Isis Didier Lins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4354336/publications.pdf

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35	797	706676	563245
papers	citations	14	28
		h-index	g-index

36	36	36	787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bayesian prior distribution based on generic data and expertsâ€™ opinion: A case study in the O&G industry. Journal of Petroleum Science and Engineering, 2022, 210, 109891.	2.1	5
2	Identification of risk features using text mining and BERT-based models: Application to an oil refinery. Chemical Engineering Research and Design, 2022, 158, 382-399.	2.7	19
3	SerumCovid database: Description and preliminary analysis of serological COVID-19 diagnosis in healthcare workers. PLoS ONE, 2022, 17, e0265016.	1.1	2
4	Automatic drowsiness detection for safety-critical operations using ensemble models and EEG signals. Chemical Engineering Research and Design, 2022, 164, 566-581.	2.7	15
5	Seroprevalence of SARS-CoV-2 on health professionals via Bayesian estimation: a Brazilian case study before and after vaccines. Acta Tropica, 2022, 233, 106551.	0.9	1
6	Convolutional neural network model based on radiological images to support COVID-19 diagnosis: Evaluating database biases. PLoS ONE, 2021, 16, e0247839.	1.1	22
7	Reliability data analysis of systems in the wear-out phase using a (corrected) q-Exponential likelihood. Reliability Engineering and System Safety, 2020, 197, 106787.	5.1	3
8	A hybrid multi-objective genetic algorithm for scheduling heterogeneous workover rigs on onshore oil fields. Journal of Petroleum Science and Engineering, 2020, 195, 107935.	2.1	6
9	A multi-objective approach for solving a replacement policy problem for equipment subject to imperfect repairs. Applied Mathematical Modelling, 2020, 86, 1-19.	2.2	5
10	Optimization of Investments in the Resilience of Water Distribution Systems Subject to Interruptions. Water Resources Management, 2020, 34, 929-954.	1.9	2
11	Real-time classification for autonomous drowsiness detection using eye aspect ratio. Expert Systems With Applications, 2020, 158, 113505.	4.4	82
12	Application of data-based prediction methods in newsvendor problems subject to purchase price uncertainty. , 2020, , .		0
13	Particle swarm-optimized support vector machines and pre-processing techniques for remaining useful life estimation of bearings. Eksploatacja I Niezawodnosc, 2019, 21, 610-618.	1.1	22
14	Virtual Reality to Improve the Emergency Team Preparation in an Oil Refinery. , 2019, , .		0
15	A Simulation-Based Model for Series-parallel Priority Queuing Systems. , 2019, , .		0
16	A Principal-agent Approach for Designing Maintenance Service Contracts. , 2019, , .		0
17	Convolutional Neural Network for remaining useful life prediction based on vibration signal. , 2019, , .		0
18	Combining Generalized Renewal Processes with Non-Extensive Entropy-Based q-Distributions for Reliability Applications. Entropy, 2018, 20, 223.	1.1	4

#	Article	IF	Citations
19	Extended warranty of medical equipment subject to imperfect repairs: an approach based on generalized renewal process and Stackelberg game. Eksploatacja I Niezawodnosc, 2018, 20, 567-578.	1.1	3
20	Stressâ€Strength Reliability Analysis with Extreme Values based on qâ€Exponential Distribution. Quality and Reliability Engineering International, 2017, 33, 457-477.	1.4	13
21	Analysis of extended warranties for medical equipment: A Stackelberg game model using priority queues. Reliability Engineering and System Safety, 2017, 168, 338-354.	5.1	16
22	On the q-Weibull distribution for reliability applications: An adaptive hybrid artificial bee colony algorithm for parameter estimation. Reliability Engineering and System Safety, 2017, 158, 93-105.	5.1	25
23	Embedding resilience in the design of the electricity supply for industrial clients. PLoS ONE, 2017, 12, e0188875.	1.1	7
24	Remaining Useful Life Estimation by Empirical Mode Decomposition and Support Vector Machine. IEEE Latin America Transactions, 2016, 14, 4603-4610.	1.2	21
25	Estimation of expected number of accidents and workforce unavailability through Bayesian population variability analysis and Markov-based model. Reliability Engineering and System Safety, 2016, 150, 136-146.	5.1	15
26	Variable selection and uncertainty analysis of scale growth rate under pre-salt oil wells conditions using support vector regression. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 319-326.	0.6	2
27	Computing confidence and prediction intervals of industrial equipment degradation by bootstrapped support vector regression. Reliability Engineering and System Safety, 2015, 137, 120-128.	5.1	31
28	A Multi-Objective Genetic Algorithm for determining efficient Risk-Based Inspection programs. Reliability Engineering and System Safety, 2015, 133, 253-265.	5.1	29
29	DEFENSE-ATTACK INTERACTION OVER OPTIMALLY DESIGNED DEFENSE SYSTEMS VIA GAMES AND RELIABILITY. Pesquisa Operacional, 2014, 34, 215-235.	0.1	0
30	Prediction of sea surface temperature in the tropical Atlantic by support vector machines. Computational Statistics and Data Analysis, 2013, 61, 187-198.	0.7	78
31	Selection of security system design via games of imperfect information and multi-objective genetic algorithm. Reliability Engineering and System Safety, 2013, 112, 59-66.	5.1	9
32	A particle swarmâ€optimized support vector machine for reliability prediction. Quality and Reliability Engineering International, 2012, 28, 141-158.	1.4	62
33	Failure and reliability prediction by support vector machines regression of time series data. Reliability Engineering and System Safety, 2011, 96, 1527-1534.	5.1	190
34	Redundancy allocation problems considering systems with imperfect repairs using multi-objective genetic algorithms and discrete event simulation. Simulation Modelling Practice and Theory, 2011, 19, 362-381.	2.2	79
35	Multiobjective optimization of availability and cost in repairable systems design via genetic algorithms and discrete event simulation. Pesquisa Operacional, 2009, 29, 43-66.	0.1	27