3.8	206
34	Proton Exchange Membrane Fuel Cell Operation and Degradation in ShortâCircuit. Fuel Cells, 2014, 14, 894-905.	1.5	28
35	Prognostics and Health Management of PEMFC â State of the art and remaining challenges. International Journal of Hydrogen Energy, 2013, 38, 15307-15317.	3.8	175
36	A feature extraction procedure based on trigonometric functions and cumulative descriptors to enhance prognostics modeling. , 2013, , .		35

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37	Fuel Cells prognostics using echo state network. , 2013, , .		53
38	Novel failure prognostics approach with dynamic thresholds for machine degradation. , 2013, , .		34
39	Bearing Condition Prediction Using Enhanced Online Learning Fuzzy Neural Networks. , 2013, , 175-182.		7
40	Features Selection Procedure for Prognostics: An Approach Based on Predictability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 25-30.	0.4	15
41	Connexionist-Systems-Based Long Term Prediction Approaches for Prognostics. IEEE Transactions on Reliability, 2012, 61, 909-920.	3.5	50
42	Robust, reliable and applicable tool wear monitoring and prognostic: Approach based on an improved-extreme learning machine. , 2012, , .		19
43	Defining and implementing a distributed and reconfigurable information system for prognostics. , 2011, , .		1
44	Long term prediction approaches based on connexionist systems - A study for prognostics application. , 2011, , .		4
45	Reducing arbitrary choices in model building for prognostics: An approach by applying parsimony principle on an evolving neuro-fuzzy system. Microelectronics Reliability, 2011, 51, 310-320.	0.9	21
46	Towards Accurate and Reproducible Predictions for Prognostic: an Approach Combining a RRBF Network and an AutoRegressive Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 140-145.	0.4	18
47	Forecasting of Renewable Energy Balance on Medium Term. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 495-500.	0.4	2
48	Defining and applying prediction performance metrics on a recurrent NARX time series model. Neurocomputing, 2010, 73, 2506-2521.	3.5	51
49	Medium term load forecasting using ANFIS predictor. , 2010, , .		10
50	An exTS based neuro-fuzzy algorithm for prognostics and tool condition monitoring. , 2010, , .		6
51	A neuro-fuzzy self built system for prognostics: a way to ensure good prediction accuracy by balancing complexity and generalization. , 2010, , .		4
52	Prognostics in switching systems: Evidential markovian classification of real-time neuro-fuzzy predictions. , 2010, , .		30
53	A Procedure for Failure Prognostic in Dynamic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1597-1602.	0.4	4
54	Error estimation of a neuro-fuzzy predictor for prognostic purpose. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 131-136.	0.4	4

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55	Towards a Neuro-Fuzzy System for Time Series Forecasting in Maintenance Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12855-12860.	0.4	4
56	Risk management " dependability tools and case-based reasoning integration using the object formalism. Computers in Industry, 2004, 55, 255-267.	5.7	12
57	Description et "valuation de risques en conduite de systÃmes industriels. Journal Europeen Des Systemes Automatises, 2003, 37, 661-684.	0.3	1