Raed Kouta

List of Publications by Year
in descending order

24 papers	380 citations	933447 10 h-index	752698 20 g-index
24 all docs	24 docs citations	24 times ranked	402 citing authors

#	Article	IF	Citations
1	Fault tree analysis for PEM fuel cell degradation process modelling. International Journal of Hydrogen Energy, 2011, 36, 12393-12405.	7.1	94
2	Optimization of maintenance policy using the proportional hazard model. Reliability Engineering and System Safety, 2009, 94, 44-52.	8.9	56
3	Analysis of PEM fuel cell experimental data using principal component analysis and multi linear regression. International Journal of Hydrogen Energy, 2010, 35, 4582-4591.	7.1	42
4	Fault tree analysis of proton exchange membrane fuel cell system safety. International Journal of Hydrogen Energy, 2015, 40, 8248-8260.	7.1	35
5	Effects of temperature uncertainty on the performance of a degrading PEM fuel cell model. Journal of Power Sources, 2009, 194, 313-327.	7.8	25
6	A PEMFC multi-physical model to evaluate the consequences of parameter uncertainty on the fuel cell performance. International Journal of Hydrogen Energy, 2015, 40, 3968-3980.	7.1	20
7	Parameterâ€™s setting of the ant colony algorithm applied in preventive maintenance optimization. Journal of Intelligent Manufacturing, 2007, 18, 663-677.	7.3	16
8	Influence of local porosity and local permeability on the performances of a polymer electrolyte membrane fuel cell. Journal of Power Sources, 2010, 195, 5258-5268.	7.8	16
9	Numerical modeling of the mechanical behavior of proton exchange membrane fuel cell performance: Design of experiment study and optimization. International Journal of Hydrogen Energy, 2020, 45, 25210-25226.	7.1	16
10	Power Generation and Cogeneration Management Algorithm with Renewable Energy Integration. Energy Procedia, 2015, 74, 1394-1401.	1.8	14
11	A framework for the probabilistic analysis of PEMFC performance based on multi-physical modelling, stochastic method, and design of numerical experiments. International Journal of Hydrogen Energy, 2017, 42, 459-477.	7.1	8
12	Study of the effect of mechanical uncertainties parameters on performance of PEMFC by coupling a 3D numerical multiphysics model and design of experiment. International Journal of Hydrogen Energy, 2022, 47, 23772-23786.	7.1	8
13	Correlation Procedures for Fatigue Life Determination. Journal of Mechanical Design, Transactions of the ASME, 1999, 121, 289-296.	2.9	5
14	Contribution to the Models of Performance of Cogeneration Systems Integration. Energy Procedia, 2015, 74, 1580-1588.	1.8	4
15	A study of users' acceptance and satisfaction of emergency call service. International Journal of Communication Systems, 2016, 29, 2279-2291.	2.5	4
16	Definition of correlations between automotive test environments through mechanical fatigue damage approaches. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2006, 220, 1691-1709.	1.9	3
17	Cogeneration systems for industrial sector: An optimal power. , 2014, , .		3
18	Best Suitable Cogeneration Power for Factories from Multi-Objective Data Analysis. Cybernetics and Information Technologies, 2015, 14, 109-120.	1.1	3

#	Article	IF	Citations
19	Sensitivity analysis of the uncertainties of the mechanical design parameters: Stochastic study performed via a numerical design of experiment. International Journal of Hydrogen Energy, 2021, 46, 14659-14673.	7.1	3
20	Design of welded structures working under random loading. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2002, 216, 191-201.	0.8	2
21	Decision making for best cogeneration power integration into a grid. AIP Conference Proceedings, 2016, , .	0.4	2
22	Influence of local porosity, local permeability, and contact resistance between the gas diffusion layer and the bipolar plate, on the performances of a polymer electrolyte membrane fuel cell. , 2012, , .		1
23	Modeling the effects of mechanical solicitations and their influence on the power production of a polymer electrolyte membrane fuel cell. , 2012, , .		0
24	Mechanical System Lifetime. , 2015, , 3-83.		0